PCN	DOCUMENT RELEASE AUTHORIZATION KENNEDY SPACE CENTER, NASA	PAGE 1 OF 4
99000.16		REV/DATE
ESR N/A		
DIR N/A	DRA NO. A-DRA01-1581	SIGNATURE
EFF	TITLE: Design: Deconstruct VAB Towers Office Space, K6-0848	
EQ. LOC. K6-0848		VEN CODE
SDL N/A		CONTRACT NNK12CA20T / NNK12CA62T

DOCUMENTS

#	PREF	DOCUMENT NUMBER	ISSUE	SIZE	SHTS	B/L NO.	SS	MODEL NUMBER	WUC
1	DR	79K39404	NEW	F	87	391.00	VQ	K61-0799	VQFSSV0000
						394.00	VA	K61-0810	VAFSRV0000
						495.50	20	K60-0521	20FSYV0000
						0.25.00	20	S72-0636	62FGNVF000
						025.00	20	S72-0636-04	62FGNVN000
						025.00	20	S72-0636-05	62FGNVP000
						353.40	20	K61-4320	20FACVU000
						355.00	20	K60-0519	20FFAV0000
						386.00	VQ	K60-0515-D	VQFHVVVD00
						387.00	VQ	K61-0779	VQFWPV0000
						094.00	20	S72-1124	20FAIDA000
						025.00	20	S72-0636-03	62FGNVJ000
2	SW	79K39404	NEW	M	1	**	**	**	**
3	DR	79K39405	NEW	F	203	353.40	20	K61-4320	20FACVU000
						355.00	20	K60-0519	20FFAV0000
						386.00	VR	K60-0515-E	VRFHVVVE00
						387.00	VR	K61-0780	VRFWPV0000
						391.00	VR	K61-0800	VRFSSV0000
						394.00	VA	K61-0810	VAFSRV0000
						945.50	20	K60-0521	20FSYV0000
						025.00	20	S72-0636	62FGNVF000

TECHNICAL REMARKS

Prepared by Nicola Staton, Jones Edmunds, 269-2950

79K39403 – Specifications for Packages 1 and 2. This DRA covers Drawings for Package 1 – Towers D, E, and F – only as detailed below. Package 2 Drawings for Towers A, B, and C to be detailed under a separate DRA.

Package 1: 79K39404 – Tower D, 79K39405 – Tower E, and 79K39423 – Tower F

APPROVALS

TECHNICAL CONTACT	MAIL CODE	DATE	R&QA	MAIL CODE	DATE
Ismael Otero, 861.3726	TA-B3A	3/12/13			
TECHNICAL Wallace Schroeder, 867.1457	TA-B3A	3/12/13	OTHER B. H. Delinde for BARRY BRADEN	SA-E3	3-13-13
SPACE AND WEIGHT			JOINT RELEASE		
PROCUREMENT PKG.			RELEASE Sonia Miller, 867.0580	TA-B3A	3/12/13

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99000.16	**DOCUMENT RELEASE AUTHORIZATION KENNEDY SPACE CENTER, NASA**	PAGE 2 OF 4
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DOCUMENTS

I#	PREF	DOCUMENT NUMBER	ISSUE	SIZE	SHTS	B/L NO.	SS	MODEL NUMBER	WUC
		79K39405 (continued)							
						025.00	20	S72-0636-01	62FGNVG000
						025.00	20	S72-0636-05	62FGNVP000
						026.00	33	K61-5571	33FHEV6000
						026.00	20	S72-0680-04	62FHEFRP00
						094.00	20	S72-1124	20FAIDA000
						025.00	20	S72-0636-03	62FGNVJ000
4	SW	79K39405	NEW	M	1	**	**	**	**
5	DR	79K39423	NEW	F	38	353.40	20	K61-4320	20FACVU000
						355.00	20	K60-0519	20FFAV0000
						386.00	VS	K60-0515-F	VSFHVVVF00
						387.00	VS	K61-0781	VSFWPV0000
						391.00	VS	K61-0801	VSFSSV0000
						394.00	VA	K61-0810	VAFSRV0000
						495.50	20	K60-0521	20FSYV0000
						025.00	20	S72-0636	62FGNVF000
						025.00	20	S72-0636-02	62FGNVH000
						025.00	20	S72-0636-05	62FGNVP000
						026.00	20	S72-0680-02	52FHEV4000
						094.00	20	S72-1124	20FAIDA000
						025.00		S72-0636-03	62FGNVJ000
6	SW	79K39423	NEW	M	1	**	**	**	**
7	SP	79K39403	NEW			353.40	20	K61-4320	20FACVU000
		1-270		A	270	355.00	20	K60-0519	20FFAV0000
		271-486		B	216	386.00	VN	K60-0515-A	VNFHVVVA00
						386.00	VO	K60-0515-B	VOFHVVVB00
						386.00	VP	K60-0515-C	VPFHVVVC00
						386.00	VQ	K60-0515-D	VQFHVVVD00
						386.00	VR	K60-0515-E	VRFHVVVE00
						386.00	VS	K60-0515-F	VSFHVVVF00
						386.00	VA	K60-0515-M	VAFHVVVM00
						387.00	VA	K61-0774	VAFWPV0000
						387.00	VX	K61-0775	VXFWPV0000
						387.00	VN	K61-0776	VNFWPV0000
						387.00	VO	K61-0777	VOFWPV0000
						387.00	VP	K61-0778	VPFWPV0000
						387.00	VQ	K61-0779	VQFWPV0000
						387.00	VR	K61-0780	VRFWPV0000
						387.00	VS	K61-0781	VSFWPV0000
						391.00	VN	K61-0796	VNFSSV0000
						391.00	VO	K61-0797	VOFSSV0000
						391.00	VP	K61-0798	VPFSSV0000
						391.00	VQ	K61-0799	VQFSSV0000
						391.00	VR	K61-0800	VRFSSV0000
						391.00	VS	K61-0801	VSFSSV0000
						394.00	VA	K61-0810	VAFSRV0000
						495.00	20	K60-0521	20FSYV0000
						025.00	20	S72-0636	62FGNVF000
						025.00	20	S72-0636-01	62FGNVG000
						025.00	20	S72-0636-02	62FGNVH000

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	DRA NO. A-DRA01-1581	

DOCUMENTS

I#	PREF	DOCUMENT NUMBER	ISSUE	SIZE	SHTS	B/L NO.	SS	MODEL NUMBER	WUC
		79K39403 (continued)							
						025.00	20	S72-0636-04	62FGNVN000
						025.00	20	S72-0636-05	62FGNVP000
						026.00	33	K61-5571	33FHEV6000
						026.00	20	S72-0680-02	52FHEV4000
						026.00	20	S72-0680-04	62FHEFRP00
						094.00	20	S72-1124	20FAIDA000
						025.00		S72-0636-03	62FGNVJ000
8	~~9~~	SW	79K39403	NEW	M	1	**	**	**	**
9	~~5~~	DM	KSC-TA-12404	NEW			**	**	**	**
			Cover, 1-278, 347-572, 579-580, 611-808, 811-848		A	743				
			279-346, 573-578, 581-610, 809-810,		B	106				
	10	SW	KSC-TA-12404	NEW	M	1	**	**	**	**

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DRA	TA-B3A	J. Junod	DRA	TA-A5B	C. Rosczypala
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DRA	ISC-4100	R. Mizyed	DRA	ISC-4300	G. Rottler
DRA	GP-G	P. Becker	DRA	ISC-2120	W. Bray
DRA	IMCS-250	L. Wages	1P/1CD	ESC-043	M. SORTMAN
DRA	SAIC-LX-1	J. Ausanka			
DRA	TA-B4A	J. Rymkos			
DRA	IMCS-141	S. Lashomb			
DRA	IT-F	E. Bertot			
DRA	TA-B3B	N. Colvin			
DRA	IHA-200	N. Aleman			
DRA	TA-B3A	W. Glover			
2P/1CD	ISC-4500	R. Trapp			
3CD	ISC-1220	C. Welch			
DRA	ISC-4100	S. Warren			
DRA	QNA-560	T. Brophy	1CD	Jones Edmunds	Mark Hadlock Jones Edmunds 3910 S. Washington Ave Suite 210 Titusville, FL 32780
1P	TA-B3B	J. Nelson			
DRA	TA-B4A	S. Luciano			
DRA	TA-B3B	S. Hunt			

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APPLICATION		REVISION HISTORY					
NEXT ASSY	USED ON	PART NO.	ZONE	REV	DESCRIPTION	DATE	APPROVAL

TECHNICAL SPECIFICATIONS FOR DRAWINGS 79K39404, 79K39405, 79K39423, 79K39424, 79K39425, 79K39426, and 79K39427

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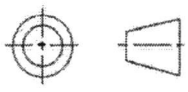
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES

THIRD ANGLE PROJECTION



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SOFTWARE	ORIGINAL DATE OF DRAWING (YY/MM/DD)	
FILENAME	DRAFTSMAN	CHECKER
MATERIAL	ENGINEER	CHECKER
HEAT TREATMENT	ENGINEER	STRESS
FINAL PROTECTIVE FINISH	ENGINEER	
	SUBMITTED	3/12/13
	APPROVED	3/12/13

JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

DECONSTRUCT VAB OFFICE SPACE, K6-0848
PCN: 99000.16

SIZE	CAGE CODE	DWG NO	REV
A		79K39403	
SCALE		UNIT WEIGHT	SHEET 1 OF 486

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Architect/Engineer of Record Certification

Project Title:	DECONSTRUCT VAB TOWERS OFFICE SPACE, K6-0848 - PACKAGES 1 AND 2
Project Control Number:	99000.16
Project Drawing Number:	79K39404, 7939405, 79K39423, 79K39242, 79K39425, 79K39426, and 79K39427
Project Specification Number:	79K39403
Project Calculations/Data Manual Number:	KSC-TA-12404

Discipline	Name	ST	License No.	Signature
Architectural				
Civil	Mark D Hadlock	FL	56871	
Environmental	Kim E. Rivera	FL	65681	
Structural	Wenjun Li	FL	56104	
Mechanical	M. Adam Judge	FL	73044	
Electrical	James J. Tatone	FL	57609	
Fire Protection	Bruce D. Stankovitch	FL	63904	

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1.2.4 Location
1.3 CONTRACT DRAWINGS
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-- End of Section Table of Contents --

SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

1.1 SUBMITTALS

Not used.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

1.2.1 Project Description

The work consists of providing the labor, eqiupment, and materials to deconstruct and demolish abandoned or unused office space within the Vehicle Assembly Building (VAB) Towers and the Low Bays and associated appurtenances in accordance with the contract documents.

1.2.2 Base Bid Project Description

The work consists of providing the labor, equipment, and materials to:

Deconstruct the unoccupied or abandoned office spaces in Towers D, E, and F in the VAB (K6-0848).

Deconstruct all existing features on each floor identified for deconstruction, unless an existing feature is identified in the drawings to remain.

Deconstruct flooring to a clean and bare concrete slab, exterior walls (excluding CMU walls), including transite panels and drywall, interior walls, architectural features, electrical power systems, communication systems, lighting systems, HVAC systems, fire-protection systems, chilled and hot water systems, plumbing systems, high-pressure gas systems, drop ceilings, raised floors, and hangers from the concrete slab/ceiling.

Remove and abate asbestos, lead-based paint, PCB-containing materials, lighting ballasts, and lamps containing PCBs and mercury.

Repair damage and holes in concrete slab and ceiling as a result of deconstruction.

Provide terminations of electrical, mechanical, plumbing, and fire-protection systems and maintain systems serving other floors and areas as operational.

Install new construction for electrical panels, power distribution, lighting, communications, fire alarm, and guard rail on deconstructed floors.

1.2.3 Option 1 Project Description

The work consists of providing the labor, equipment, and materials to:

Perform all work described in the paragraph entitled "Base Bid Project Description" with the exception that the exterior walls on Floors 2 through 6 in Towers D and E will be retained and not deconstructed. Retained walls containing ACM will be repaired to prevent exposure from damaged areas.

1.2.4 Location

The work shall be located in Towers D, E, and F of the VAB at Kennedy Space Center, as indicated on the drawings.

1.3 CONTRACT DRAWINGS

The following drawings accompany this specification and are a part thereof.

Deconstruct VAB Office Space, K6-0848 - Tower D
Drawing No. 79K39404
Sheets 1 through 87

Deconstruct VAB Office Space, K6-0848 - Tower E
Drawing No. 79K39405
Sheets 1 through 203

Deconstruct VAB Office Space, K6-0848 - Tower F
Drawing No. 79K39423
Sheets 1 through 38

1.4 EXISTING WORK

In addition to "FAR 52.236-9, Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements":

a. Remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain.

b. Repair or replace portions of existing work which have been altered during deconstruction or construction operations to match existing or adjoining work, as approved by the Contracting Officer. At the completion of operations, existing work shall be in a condition equal to or better than that which existed before new work started.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 33 00

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1.4.2 Designer of Record Approved/Government Conformance Review (DA/CR)
1.4.2.1 Deviations to the Accepted Design
1.4.2 2 Substitutions
1.4.3 Information Only
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PART 2 PRODUCTS

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-- End of Section Table of Contents --

SECTION 01 33 00

SUBMITTAL PROCEDURES

PART 1 GENERAL

1.1 SUMMARY

The Contracting Officer may request submittals in addition to those specified when deemed necessary to adequately describe the work covered in the respective sections.

Units of weights and measures used on all submittals are to be the same as those used in the contract drawings.

Each submittal is to be complete and in sufficient detail to allow ready determination of compliance with contract requirements.

Contractor's Quality Control (CQC) System Manager and the Designer of Record, if applicable, to check and approve all items prior to submittal and stamp, sign, and date indicating action taken. Proposed deviations from the contract requirements are to be clearly identified. Include within submittals items such as: Contractor's, manufacturer's, or fabricator's drawings; descriptive literature including (but not limited to) catalog cuts, diagrams, operating charts or curves; test reports; test cylinders; samples; O&M manuals (including parts list); certifications; warranties; and other such required submittals.

Submittals requiring Government approval are to be scheduled and made prior to the acquisition of the material or equipment covered thereby. Pick up and dispose of samples not incorporated into the work in accordance with manufacturer's Material Safety Data Sheets (MSDS) and in compliance with existing laws and regulations.

1.2 DEFINITIONS

1.2.1 Submittal Descriptions (SD)

Submittals requirements are specified in the technical sections. Submittals are identified by Submittal Description (SD) numbers and titles as follows:

SD-01 Preconstruction Submittals

Submittals which are required prior to start of construction (work) issuance of contract notice to proceed or commencing work on site or the start of the next major phase of the construction on a multi-phase contract, includes schedules, tabular list of data, or tabular list including location, features, or other pertinent information regarding products, materials, equipment, or components to be used in the work.

Certificates of insurance

Surety bonds

List of proposed Subcontractors

List of proposed products

Construction Progress Schedule

Network Analysis Schedule (NAS)

Submittal register

Schedule of prices

Health and safety plan

Work plan

Quality Control(QC) plan

Environmental protection plan

SD-02 Shop Drawings

Drawings, diagrams and schedules specifically prepared to illustrate some portion of the work.

Diagrams and instructions from a manufacturer or fabricator for use in producing the product and as aids to the Contractor for integrating the product or system into the project.

Drawings prepared by or for the Contractor to show how multiple systems and interdisciplinary work will be coordinated.

SD-03 Product Data

Catalog cuts, illustrations, schedules, diagrams, performance charts, instructions and brochures illustrating size, physical appearance and other characteristics of materials, systems or equipment for some portion of the work.

Samples of warranty language when the contract requires extended product warranties.

SD-04 Samples

Fabricated or unfabricated physical examples of materials, equipment or workmanship that illustrate functional and aesthetic characteristics of a material or product and establish standards by which the work can be judged.

Color samples from the manufacturer's standard line (or custom color samples if specified) to be used in selecting or approving colors for the project.

Field samples and mock-ups constructed on the project site establish standards by which the ensuring work can be judged. Includes assemblies or portions of assemblies which are to be incorporated into the project and those which will be removed at conclusion of the work.

SD-05 Design Data

Design calculations, mix designs, analyses or other data pertaining to a part of work.

Design submittals, design substantiation submittals and extensions of design submittals.

SD-06 Test Reports

Report signed by authorized official of testing laboratory that a material, product or system identical to the material, product or system to be provided has been tested in accord with specified requirements. (Testing must have been within three years of date of contract award for the project.)

Report which includes findings of a test required to be performed by the Contractor on an actual portion of the work or prototype prepared for the project before shipment to job site.

Report which includes finding of a test made at the job site or on sample taken from the job site, on portion of work during or after installation.

Investigation reports.

Daily logs and checklists.

Final acceptance test and operational test procedure.

SD-07 Certificates

Statements printed on the manufacturer's letterhead and signed by responsible officials of manufacturer of product, system or material attesting that product, system or material meets specification requirements. Must be dated after award of project contract and clearly name the project.

Document required of Contractor, or of a manufacturer, supplier, installer or Subcontractor through Contractor, the purpose of which is to further quality of orderly progression of a portion of the work by documenting procedures, acceptability of methods or personnel qualifications.

Confined space entry permits.

Text of posted operating instructions.

SD-08 Manufacturer's Instructions

Preprinted material describing installation of a product, system or material, including special notices and (MSDS)concerning impedances, hazards and safety precautions.

SD-10 Operation and Maintenance Data

Data that is furnished by the manufacturer, or the system provider, to the equipment operating and maintenance personnel, including manufacturer's help and product line documentation necessary to maintain and install equipment. This data is needed by operating and maintenance personnel for the safe and efficient operation, maintenance

and repair of the item.

This data is intended to be incorporated in an operations and maintenance manual or control system.

SD-11 Closeout Submittals

Documentation to record compliance with technical or administrative requirements or to establish an administrative mechanism.

Special requirements necessary to properly close out a construction contract. For example, Record Drawings and as-built drawings. Also, submittal requirements necessary to properly close out a major phase of construction on a multi-phase contract.

Interim "DD Form 1354" with cost breakout for all assets 30 days prior to facility turnover.

1.2.2 Approving Authority

Office or designated person authorized to approve submittal.

1.2.3 Work

As used in this section, on- and off-site construction required by contract documents, including labor necessary to produce submittals, except those SD-01 Pre-Construction Submittals noted above, construction, materials, products, equipment, and systems incorporated or to be incorporated in such construction.

1.3 SUBMITTALS

Not used.

1.4 SUBMITTAL CLASSIFICATION

Submittals are classified as follows:

1.4.1 Government Approved (G)

Government approval is required for extensions of design, critical materials, deviations, equipment whose compatibility with the entire system must be checked, and other items as designated by the Contracting Officer. Government approval is required for any deviations from the Solicitation or Accepted Proposal and other items as designated by the Contracting Officer. Within the terms of the Contract Clause entitled, "Specifications and Drawings for Construction," they are considered to be "shop drawings." Shop drawings not marked with a "G" are to be considered "For Record Only".

1.4.2 Designer of Record Approved/Government Conformance Review (DA/CR)

1.4.2.1 Deviations to the Accepted Design

Designer of Record approval and the Government's concurrence are required for any proposed deviation from the accepted design which still complies with the contract before the Contractor is authorized to proceed with material acquisition or installation. Within the terms of the Contract Clause entitled, "Specifications and Drawings for Construction", they are considered to be "shop drawings." If necessary to facilitate the project

schedule, the Contractor and the DOR may discuss a submittal proposing a deviation with the Contracting Officer's Representative prior to officially submitting it to the Government. However, the Government reserves the right to review the submittal before providing an opinion, if deemed necessary. In any case, the Government will not formally agree to or provide a preliminary opinion on any deviation without the DOR's approval or recommended approval. The Government reserves the right to non-concur with any deviation from the design, which may impact furniture, furnishings, equipment selections or operations decisions that were made, based on the reviewed and concurred design.

1.4.2.2 Substitutions

Unless prohibited or provided for otherwise elsewhere in the Contract, where the accepted contract proposal named products, systems, materials or equipment by manufacturer, brand name and/or by model number or other specific identification, and the Contractor desires to substitute manufacturer or model after award, submit a requested substitution for Government concurrence. Include substantiation, identifying information and the DOR's approval, as meeting the contract requirements and that it is equal in function, performance, quality and salient features to that in the accepted contract proposal. If the Contract otherwise prohibits substitutions of equal named products, systems, materials or equipment by manufacturer, brand name and/or by model number or other specific identification, the request is considered a "variation" to the contract. Variations are discussed below in paragraphs: "Designer of Record Approved/Government Approved" and "VARIATIONS"

1.4.3 Information Only

Submittals not requiring Government approval will be for information only.

1.5 PREPARATION

1.5.1 Identifying Submittals

When submittals are provided by a Subcontractor, the Prime Contractor is to prepare, review and stamp with Contractor's approval all specified submittals prior to submitting for Government approval.

Identify submittals, except sample installations and sample panels, with the following information permanently adhered to or noted on each separate component of each submittal and noted on transmittal form. Mark each copy of each submittal identically, with the following:

a. Project title and location.

b. Construction contract number.

c. Date of the drawings and revisions.

d. Name, address, and telephone number of subcontractor, supplier, manufacturer and any other subcontractor associated with the submittal.

e. Section number of the specification section by which submittal is required.

f. Submittal description (SD) number of each component of submittal.

g. When a resubmission, add alphabetic suffix on submittal description, for example, submittal 18 would become 18A, to indicate resubmission.

h. Product identification and location in project.

1.5.2 Format for SD-02 Shop Drawings

Shop drawings are not to be less than 8 1/2 by 11 inches nor more than 30 by 42 inches, except for full size patterns or templates. Prepare drawings to accurate size, with scale indicated, unless other form is required. Drawings are to be suitable for reproduction and be of a quality to produce clear, distinct lines and letters with dark lines on a white background.

Present 8 1/2 by 11 inches sized shop drawings as part of the bound volume for submittals required by section. Present larger drawings in sets.

Include on each drawing the drawing title, number, date, and revision numbers and dates, in addition to information required in paragraph entitled, "Identifying Submittals," of this section.

Number drawings in a logical sequence. Each drawing is to bear the number of the submittal in a uniform location adjacent to the title block. Place the Government contract number in the margin, immediately below the title block, for each drawing.

Dimension drawings, except diagrams and schematic drawings; prepare drawings demonstrating interface with other trades to scale. Use the same unit of measure for shop drawings as indicated on the contract drawings. Identify materials and products for work shown.

Include the nameplate data, size and capacity on drawings. Also include applicable federal, military, industry and technical society publication references.

1.5.3 Format of SD-03 Product Data and SD-08 Manufacturer's Instructions

Present product data submittals for each section as a complete, bound volume. Include table of contents, listing page and catalog item numbers for product data.

Indicate, by prominent notation, each product which is being submitted; indicate specification section number and paragraph number to which it pertains.

Supplement product data with material prepared for project to satisfy submittal requirements for which product data does not exist. Identify this material as developed specifically for project, with information and format as required for submission of SD-07 Certificates.

Include the manufacturer's name, trade name, place of manufacture, and catalog model or number on product data. Also include applicable federal, military, industry and technical society publication references. Should manufacturer's data require supplemental information for clarification, submit as specified for SD-07 Certificates.

Where equipment or materials are specified to conform to industry and technical society reference standards of the organizations such as American National Standards Institute (ANSI), ASTM International (ASTM), National Electrical Manufacturer's Association (NEMA), Underwriters Laboratories

(UL), and Association of Edison Illuminating Companies (AEIC), submit proof of such compliance. The label or listing by the specified organization will be acceptable evidence of compliance. In lieu of the label or listing, submit a certificate from an independent testing organization, competent to perform testing, and approved by the Contracting Officer. State on the certificate that the item has been tested in accordance with the specified organization's test methods and that the item complies with the specified organization's reference standard.

Collect required data submittals for each specific material, product, unit of work, or system into a single submittal and marked for choices, options, and portions applicable to the submittal. Mark each copy of the product data identically. Partial submittals will not be accepted for expedition of construction effort.

Submit manufacturer's instructions prior to installation.

1.5.4 Format of SD-04 Samples

Furnish samples in sizes below, unless otherwise specified or unless the manufacturer has prepackaged samples of approximately same size as specified:

a. Sample of Equipment or Device: Full size.

b. Sample of Materials Less Than 2 by 3 inches: Built up to 8 1/2 by 11 inches.

c. Sample of Materials Exceeding 8 1/2 by 11 inches: Cut down to 8 1/2 by 11 inches and adequate to indicate color, texture, and material variations.

d. Sample of Linear Devices or Materials: 10 inch length or length to be supplied, if less than 10 inches. Examples of linear devices or materials are conduit and handrails.

e. Sample of Non-Solid Materials: Pint. Examples of non-solid materials are sand and paint.

f. Color Selection Samples: 2 by 4 inches. Where samples are specified for selection of color, finish, pattern, or texture, submit the full set of available choices for the material or product specified. Sizes and quantities of samples are to represent their respective standard unit.

g. Sample Panel: 4 by 4 feet.

h. Sample Installation: 100 square feet.

Samples Showing Range of Variation: Where variations in color, finish, pattern, or texture are unavoidable due to nature of the materials, submit sets of samples of not less than three units showing extremes and middle of range. Mark each unit to describe its relation to the range of the variation.

Reusable Samples: Incorporate returned samples into work only if so specified or indicated. Incorporated samples are to be in undamaged condition at time of use.

Recording of Sample Installation: Note and preserve the notation of area constituting sample installation but remove notation at final clean up of project.

When color, texture or pattern is specified by naming a particular manufacturer and style, include one sample of that manufacturer and style, for comparison.

1.5.5 Format of SD-05 Design Data and SD-07 Certificates

Provide design data and certificates on 8 1/2 by 11 inches paper. Provide a bound volume for submittals containing numerous pages.

1.5.6 Format of SD-06 Test Reports and SD-09 Manufacturer's Field Reports

Provide reports on 8 1/2 by 11 inches paper in a complete bound volume.

Indicate by prominent notation, each report in the submittal. Indicate specification number and paragraph number to which it pertains.

1.5.7 Format of SD-01 Preconstruction Submittals and SD-11 Closeout Submittals

When submittal includes a document which is to be used in project or become part of project record, other than as a submittal, do not apply Contractor's approval stamp to document, but to a separate sheet accompanying document.

1.6 INFORMATION ONLY SUBMITTALS

Normally submittals for information only will not be returned. Approval of the Contracting Officer is not required on information only submittals. The Government reserves the right to require the Contractor to resubmit any item found not to comply with the contract. This does not relieve the Contractor from the obligation to furnish material conforming to the plans and specifications; will not prevent the Contracting Officer from requiring removal and replacement of nonconforming material incorporated in the work; and does not relieve the Contractor of the requirement to furnish samples for testing by the Government laboratory or for check testing by the Government in those instances where the technical specifications so prescribe.

1.7 VARIATIONS

Variations from contract requirements require both Designer of Record (DOR) and Government approval pursuant to contract Clause FAR 52.236-21 and will be considered where advantageous to Government.

1.7.1 Considering Variations

Discussion with Contracting Officer prior to submission, after consulting with the DOR, will help ensure functional and quality requirements are met and minimize rejections and re-submittals. When contemplating a variation which results in lower cost, consider submission of the variation as a Value Engineering Change Proposal (VECP).

Specifically point out variations from contract requirements in transmittal letters. Failure to point out deviations may result in the Government requiring rejection and removal of such work at no additional cost to the

Government.

1.7.2 Proposing Variations

When proposing variation, deliver written request to the Contracting Officer, with documentation of the nature and features of the variation and why the variation is desirable and beneficial to Government, including the DOR's written analysis and approval. If lower cost is a benefit, also include an estimate of the cost savings. In addition to documentation required for variation, include the submittals required for the item. Clearly mark the proposed variation in all documentation.

Check the column "variation" of ENG Form 4025 for submittals which include proposed deviations requested by the Contractor. Set forth in writing the reason for any deviations and annotate such deviations on the submittal. The Government reserves the right to rescind inadvertent approval of submittals containing unnoted deviations.

1.7.3 Warranting That Variations Are Compatible

When delivering a variation for approval, Contractor, including its Designer(s) of Record, warrants that this contract has been reviewed to establish that the variation, if incorporated, will be compatible with other elements of work.

1.7.4 Review Schedule Is Modified

In addition to normal submittal review period, a period of 10 working days will be allowed for consideration by the Government of submittals with variations.

1.8 SCHEDULING

Schedule and submit concurrently submittals covering component items forming a system or items that are interrelated. Include certifications to be submitted with the pertinent drawings at the same time. No delay damages or time extensions will be allowed for time lost in late submittals.

a. Coordinate scheduling, sequencing, preparing and processing of submittals with performance of work so that work will not be delayed by submittal processing. Allow for potential resubmittal of requirements.

b. For submittals requiring review by fire protection engineer, allow review period, beginning when Government receives submittal from QC organization, of 30 working days for return of submittal to the Contractor.

c. Period of review for each resubmittal is the same as for initial submittal.

At the Preconstruction conference, provide, for approval by the Contracting Officer, the following schedule of submittals:

a. A schedule of shop drawings and technical submittals required by the specifications and drawings. Indicate the specification or drawing reference requiring the submittal; the material, item, or process for which the submittal is required; the "SD" number and identifying title of the submittal; the Contractor's anticipated submission date and the approval need date.

b. A separate schedule of other submittals required under the contract but not listed in the specifications or drawings. Schedule will indicate the contract requirement reference; the type or title of the submittal; the Contractor's anticipated submission date and the approved need date (if approval is required).

1.9 DISAPPROVED OR REJECTED SUBMITTALS

If changes are necessary to submittals, the Contractor shall make such revisions and submission of the submittals in accordance with the procedures above. No item of work requiring a submittal change is to be accomplished until the changed submittals are approved.

1.10 APPROVED SUBMITTALS

The Contracting Officer's approval or acceptance of submittals is not to be construed as a complete check, and indicates only that the general method of construction, materials, detailing and other information are satisfactory. design, general method of construction, materials, detailing and other information appear to meet the Solicitation and Accepted Proposal.

Approval or acceptance will not relieve the Contractor of the responsibility for any error which may exist, as the Contractor under the Contractor Quality Control (CQC) requirements of this contract is responsible for dimensions, the design of adequate connections and details, and the satisfactory construction of all work design, dimensions, all design extensions, such as the design of adequate connections and details, etc., and the satisfactory construction of all work.

After submittals have been approved or accepted by the Contracting Officer, no resubmittal for the purpose of substituting materials or equipment will be considered unless accompanied by an explanation of why a substitution is necessary.

1.11 APPROVED SAMPLES

Approval of a sample is only for the characteristics or use named in such approval and is not be construed to change or modify any contract requirements. Before submitting samples, the Contractor to assure that the materials or equipment will be available in quantities required in the project. No change or substitution will be permitted after a sample has been approved.

Match the approved samples for materials and equipment incorporated in the work. If requested, approved samples, including those which may be damaged in testing, will be returned to the Contractor, at his expense, upon completion of the contract. Samples not approved will also be returned to the Contractor at its expense, if so requested.

Failure of any materials to pass the specified tests will be sufficient cause for refusal to consider, under this contract, any further samples of the same brand or make of that material. Government reserves the right to disapprove any material or equipment which previously has proved unsatisfactory in service.

Samples of various materials or equipment delivered on the site or in place may be taken by the Contracting Officer for testing. Samples failing to meet contract requirements will automatically void previous approvals.

Contractor to replace such materials or equipment to meet contract requirements.

Approval of the Contractor's samples by the Contracting Officer does not relieve the Contractor of his responsibilities under the contract.

1.12 WITHHOLDING OF PAYMENT

Payment for materials incorporated in the work will not be made if required approvals have not been obtained No payment for materials incorporated in the work will be made if all required Designer of Record or required Government approvals have not been obtained. No payment will be made for any materials incorporated into the work for any conformance review submittals or information only submittals found to contain errors or deviations from the Solicitation or Accepted Proposal.

1.13 PROGRESS SCHEDULE

1.13.1 Bar Chart

a. Submit the progress chart, for approval by the Contracting Officer, at the Preconstruction Conference in one reproducible and 4 copies.

b. Prepare the progress chart in the form of a bar chart utilizing form "Construction Progress Chart" or comparable format acceptable to the Contracting Officer.

c. Include no less than the following information on the progress chart:

(1) Break out by major headings for primary work activity.

(2) A line item break out under each major heading sufficient to track the progress of the work.

(3) A line item showing contract finalization task which includes punch list, clean-up and demolition, and final construction drawings.

(4) A materials bar and a separate labor bar for each line item. Both bars will show the scheduled percentage complete for any given date within the contract performance period. Labor bar will also show the number of men (man-load) expected to be working on any given date within the contract performance period.

(5) The estimated cost and percentage weight of total contract cost for each materials and labor bar on the chart.

(6) Separate line items for mobilization and drawing submittal and approval. (These items are to show no associated costs.)

d. Update the progress schedule in one reproduction and 4 copies every 30 calendar days throughout the contract performance period.

1 13.2 Project Network Analysis

Submit the initial progress schedule within 21 calendar days of notice to proceed. Schedule is to be updated and resubmitted monthly beginning 7 calendar days after return of the approved initial schedule. Updating to entail complete revision of the graphic and data displays incorporating

changes in scheduled dates and performance periods. Redlined updates will only be acceptable for use as weekly status reviews.

Include the following in the project network analysis:

a. Graphically display with the standard network or arrow diagram capable of illustrating the required data. Drafting to be computer generated on standard 24 by 36 inch (nominal size) drafting sheets or on small 11 by 17 inch minimum sheets with separate overview and detail breakouts. Provide a project network analysis that is legible with a clear, consistent method for continuations and detail referencing. Clearly delineate the critical path on the display. Clearly indicate the contract milestone date on the project network analysis graphic display.

b. Data is to be presented as a separate printout on paper or, where feasible, may be printed on the same sheet as the graphic display. Data is to be organized in a logical coherent display capable of periodic updating.

c. Include within the data verbal activity descriptions with a numerical ordering system cross referenced to the graphic display. Additionally, costs (broken down into separate materials and costs), duration, early start date, early finish date, late start date, late finish date, and float are to be detailed for each activity. A running total of the percent completion based on completed activity costs versus total contract cost is to be indicated. A system for indicating scheduled versus actual activity dates and durations is also to be provided.

d. Sufficient detail to facilitate the Contractor's control of the job and to allow the Contracting Officer to readily follow progress for portions of the work should be shown within the schedule.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 35 26

GOVERNMENTAL SAFETY REQUIREMENTS

PART 1 GENERAL

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1.2 SUBMITTALS
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1.4 CERTIFICATE SUBMITTALS
1.5 SITE QUALIFICATIONS, DUTIES AND MEETINGS
1.5.1 Personnel Qualifications
1.5.1.1 Site Safety and Health Officer (SSHO)
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1.5.2.1 Site Safety and Health Officer (SSHO)

PART 2 PRODUCTS

PART 3 EXECUTION

-- End of Section Table of Contents --

SECTION 01 35 26

GOVERNMENTAL SAFETY REQUIREMENTS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

JOHN F. KENNEDY SPACE CENTER (KSC)

KNPR 1820.4	KSC Respiratory Protection Program
KNPR 1840.19	KSC Industrial Hygiene Programs
KNPR 8715.3	KSC Safety Practices Procedural Requirements
KNPR 8715.7	KSC Construction Contractor Safety and Health Practices Produral Requirements
KSC-UG-2814	(Rev A-1; 2010) KSC Construction Contractor Safety and Health Practices User Guide

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Site-Specific Safety and Health Plan; G

Toxic Metals Safety and Health Plan; G

Crane Critical Lift Plan; G

Proof of Qualification for Crane Operators; G

SD-07 Certificates

Confined Space Entry Permit

Hot Work Permit

Certificate of Compliance (Crane)

1.3 PRECONSTRUCTION SUBMITTALS

Submit the following in accordance with paragraph entitled "Submittals" and

with KNPR 8715.3, KNPR 8715.7 and KSC-UG-2814:

Site-Specific Safety and Health Plan in accordance with KSC procedural requirements.

Toxic Metals Safety and Health Plan in accordance with KSC procedural requirements.

Crane Critical Lift Plan in accordance with KSC procedural requirements.

Proof of qualifications for crane operators in accordance with KSC procedural requirements.

1.4 CERTIFICATE SUBMITTALS

Submit the following in accordance with paragraph entitled "Submittals" and with KNPR 8715.3 and KNPR 8715.7:

Confined Space Entry Permit in accordance with KNPR 1820.4 and KNPR 1840.19.

Hot Work Permit in accordance with KSC procedural requirements.

Certificate of Compliance (Crane) in accordance with KSC procedural requirements.

1.5 SITE QUALIFICATIONS, DUTIES AND MEETINGS

1.5.1 Personnel Qualifications

1.5.1.1 Site Safety and Health Officer (SSHO)

The SSHO shall ensure that all requirements of the Government-Approved Site-Specific Safety and Health Plan (SSSP) are met for this project. Provide a Safety oversight team that includes a minimum of one (1) person at each project site to function as the SSHO. The SSHO or an equally-qualified Designated Representative/alternate shall be at the work site at all times to implement and administer the Contractor's safety program and government-accepted SSSP.

A Competent Person shall be provided for all of the hazards identified in the Contractor's Safety and Health Program in accordance with the accepted SSSP, and shall be on-site at all times when the work that presents the hazards associated with their professional expertise is being performed. Provide the credentials of the Competent Persons(s) to the the Contracting Officer for acceptance in consultation with the Safety Office.

1.5.2 Personnel Duties

1.5.2.1 Site Safety and Health Officer (SSHO)

The SSHO shall:

a. Conduct daily safety and health inspections and maintain a written log which includes area/operation inspected, date of inspection, identified hazards, recommended corrective actions, estimated and actual dates of corrections. Attach safety inspection logs to the Contractors' daily quality control report.

b. Conduct mishap investigations and complete required reports. Maintain the OSHA Form 300 and Daily Production reports for prime and sub-contractors.

c. Maintain applicable safety reference material on the job site.

d. Attend the pre-construction conference, pre-work meetings including preparatory inspection meeting, and periodic in-progress meetings.

e. Implement and enforce accepted SSSP.

f. Maintain a safety and health deficiency tracking system that monitors outstanding deficiencies until resolution. Post a list of unresolved safety and health deficiencies on the safety bulletin board.

g. Ensure sub-contractor compliance with safety and health requirements.

h. Maintain a list of hazardous chemicals on site and their material safety data sheets.

Failure to perform the above duties will result in dismissal of the superintendent, QC Manager, and/or SSHO, and a project work stoppage. The project work stoppage will remain in effect pending approval of a suitable replacement.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 42 00

SOURCES FOR REFERENCE PUBLICATIONS

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SECTION 01 42 00

SOURCES FOR REFERENCE PUBLICATIONS

PART 1 GENERAL

1.1 REFERENCES

Various publications are referenced in other sections of the specifications to establish requirements for the work. These references are identified in each section by document number, date and title. The document number used in the citation is the number assigned by the standards producing organization, (e.g. ASTM B564 Nickel Alloy Forgings). However, when the standards producing organization has not assigned a number to a document, an identifying number has been assigned for reference purposes.

1.2 ORDERING INFORMATION

The addresses of the standards publishing organizations whose documents are referenced in other sections of these specifications are listed below, and if the source of the publications is different from the address of the sponsoring organization, that information is also provided. Documents listed in the specifications with numbers which were not assigned by the standards producing organization should be ordered from the source by title rather than by number.

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA)
2700 Prosperity Ave., Suite 250
Fairfax, VA 22031
Tel: 703-849-8888
Fax: 703-207-3561
E-mail: infonet@aiha.org
Internet http://www.aiha.org

AMERICAN IRON AND STEEL INSTITUTE (AISI)
1140 Connecticut Avenue, NW, Suite 705
Washington, DC 20036
Ph: 202-452-7100
Fax: 202-463-6577
E-mail: webmaster@steel.org
Internet: http://www.steel.org

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
1819 L Street, NW, 6th Floor
Washington, DC 20036
Ph: 202-293-8020
Fax: 202-293-9287
E-mail: info@ansi.org
Internet: http://www.ansi.org/

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE)
1791 Tullie Circle, NE
Atlanta, GA 30329
Ph: 800-527-4723 or 404-636-8400

Fax: 404-321-5478
E-mail: ashrae@ashrae.org
Internet: http://www.ashrae.org

AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE/SAFE)
1800 East Oakton Street
Des Plaines, IL 60018-2187
Ph: 847-699-2929
Fax: 847-768-3434
E-mail: customerservice@asse.org
Internet: http://www asse.org

AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE)
901 Canterbury, Suite A
Westlake, OH 44145
Ph: 440-835-3040
Fax: 440-835-3488
E-mail: info@asse-plumbing.org
Internet: http://www.asse-plumbing.org

AMERICAN WATER WORKS ASSOCIATION (AWWA)
6666 West Quincy Avenue
Denver, CO 80235
Ph: 800-926-7337
Fax: 303-347-0804
E-mail: smorrison@awwa.org
Internet: http://www.awwa.org

AMERICAN WELDING SOCIETY (AWS)
550 N.W. LeJeune Road
Miami, FL 33126
Ph: 800-443-9353 - 305-443-9353
Fax: 305-443-7559
E-mail: info@aws.org or customerservice@awspubs.com
Internet: http://www.aws.org

ASME INTERNATIONAL (ASME)
Three Park Avenue, M/S 10E
New York, NY 10016-5990
Ph: 800-854-7179 or 800-843-2763
Fax: 212-591-7674
E-mail: infocentral@asme.org
Internet: http://www.asme.org

ASTM INTERNATIONAL (ASTM)
100 Barr Harbor Drive, P.O. Box C700
West Conshohocken, PA 19428-2959
Ph: 610-832-9585
Fax: 610-832-9555
E-mail: service@astm.org
Internet: http://www.astm.org

CALIFORNIA ENERGY COMMISSION (CEC)
Media and Public Communications Office
1516 Ninth Street, MS-29
Sacramento, CA 95814-5512
Ph: 916-654-4287
Internet: http://www.energy.ca.gov/

CAST IRON SOIL PIPE INSTITUTE (CISPI)
5959 Shallowford Road, Suite 419
Chattanooga, TN 37421
Ph: 423-892-0137
Fax: 423-892-0817
Internet: http://www.cispi.org

COMPRESSED GAS ASSOCIATION (CGA)
4221 Walney Road, 5th Floor
Chantilly, VA 20151
Ph: 703-788-2700
Fax: 703-961-1831
E-mail: cga@cganet.com
Internet: http://www.cganet.com

COPPER DEVELOPMENT ASSOCIATION (CDA)
260 Madison Avenue
New York, NY 10016
Ph: 212-251-7200
Fax: 212-251-7234
E-mail: questions@cda.copper.org
Internet: http://www.copper.org

FLORIDA ADMINISTRATIVE CODE (FAC)
R.A. Gray Building, Room 101
500 South Bronough Street
Tallahassee, FL 32399-0250
Ph: 850-245-6270
Fax: 850-245-6282
Email: lcloud@dos.state.fl.us
Internet: https://www.flrules.org/

FLORIDA STATUTES (FL-STAT)
Division of Legislative Information Services
Room 407 Claude Pepper Building
111 West Madison Street
Tallahassee, FL 32399-1400
Ph: 850-488-4371/800-342-1827
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PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not used

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ENVIRONMENTAL PROTECTION

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

33 CFR 328	Definitions of Waters of the United States
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 279	Standards for the Management of Used Oil
40 CFR 302	Designation, Reportable Quantities, and Notification
40 CFR 355	Emergency Planning and Notification
40 CFR 68	Chemical Accident Prevention Provisions
49 CFR 171 - 178	Hazardous Materials Regulations

1.2 DEFINITIONS

1.2.1 Environmental Pollution and Damage

Environmental pollution and damage is the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade the environment aesthetically, culturally and/or historically.

1.2.2 Environmental Protection

Environmental protection is the prevention/control of pollution and habitat disruption that may occur to the environment during construction. The control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.

1.2.3 Contractor Generated Hazardous Waste

Contractor generated hazardous waste means materials that, if abandoned or disposed of, may meet the definition of a hazardous waste. These waste streams would typically consist of material brought on site by the

Contractor to execute work, but are not fully consumed during the course of construction. Examples include, but are not limited to, excess paint thinners (i.e. methyl ethyl ketone, toluene etc.), waste thinners,excess paints, excess solvents, waste solvents, and excess pesticides, and contaminated pesticide equipment rinse water.

1.2.4 Land Application for Discharge Water

The term "Land Application" for discharge water implies that the Contractor shall discharge water at a rate which allows the water to percolate into the soil. No sheeting action, soil erosion, discharge into storm sewers, discharge into defined drainage areas, or discharge into the "Waters of the United States" shall occur. Land Application shall be in compliance with all applicable Federal and State regulations and NASA Special Condition Contract Clauses.

1.2.5 Surface Discharge

The term "Surface Discharge" implies that the water is discharged with possible sheeting action and subsequent soil erosion may occur. Waters that are surface discharged may terminate in drainage ditches, storm sewers,creeks, and/or "Waters of the United States" and would require a permit to discharge water from the governing agency.

1.2.6 Waters of the United States

All waters which are under the jurisdiction of the Clean Water Act, as defined in 33 CFR 328.

1.2.7 Recycle/Recyclable

The Contractor shall segregate materials from the construction and demolition waste stream and retain ownership of those materials for recycling outside KSC.

1.2.8 Salvage

The Contractor shall segregate materials from the construction and demolition waste stream and turn those materials over to the Government.

1.2.9 Reclaim

Segregate material from the construction and demolition waste stream for recycling or salvaging.

1.2.10 Reuse

Remove materials or equipment as indicated on the drawings, store, relocate as needed, and reinstall in accordance with the drawings.

1.3 GENERAL REQUIREMENTS

Minimize environmental pollution and damage that may occur as the result of construction operations. The environmental resources within the project boundaries and those affected outside the limits of permanent work shall be protected during the entire duration of this contract. Comply with all applicable environmental Federal, State, and local laws and regulations. Any delays resulting from failure to comply with environmental laws and regulations will be the Contractor's responsibility.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Environmental Protection Plan; G

Process Waste Questionnaire

1.5 ENVIRONMENTAL PROTECTION PLAN

Prior to commencing construction activities or delivery of materials to the site, submit an Environmental Protection Plan for review and approval by the Contracting Officer. The purpose of the Environmental Protection Plan is to present a comprehensive overview of known or potential environmental issues which the Contractor must address during construction. Issues of concern must be defined within the Environmental Protection Plan as outlined in this section. Address each topic at a level of detail commensurate with the environmental issue and required construction task(s). Topics or issues which are not identified in this section, but are considered necessary, must be identified and discussed after those items formally identified in this section. Prior to submittal of the Environmental Protection Plan, meet with the Contracting Officer for the purpose of discussing the implementation of the initial Environmental Protection Plan; possible subsequent additions and revisions to the plan including any reporting requirements; and methods for administration of the Contractor's Environmental Plans. The Environmental Protection Plan must be current and maintained onsite by the Contractor.

1.5.1 Compliance

No requirement in this Section will relieve the Contractor of any applicable Federal, State, and local environmental protection laws and regulations. During Construction, the Contractor will be responsible for identifying, implementing, and submitting for approval any additional requirements to be included in the Environmental Protection Plan.

1.5.2 Contents

Include in the environmental protection plan, but not limit it to, the following:

a. Name(s) of person(s) within the Contractor's organization who is(are) responsible for ensuring adherence to the Environmental Protection Plan.

b. Name(s) and qualifications of person(s) responsible for manifesting hazardous waste to be removed from the site, if applicable.

c. Name(s) and qualifications of person(s) responsible for training the Contractor's environmental protection personnel.

d. Description of the Contractor's environmental protection personnel training program.

e. Work area plan showing the proposed activity in each portion of the area and identifying the areas of limited use or nonuse. Plan should include measures for marking the limits of use areas including methods for protection of features to be preserved within authorized work areas.

f. A spill control plan with the procedures, instructions, and reports to be used in the event of an unforeseen spill of a substance regulated by 40 CFR 68, 40 CFR 302, 40 CFR 355, and/or regulated under State or Local laws and regulations and KSC policy. Include in this plan, as a minimum:

1). The name of the individual who will report any spills or hazardous substance releases and who will follow up with complete documentation. This individual will immediately notify the Contracting Officer and NASA Environmental. Include in the plan a list of the required reporting channels and telephone numbers.

2). The name and qualifications of the individual who will be responsible for implementing and supervising the containment and cleanup.

3). Training requirements for Contractor's personnel and methods of accomplishing the training.

4). A list of materials and equipment to be immediately available at the job site, tailored to cleanup work of the potential hazard(s) identified.

5). The names and locations of suppliers of containment materials and locations of additional fuel oil recovery, cleanup, restoration, and material-placement equipment available in case of an unforeseen spill emergency.

6). The methods and procedures to be used for expeditious contaminant cleanup.

g. A hazardous waste disposal plan identifying methods and locations for hazardous waste and universal waste training, identification, collection management, and disposal.

h. A non-hazardous solid waste disposal plan identifying methods and locations for solid waste disposal including clearing debris and schedules for disposal.

1). Identify any subcontractors responsible for the transportation and disposal of solid waste. Submit licenses or permits for solid waste disposal sites that are not a commercial operating facility.

2). Evidence of the disposal facility's acceptance of the solid waste must be attached to this plan during the construction. Attach a copy of each of the Non-hazardous Solid Waste Diversion Reports to the disposal plan. Submit the report for the previous quarter on the first working day after the first quarter that non-hazardous solid waste has been disposed and/or diverted (e.g. the first working day of January, April, July, and October).

3). Indicate in the report the total amount of waste generated

and total amount of waste diverted in cubic yards or tons along with the percent that was diverted.

i. A recycling and solid waste minimization plan with a list of measures to reduce consumption of energy and natural resources. Detail in the plan the Contractor's actions to comply with and to participate in Federal, State, Regional, and local government sponsored recycling programs to reduce the volume of solid waste at the source.

j. An air pollution control plan detailing provisions to assure that dust, debris, materials, trash, etc., do not become air borne and travel off the project site.

k. A contaminant prevention plan that: identifies potentially hazardous substances to be used on the job site; identifies the intended actions to prevent introduction of such materials into the air, water, or ground; and details provisions for compliance with Federal, State, and local laws and regulations for storage and handling of these materials. A copy of the Material Safety Data Sheets (MSDS) and the maximum quantity of each hazardous material to be onsite at any given time must be included in the contaminant prevention plan. Update the plan as new hazardous materials are brought onsite or removed from the site.

l. A waste water management plan that identifies the methods and procedures for management and/or discharge of waste waters which are directly derived from construction activities, such as concrete curing water, clean-up water, dewatering of ground water, disinfection water, hydrostatic test water, and water used in flushing of lines. If a settling/retention pond is required, the plan must include the design of the pond including drawings, removal plan, and testing requirements for possible pollutants. If land application will be the method of disposal for the waste water, the plan must include a sketch showing the location for land application along with a description of the pretreatment methods to be implemented. If surface discharge will be the method of disposal, include a copy of the permit and associated documents as an attachment prior to discharging the waste water. If disposal is to a sanitary sewer, the plan must include documentation that the Waste Water Treatment Plant Operator has approved the flow rate, volume, and type of discharge.

m. A historical, archaeological, cultural resources biological resources and wetlands plan that defines procedures for identifying and protecting historical, archaeological, cultural resources, biological resources and wetlands known to be on the project site: and/or identifies procedures to be followed if historical archaeological, cultural resources, biological resources and wetlands not previously known to be onsite or in the area are discovered during construction. Include in the plan methods to assure the protection of known or discovered resources, identifying lines of communication between Contractor personnel and the Contracting Officer.

1.5.3 Appendix

Attach to the Environmental Protection Plan, as an appendix, copies of all required environmental permits, permit application packages, approvals to construct, notifications, certifications, reports, and termination documents.

1.6 ENVIRONMENTAL ASSESSMENT OF CONTRACT DEVIATIONS

Any deviations from the drawings, plans and specifications, requested by the Contractor and which may have an environmental impact will be subject to approval by the Contracting Officer and may require an extended review, processing, and approval time. The Contracting Officer reserves the right to disapprove alternate methods, even if they are more cost effective, if the Contracting Officer determines that the proposed alternate method will have an adverse environmental impact

1.7 NOTIFICATION

The Contracting Officer will notify the Contractor in writing of any observed noncompliance with Federal, State or local environmental laws or regulations, permits, and other elements of the Contractor's Environmental Protection plan. The Contractor shall, after receipt of such notice, inform the Contracting Officer of the proposed corrective action and take such action when approved by the Contracting Officer. The Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions shall be granted or equitable adjustments allowed to the Contractor for any such suspensions. This is in addition to any other actions the Contracting Officer may take under the contract, or in accordance with the Federal Acquisition Regulation or Federal Law.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 LAND RESOURCES

3.1.1 Contractor Facilities and Work Areas

The Contractor's field offices, staging areas, stockpile storage, and temporary buildings shall be placed in areas as directed by the Contracting Officer. Temporary movement or relocation of Contractor facilities shall be made only when approved.

3.2 WATER RESOURCES

The Contractor shall monitor construction activities to prevent pollution of surface and ground waters. Toxic or hazardous chemicals shall not be applied to soil or vegetation unless otherwise indicated. All water areas affected by construction activities shall be monitored by the Contractor. For construction activities immediately adjacent to impaired surface waters, the Contractor shall be capable of quantifying sediment or pollutant loading to that surface water when required by State or Federally issued Clean Water Act permits.

3.2.1 Wetlands

The Contractor shall not enter, disturb, destroy, or allow discharge of contaminants into any wetlands.

3.3 AIR RESOURCES

Equipment operation, activities, or processes performed by the Contractor shall be in accordance with all Federal and State air emission and performance laws and standards.

3.3.1 Particulates

Dust particles; aerosols and gaseous by-products from construction activities; and processing and preparation of materials, such as from abrasive blasting; shall be controlled at all times. The Contractor shall maintain stockpiles, haul roads, permanent and temporary access roads, spoil areas, and other work areas within or outside the project boundaries free from particulates which would cause the Federal, State, and local air pollution standards to be exceeded or which would cause a hazard or a nuisance. Sprinkling, chemical treatment of an approved type, baghouse, scrubbers, electrostatic precipitators or other methods will be permitted to control particulates in the work area. Sprinkling, to be efficient, must be repeated to keep the disturbed area damp at all times. Provide sufficient, competent equipment available to accomplish these tasks. Perform particulate control as the work proceeds and whenever a particulate nuisance or hazard occurs. The Contractor shall comply with all State and local visibility regulations.

3.3.2 Burning

Burning shall be prohibited on the Government premises.

3.4 MATERIALS MANAGEMENT AND WASTE DISPOSAL

Disposal of wastes shall be as directed below, unless otherwise specified in other sections and/or shown on the drawings.

3.4.1 Solid Wastes

Place solid wastes (excluding clearing debris) in containers which are emptied on a regular schedule. Handling, storage, and disposal must be conducted to prevent contamination. Employ segregation measures so that no hazardous or toxic waste will become co-mingled with solid waste.

3.4.2 Chemicals and Chemical Wastes

Chemicals shall be dispensed ensuring no spillage to the ground or water. Periodic inspections of dispensing areas to identify leakage and initiate corrective action shall be performed and documented. This documentation will be periodically reviewed by the Government. Chemical waste shall be collected in corrosion resistant, compatible containers. Collection drums shall be monitored and removed to a staging or storage area when contents are within 6 inches of the top. Wastes shall be classified, managed, stored, and disposed of in accordance with Federal, State, and local laws and regulations.

3.4.3 Contractor Generated Hazardous Wastes/Excess Hazardous Materials

Hazardous wastes are defined in 40 CFR 261, or are as defined by applicable Federal, State and local regulations and KSC policy. Hazardous materials are defined in 49 CFR 171 - 178. Manage and store hazardous waste in compliance with Federal and State regulations and KSC policy.Take sufficient measures to prevent spillage of hazardous and toxic materials during dispensing. For more information refer to the KSC special condition contract clauses.

3.4.4 Fuel and Lubricants

Storage, fueling and lubrication of equipment and motor vehicles shall be conducted in a manner that affords the maximum protection against spill and evaporation. Fuel, lubricants and oil shall be managed and stored in accordance with all Federal, State, Regional, and local laws and regulations. Used lubricants and used oil to be discarded must be stored in marked corrosion-resistant containers and recycled or disposed of in accordance with 40 CFR 279, State and local laws and regulations, and KSC policy.

3.4.5 Waste Water

Disposal of waste water shall be as specified below.

a. Waste water from construction activities, such as onsite material processing, concrete curing, foundation and concrete clean-up, water used in concrete trucks, forms, etc. Condensate, distilled water, and chlorinated water shall not be allowed to enter water ways, or the sanitary sewer, or to be discharged prior to being treated to remove pollutants. Submit a Process Waste Questionnaire to the Contracting Officer and NASA Environmental to obtain discharge approval. Discharge of potable water to grade, not stormwater systems or surface waters, is allowable.

3.5 RECYCLING AND WASTE MINIMIZATION

Participate in State, local government, and KSC sponsored recycling programs. The Contractor must participate in the following recycling and waste minimization activities to divert non-hazardous solid waste: cardboard, glass, aluminum, plastic, ceiling tiles, and carpet tiles.

3.6 CONSTRUCTION AND DEMOLITION PROJECTS REPORT

The Contractor shall maintain an inventory of non-hazardous solid waste diversion and disposal of construction and demolition debris. The Contractor shall submit a report (KSC Form 7-648 NS (02/07),to NASA Environmental through the Contracting Officer on a monthly basis and keep a log on site per direction of the Contracting Officer. The following shall be included in the report:

a. Construction and Demolition (C&D) Debris Disposed = _____ in cubic yards or tons, as appropriate.

b. Construction and Demolition (C&D) Debris Recycled = _____ in cubic yards or tons, as appropriate.

c. Total C&D Debris Generated = _____ in cubic yards or tons, as appropriate.

d. Waste Sent to Waste-To-Energy Incineration Plant (This amount should not be included in the recycled amount) = _____ in cubic yards or tons, as appropriate.

e. Metal Recycled = in tons, as appropriate.

3.7 HISTORICAL, ARCHAEOLOGICAL, AND CULTURAL RESOURCES

If during excavation or other construction activities any previously

unidentified or unanticipated historical, archaeological, and cultural resources are discovered or found, all activities that may damage or alter such resources will be temporarily suspended. Resources covered by this paragraph include but are not limited to: any human skeletal remains or burials; artifacts; shell, midden, bone, charcoal, or other deposits; rock or coral alignments, pavings, wall, or other constructed features; and any indication of agricultural or other human activities. Upon such discovery or find, immediately notify the Contracting Officer so that the appropriate authorities may be notified and a determination made as to their significance and what, if any, special disposition of the finds should be made. Cease all activities that may result in impact to or the destruction of these resources. the area and prevent employees or other persons from trespassing on, removing, or otherwise disturbing such resources.

3.8 BIOLOGICAL RESOURCES

The Contractor shall minimize interference with, disturbance to, and damage to wildlife, including their habitat. The Contractor shall be responsible for the protection of threatened and endangered animal species, including their habitat in accordance with Federal, State, Regional, and local laws and regulations.

The Contractor shall notify the Contracting Officer to request that NASA Environmental perform a biological survey within 14 days of Contract Notice to Proceed. Do not begin land clearing or site disturbance activities before receiving written approval from the Contracting Officer.

3.9 SOLID WASTE MANAGEMENT UNIT

This project is located within the boundary of an identified SWMU (SWMU #56) or Potential Release Location (PRL) site being investigated by the Remediation Group of NASA Environmental. A SWMU designation means a site has had historical operations which had the potential to impact the environment. The VAB is under land use controls for soil and groundwater and is managed according to a Land Use Control Implementation Plan (LUCIP).

3.10 MAINTENANCE OF POLLUTION FACILITIES

The Contractor shall maintain permanent and temporary pollution control facilities and devices for the duration of the contract or for that length of time construction activities create the particular pollutant.

3.11 TRAINING OF CONTRACTOR PERSONNEL

The Contractor's personnel shall be trained in all phases of environmental protection and pollution control. The Contractor shall conduct environmental protection/pollution control meetings for all Contractor personnel prior to commencing construction activities. Additional meetings shall be conducted for new personnel and when site conditions change. The training and meeting agenda shall include: methods of detecting and avoiding pollution; familiarization with statutory and contractual pollution standards; installation and care of devices, vegetative covers, and instruments required for monitoring purposes to ensure adequate and continuous environmental protection/pollution control; anticipated hazardous or toxic chemicals or wastes, and other regulated contaminants; recognition and protection of archaeological sites, artifacts, wetlands, and endangered species and their habitat that are known to be in the area.

3.12 POST CONSTRUCTION CLEANUP

The Contractor shall clean up all areas used for construction in accordance with Contract Clause: "Cleaning Up". The Contractor shall, unless otherwise instructed in writing by the Contracting Officer, obliterate all signs of temporary construction facilities such as haul roads, work area, structures, foundations of temporary structures, stockpiles of excess or waste materials, and other vestiges of construction prior to final acceptance of the work. The disturbed area shall be graded, filled and the entire area sodded unless otherwise indicated.

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SECTION 02 41 00

DEMOLITION AND DECONSTRUCTION

PART 1 GENERAL

1.1 DEFINITIONS

Salvage/salvaging: Items and materials identified to be salvaged shall remain the property of the Government to be handled, packaged, and stored in accordance with the requirements of the specifications during construction.

Recycle/recycling: Items and materials identified to be recycled shall become the property of the Contractor. These items shall be sent to a recycling facility or resold intact for reuse at the Contractor's discretion.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN SOCIETY OF SAFETY ENGINEERS (ASSE/SAFE)

ASSE/SAFE A10.6	(2006) Safety Requirements for Demolition Operations

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1	(2008; Errata 1-2010; Changes 1-3 2010; Changes 4-6 2011) Safety and Health Requirements Manual

U.S. DEFENSE LOGISTICS AGENCY (DLA)

DLA 4145.25	(June 2000) Storage and Handling of Liquefied and Gaseous Compressed Gases and Their Full and Empty Cylinders

U.S. DEPARTMENT OF DEFENSE (DOD)

DOD 4000.25-1-M	(2006) MILSTRIP - Military Standard Requisitioning and Issue Procedures
MIL-STD-129	(2007; Rev P; Change 4 2007) Military Marking for Shipment and Storage

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 61	National Emission Standards for Hazardous Air Pollutants
49 CFR 173.301	Shipment of Compressed Gases in Cylinders

and Spherical Pressure Vessels

1.3 PROJECT DESCRIPTION

1.3 1 Demolition/Deconstruction Plan

Prepare a Demolition and Deconstruction Plan and submit proposed salvage, demolition, deconstruction, recycling, and removal procedures for approval before work is started. Include in the plan procedures for careful removal and disposition of materials specified to be salvaged, coordination with other work in progress, a disconnection schedule of utility services, a detailed description of methods and equipment to be used for each operation and of the sequence of operations. Identify components and materials to be segregated for recycling, reuse, or salvage. Append tracking forms for all removed materials indicating type, quantities, condition, destination, and end use. Coordinate with Waste Management Plan in the Environmental Protection Plan. Include statements affirming Contractor inspection of the existing deck and its suitability to perform as a safe working platform or if inspection reveals a safety hazard to workers, state provisions for securing the safety of the workers throughout the performance of the work. Provide procedures for safe conduct of the work in accordance with EM 385-1-1. Plan shall be approved by Contracting Officer prior to work beginning.

1.3.2 General Requirements

Do not begin demolition or deconstruction until authorization is received from the Contracting Officer. The work of this section is to be performed in a manner that maximizes recycling of materials. Remove rubbish and debris from the project site; do not allow accumulations inside or outside the building The work includes demolition, deconstruction, segregation of identified items and materials for recycling, reuse, or salvage, and removal of resulting rubbish and debris. Remove rubbish and debris from Government property daily, unless otherwise directed. Store materials that cannot be removed daily in areas specified by the Contracting Officer. In the interest of occupational safety and health, perform the work in accordance with EM 385-1-1, Section 23, Demolition, and other applicable Sections.

1.4 ITEMS TO REMAIN IN PLACE

Take necessary precautions to avoid damage to existing items to remain in place, or salvaged items to remain the property of the Government. Repair or replace damaged items as approved by the Contracting Officer. Coordinate the work of this section with all other work indicated. Construct and maintain shoring, bracing, and supports as required. Ensure that structural elements are not overloaded. Increase structural supports or add new supports as may be required as a result of any cutting, removal, deconstruction, or demolition work performed under this contract. Do not overload structural elements pavements to remain. Provide new supports and reinforcement for existing construction weakened by demolition, deconstruction, or removal work. Repairs, reinforcement, or structural replacement require approval by the Contracting Officer prior to performing such work.

1.4.1 Existing Construction Limits and Protection

Do not disturb existing construction beyond the extent indicated or necessary for installation of new construction Provide temporary shoring

and bracing for support of building components to prevent settlement or other movement. Provide protective measures to control accumulation and migration of dust and dirt in all work areas. Remove dust, dirt, and debris from work areas daily.

1.4.2 Weather Protection

For portions of the building to remain, protect building interior and materials and equipment from the weather at all times. Where removal of existing roofing is necessary to accomplish work, have materials and workmen ready to provide adequate and temporary covering of exposed areas.

1.4.3 Utility Service

Maintain existing utilities indicated to stay in service and protect against damage during demolition and deconstruction operations. Prior to start of work, utilities serving each area of alteration or removal will be shut off by the Government and disconnected and sealed by the Contractor.

1.4.4 Facilities

Protect electrical and mechanical services and utilities. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical and mechanical utilities. Floors, roofs, walls, columns, pilasters, and other structural components that are designed and constructed to stand without lateral support or shoring, and are determined to be in stable condition, must remain standing without additional bracing, shoring, or lateral support until demolished or deconstructed, unless directed otherwise by the Contracting Officer. Ensure that no elements determined to be unstable are left unsupported and place and secure bracing, shoring, or lateral supports as may be required as a result of any cutting, removal, deconstruction, or demolition work performed under this contract.

1.5 BURNING

The use of burning at the project site for the disposal of refuse and debris will not be permitted.

1.6 AVAILABILITY OF WORK AREAS

Areas in which the work is to be accomplished will be available in accordance with the directions of the Contracting Officer.

1.7 SUBMITTALS

Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Existing Conditions

SD-07 Certificates

Demolition and Deconstruction Plan
Notification

1.8 QUALITY ASSURANCE

Submit timely notification of demolition, deconstruction and renovation projects to Federal and local authorities in accordance with 40 CFR 61, Subpart M. Notify the local air pollution control district/agency and the Contracting Officer in writing 10 working days prior to the commencement of work in accordance with 40 CFR 61, Subpart M. Comply with federal, state, and local hauling and disposal regulations. In addition to the requirements of the "Contract Clauses," conform to the safety requirements contained in ASSE/SAFE A10.6. Comply with the Environmental Protection Agency requirements specified. Use of explosives will not be permitted.

1.8.1 Dust and Debris Control

Prevent the spread of dust and debris to occupied portions of the building and avoid the creation of a nuisance or hazard in the surrounding area. Do not use water if it results in hazardous or objectionable conditions such as, but not limited to, flooding or pollution. Vacuum and dust the work area daily.

1.9 PROTECTION

1.9.1 Traffic Control Signs

Where pedestrian and driver safety is endangered in the area of removal work, use traffic barricades with flashing lights Anchor barricades in a manner to prevent displacement by wind. Notify the Contracting Officer prior to beginning such work.

1.9.2 Protection of Personnel

Before, during and after the demolition work continuously evaluate the condition of the structure being demolished and take immediate action to protect all personnel working in and around the project site. No area, section, or component of floors, roofs, walls, columns, pilasters, or other structural element will be allowed to be left standing without sufficient bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area.

1.10 FOREIGN OBJECT DAMAGE (FOD)

Aircraft and aircraft engines are subject to FOD from debris and waste material lying on airfield pavements. Remove all such materials that may appear on operational aircraft pavements due to the Contractor's operations. If necessary, the Contracting Officer may require the Contractor to install a temporary barricade at the Contractor's expense to control the spread of FOD potential debris. The barricade shall include a fence covered with a fabric designed to stop the spread of debris. Anchor the fence and fabric to prevent displacement by winds or jet/prop blasts. Remove barricade when no longer required.

1.11 RELOCATIONS

Perform the removal and reinstallation of relocated items as indicated with workmen skilled in the trades involved. Repair or replace items to be relocated which are damaged by the Contractor with new undamaged items as approved by the Contracting Officer.

1.12 EXISTING CONDITIONS

Before beginning any demolition or deconstruction work, survey the site and examine the drawings and specifications to determine the extent of the work. Record existing conditions in the presence of the Contracting Officer showing the condition of structures and other facilities adjacent to areas of alteration or removal. Photographs sized 4 inch will be acceptable as a record of existing conditions. Include in the record the elevation of the top of foundation walls, finish floor elevations, possible conflicting electrical conduits, plumbing lines, alarms systems, the location and extent of existing cracks and other damage and description of surface conditions that exist prior to starting work. It is the Contractor's responsibility to verify and document all required outages which will be required during the course of work, and to note these outages on the record document. Submit survey results.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 STRUCTURES

a. Remove existing structures as indicated in drawings.

b. Deconstruct structures in a systematic manner as indicated in the contract drawings.

c. Locate demolition and deconstruction equipment throughout the structure and remove materials so as to not impose excessive loads to supporting structure.

d. Building, or the remaining portions thereof, may be demolished by the mechanical method of demolition.

3.1.1 Utilities and Related Equipment

3.1.1.1 General Requirements

Do not interrupt existing utilities serving occupied or used facilities, except when authorized in writing by the Contracting Officer. Do not interrupt existing utilities serving facilities occupied and used by the Government except when approved in writing and then only after temporary utility services have been approved and provided. Do not begin demolition or deconstruction work until all utility disconnections have been made. Shut off and cap utilities for future use, as indicated.

3.1.1.2 Disconnecting Existing Utilities

Remove existing utilities, as indicated and terminate in a manner conforming to the nationally recognized code covering the specific utility and approved by the Contracting Officer. When utility lines are encountered but are not indicated on the drawings, notify the Contracting Officer prior to further work in that area.

3.1.2 Miscellaneous Metal

Recycle shop-fabricated items such as doors, steel gratings, metal ladders,

wire mesh partitions, metal railings, metal windows and similar items as whole units. Recycle light-gage and cold-formed metal framing, such as steel studs, steel trusses, metal gutters, roofing and siding, metal toilet partitions, toilet accessories and similar items. Recycle scrap metal as part of demolition and deconstruction operations. Provide containers to collect recycled materials and transport to a recycling facility, in accordance with the Waste Management Plan.

3.1.3 Plastics

Recycle plastic items, such as fluorescent light panel plastic covers, when practical.

3.1.4 Carpentry

Recycle lumber, millwork items, and finished boards, and sort by type and size. Remove windows, doors, frames, and cabinets, and similar items as whole units, complete with trim and accessories.

3.1.5 Acoustic Ceiling Tile

Remove, neatly stack, and recycle acoustic ceiling tiles.

3.1.6 Patching

Where removals leave holes and damaged surfaces exposed in the finished work, patch and repair these holes and damaged surfaces to match adjacent finished surfaces, using on-site materials when available. Where new work is to be applied to existing surfaces, perform removals and patching in a manner to produce surfaces suitable for receiving new work. Finished surfaces of patched area shall be flush with the adjacent existing surface and shall match the existing adjacent surface as closely as possible as to texture and finish. Patching shall be as specified and indicated, and shall include:

3.1.7 Air Conditioning Equipment

Remove and recycle air conditioning, refrigeration, and other equipment containing refrigerants without releasing chlorofluorocarbon refrigerants to the atmosphere in accordance with the Clean Air Act Amendment of 1990. Recover all refrigerants prior to removing air conditioning, refrigeration, and other equipment containing refrigerants and dispose of in accordance with the paragraph entitled "Disposal of Ozone Depleting Substance (ODS)."

3.1.8 Cylinders and Canisters

Remove and recycle all fire suppression system cylinders and canisters and dispose of in accordance with the paragraph entitled "Disposal of Ozone Depleting Substance (ODS)."

3.1.9 Locksets on Swinging Doors

Salvage all locksets from all swinging doors indicated to be removed and disposed of

3.1.10 Mechanical Equipment and Fixtures

Disconnect and recycle mechanical hardware at the nearest connection to existing services to remain, unless otherwise noted Disconnect and

recycle mechanical equipment and fixtures at fittings. Remove service valves attached to the unit.

3.1.10.1 Preparation for Storage

Remove water, dirt, dust, and foreign matter from units; tanks, piping and fixtures shall be drained; interiors, if previously used to store flammable, explosive, or other dangerous liquids, shall be steam cleaned. Seal openings with caps, plates, or plugs. Secure motors attached by flexible connections to the unit. Change lubricating systems with the proper oil or grease.

3.1.10.2 Piping

Disconnect and recycle piping at unions, flanges and valves, and fittings. If the piping that remains can become pressurized due to upstream valve failure, end caps, blind flanges, or other types of plugs or fittings with a pressure gage and bleed valve shall be attached to the open end of the pipe to ensure positive leak control. Carefully dismantle piping that previously contained gas, gasoline, oil, or other dangerous fluids, with precautions taken to prevent injury to persons and property. Store piping outdoors until all fumes and residues are removed. Recycle sprinkler heads, prefabricated supports, hangers, plates, valves, and specialty items according to size and type.

3.1.10.3 Ducts

Classify removed duct work as scrap metal.

3.1.10.4 Fixtures, Motors and Machines

Remove and recycle fixtures, motors and machines associated with plumbing, heating, air conditioning, refrigeration, and other mechanical system installations. Recycle auxiliary units and accessories with the main motor and machines.

3.1.11 Electrical Equipment and Fixtures

Recycle motors, motor controllers, and operating and control equipment that are attached to the driven equipment. Recycle wiring systems and components. Box loose items and tag for identification. Disconnect primary, secondary, control, communication, and signal circuits at the point of attachment to their distribution system.

3.1.11.1 Fixtures

Remove and recycle electrical fixtures. Recycle unprotected glassware from the fixture and recycle separately. Recycle incandescent, mercury-vapor, and fluorescent lamps and fluorescent ballasts manufactured prior to 1978, boxed and tagged for identification, and protected from breakage.

3.1.11.2 Electrical Devices

Remove and recycle switches, switchgear, transformers, conductors including wire and nonmetallic sheathed and flexible armored cable, regulators, meters, instruments, plates, circuit breakers, panelboards, outlet boxes, and similar items. Box and tag these items for identification according to type and size.

3.1.11.3 Wiring Ducts or Troughs

Remove and recycle wiring ducts or troughs. Dismantle plug-in ducts and wiring troughs into unit lengths. Remove plug-in or disconnecting devices from the busway and store separately.

3.1.11.4 Conduit and Miscellaneous Items

Recycle conduit except where embedded in concrete or masonry. Consider corroded, bent, or damaged conduit as scrap metal. Sort straight and undamaged lengths of conduit according to size and type. Classify supports, knobs, tubes, cleats, and straps as debris to be removed and disposed.

3.2 DISPOSITION OF MATERIAL

3.2.1 Title to Materials

Except for salvaged items specified in related Sections, and for materials or equipment scheduled for salvage or reuse by the Government, all materials and equipment removed and not salvaged, shall become the property of the Contractor and shall be removed from Government property. Title to materials resulting from demolition and deconstruction, and materials and equipment to be removed, is vested in the Contractor upon approval by the Contracting Officer of the Contractor's demolition, deconstruction, and removal procedures, and authorization by the Contracting Officer to begin demolition and deconstruction. The Government will not be responsible for the condition or loss of, or damage to, such property after contract award. Showing for sale or selling materials and equipment on site is prohibited.

3.2.2 Salvaged and Recycled Materials and Equipment

Remove materials and equipment that are indicated in drawings to be removed by the Contractor and that are to remain the property of the Government, and deliver to a storage site, as directed within 10 miles of the work site.

a. Salvage items and material identified in the specifications as to be salvaged to the maximum extent possible.

b. Remove salvaged items to remain the property of the Government in a manner to prevent damage, and packed or crated to protect the items from damage while in storage or during shipment. Items damaged during removal or storage must be repaired or replaced to match existing items. Properly identify the contents of containers.

c. Store all materials to be recycled as approved by the Contracting Officer and remove from Government property before completion of the contract. On site sales of recycleable material is prohibited.

d. Remove, capture, and recycle all Class I ODS refrigerants in accordance with the Clean Air Act Amendment of 1990.

3.2.3 Fire Suppression Containers

Deactivate fire suppression system cylinders and canisters with electrical charges or initiators prior to shipment. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders.

3.2.4 Transportation Guidance

Ship all ODS containers in accordance with MIL-STD-129, DLA 4145.25, 49 CFR 173.301, and DOD 4000.25-1-M.

3.2.5 Unsalvageable and Non-Recyclable Material

Dispose of unsalvageable and non-recyclable noncombustible material at the KSC\Schwartz Road Class III Landfill.

3.3 CLEANUP

Remove and transport debris in a manner that prevents spillage on streets or adjacent areas. Apply local regulations regarding hauling and disposal.

3.4 DISPOSAL OF REMOVED MATERIALS

3.4.1 Regulation of Removed Materials

Dispose of debris, rubbish, scrap, and other nonsalvageable or non-recyclable materials resulting from removal operations with all applicable federal, state and local regulations as contractually specified in the Waste Management Plan.

3.4.2 Removal from Government Property

Transport waste materials removed from demolished and deconstructed structures from Government property for legal disposal.

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ASBESTOS ABATEMENT

PART 1 GENERAL

1.1 SUMMARY

This section specifies the asbestos abatement requirements and the Contractor's applicable asbestos procedures, which include demolition, salvage, or recycling of structures where asbestos is present, removal or encapsulation of materials containing asbestos, construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof, that contain asbestos, installation of products containing asbestos, asbestos spill/emergency cleanup, transportation, disposal, storage, containment of and housekeeping activities involving asbestos or products containing asbestos, on the site or location at which construction activities are performed.

Under OSHA, Asbestos Abatement work is categorized into four classes:

Class I Work: Activities involving the removal of Thermal System Insulation (TSI) and surfacing Asbestos Containing Materials (ACM) and Presumed Asbestos Containing Material (PACM).

Class II Work: Activities involving the removal of ACM that is not TSI or surfacing material. This includes wallboard, floor tile and sheeting, roofing, siding, shingles, and construction mastics.

Class III Work: Repair and Maintenance operations, where ACM, including TSI and surfacing ACM and PACM, is likely to be disturbed.

Class IV Work: Maintenance and custodial activities during which employees contact but do not disturb ACM or PACM and activities to clean up dust, waste, and debris from Class I,II, and III activities.

Conduct abatement work in accordance with the Class I, II, III, or IV Methods of Compliance as required by 29 CFR 1910,29 CFR 1926, 40 CFR 61-SUBPART M, 49 CFR 171, 49 CFR 172, FAC CHAPTER 62-257, and FL-STAT 469. Submit all required training certifications prior to commencement of work.

1.2 DEFINITIONS

FLAC - Florida Licensed Asbestos Consultant as defined within the FL-STAT 469 ASBESTOS ABATEMENT.

IH - Kennedy Space Center Industrial Hygienist. This person can be either a Government Civil Servant or an authorized Government Contractor. This person is responsible for the oversight, approval of the abatement procedures and the health, safety, and welfare of those who it effects.

1.3 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

COMPRESSED GAS ASSOCIATION (CGA)

CGA G-7.1	(2004) Commodity Specification for Air

FLORIDA ADMINISTRATIVE CODE (FAC)

FAC CHAPTER 62-257	Florida Administrative Code, Asbestos Program

FLORIDA STATUTES (FL-STAT)

FL-STAT 469	Asbestos Abatement

JOHN F. KENNEDY SPACE CENTER (KSC)

KNPR 8500.1	KSC Environmental Requirements
KNPR 1840.19	KSC Industrial Hygiene Programs
KNPR 8715.3	KSC Safety Practices Procedural Requirements

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

NIOSH 7400	(1994) Standard Test Method for Asbestos and Other Fibers by PCM
NIOSH 94-113	(1994; 4th Ed) NIOSH Manual of Analytical Methods

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910	Occupational Safety and Health Standards
29 CFR 1926	Safety and Health Regulations for Construction
40 CFR 61-SUBPART M	National Emission Standard for Asbestos
40 CFR 763	Asbestos
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control

approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Submit Work Schedule; G in accordance with the paragraph entitled, "Worker Protection," of this section.

Asbestos Abatement Notice and Checklist

Notification of Demolition/Renovation; G

SD-02 Shop Drawings

Submit items in accordance with the paragraph entitled, "Implementation Plan," of this section.

Coordination Drawings; G

SD-06 Test Reports

Submit the following:

Initial Exposure Assessments in accordance with 29 CFR 1926

Maintain Work Site entry logs of all personnel entering and leaving the regulated work area by the on-site competent person indicating the date and time of entry and egress.

Maintain Waste Inventory of all generated waste drums or containers indicating the location and approximate quantity of material in each container.

SD-07 Certificates

Submit the following certificates:

Asbestos Consultant's License from the State of Florida, Department of Business and Professional Regulation (DBPR)

Asbestos Contractor's License; G or other Contractor license approval from the State of Florida, Department of Business and Professional Regulation (DBPR).

Training Certifications; G, and experience of Contractor's "Competent Person", Supervisor, and workers.

Proficiency Analytical Test Certification

SD-08 Manufacturer's Instructions

Submit Material Safety Data Sheets in accordance with the paragraph entitled, "Licenses Permits, and Notices," of this section.

Submit Implementation Plan; G as identified in paragraph entitled, "Implementation Plan," prior to initial site set-ups or start of work.

SD-11 Closeout Submittals

Within 10 days after the completion of work, submit to the Contracting Officer a written summary and copies of the following items:

Notification of Demolition/Renovation.

Waste Disposal Permit and all Disposal Shipping Manifests and Tickets.

Daily site inspection logs and negative pressure logs.

Air Monitoring Reports or Independent Monitoring Data conducted during the abatement.

Calibration Records; G for sampling equipment taken before and after each air sample.

Entry logs maintained during the abatement task.

1.5 LICENSES PERMITS, AND NOTICES

Ensure that the FLAC possesses a current license and comply with all Federal, State and Local Regulations. Only those consultants who are certified and licensed by DBPR are permitted to perform Asbestos Surveys or abatement specifications and plans as per Florida Statute 469.

Contractor's possession of a current Asbestos Contractor's License is mandatory, as well as securing all necessary licenses and permits associated with asbestos removal, transportation, and disposal as may be required by Federal, State, and local regulations. Only those Contractors who are certified and licensed by the State of Florida DBPR will be permitted to perform asbestos abatement activities at Kennedy Space Center.

A Waste Disposal Permit and all Disposal Shipping Manifests and Tickets are to be obtained.

Submit the following certificates:

Certification of participation in a Proficiency Analytical Test (PAT) program such as or equivalent to the American Industrial Hygiene Association PAT or Asbestos Analytical Registry (AAR) accreditation certificate and Interlab QA/QC Program participation for the independent air monitoring agency selected by the Contractor before starting work.

Training Certifications and accreditation certificates for the independent air monitoring agency's on-site personnel and a copy of independent air monitoring agency's Quality Control Program.

Certification documents by the Contractor verifying that employees have been provided current respirator fit test, training, and medical examinations in compliance with 29 CFR 1926.

Material safety data sheets as required for materials to be used on the specified project.

1.5.1 Notification

Submit Florida Department of Environmental Protection (DEP) "Notice of Demolition or Asbestos Renovation" (DEP Form 62-257.900(1)) to DEP District Office a minimum of 14 days before the start of work. A copy of the notification is to be provided to the Government as part of the Implementation Plan.

1.6 IMPLEMENTATION PLAN

Prepare and submit a detailed, written Implementation Plan created, signed and sealed by an FLAC to the Government for approval, prior to the start of work, that includes the following:

Coordination drawings including site specific drawings of proposed work areas, clean room/change areas, mini-enclosures, shower, equipment room, waste loading/staging areas, locations of High Efficiency Particulate Air (HEPA) filtered negative pressure devices and exhaust points, work areas, emergency egress, and areas to be modified.

A copy of the applicable DEP Notification of Demolition/Renovation (DEP Form 62-257.900(1)).

Plan of Action, including proposed procedures to be used in complying with the requirements of this specification, 29 CFR 1926,and other applicable regulatory requirements, sequence of asbestos abatement work, the interfaces of trades involved in the performance of work, posting of licenses, permits, etc., methods to be used to assure the safety of building occupants and visitors to the site, disposal plan including location of approved disposal site, a detailed description of the methods employed to control pollution, and a detailed work schedule. Expand upon the method for removal of ACM, the use of portable HEPA ventilation systems, method of removal to prohibit visible emissions in the work area, and packaging of removed debris.

Details of the decontamination areas and procedures, locations of staging areas, posting of warning signs, and details of negative air system to be used in the work area.

Sketch(s) or drawing(s) of complete contract area(s) showing the shower room, clean room, drum staging area, decontamination and work areas, the negative air system, and exits. Indicate designation of the "Competent Person" (CP) and Site Supervisor.

Provide a written Air Monitoring Plan to be prepared under the direction of and signed/stamped by a Certified Industrial Hygienist (C.I.H.)or FLAC specifying the air monitoring criteria and an action plan for implementation by the Competent Person. Identify in the plan the Competent Person to be on site at all times during asbestos abatement operations. The FLAC or his/her representative/competent person is responsible for ensuring applicable regulatory compliance during all phases of the asbestos abatement activities. The competent person has the authority to stop work for unsafe conditions and for not adhering to applicable regulations. Provide a qualified back-up person in the event that the Competent Person is absent from job site.

Provide certification that the Contractor, his staff, and abatement workers (including Supervisors) have attended and successfully completed (an) asbestos abatement course(s) including refresher courses as set forth in

FL-STAT 469 and in accordance with 29 CFR 1926 and 40 CFR 763.

Provide a Respiratory Protection Program in accordance with 29 CFR 1910 including training in the care, use, and maintenance of respirators and fit test certification.

Provide a written description of respiratory equipment (name, type, model number) and protective clothing provided to the abatement workers.

Provide documentation that all personnel assigned to the abatement project have been examined annually by a physician. Submit the physician's written opinion containing the results of the employee's medical examination in compliance with 29 CFR 1926. Establish, maintain, and make readily available for review all Work site entry logs.

Procedures for enforcement of Personal Hygiene Practices.

Prepare and submit a Contingency Plan for emergencies including fire, accident, power failure, heating or cooling, negative air system failure, respirator supplied air system failure, or any other event that may require modification of the work area isolation procedures. Include in the plan specific procedures for decontamination or work area isolation, safe exiting, and the need for medical attention in the event of an emergency

Submit any additional procedures (fall protection, confined space, etc.) and policies that are in effect to ensure worker safety and environmental, KNPR 8500.1, KNPR 8715.3, and federal and state) requirements are met.

Submit the Implementation Plan to the Government for review and approval Commencement of work will not be permitted until the Implementation Plan is given final approval.

1.7 AIR MONITORING REPORTS

Obtain the services of an independent Air Monitoring Agency accredited by the American Industrial Hygiene Association (AIHA), for analysis of airborne asbestos concentration levels, and submittal of Independent Monitoring Data. Provide a copy of the monitoring agency's Quality Control Program to the Contracting Officer prior to commencement of the abatement activities. Ensure the individual performing the on-site air monitoring meets the requirements as set forth in FL-STAT 469, 29 CFR 1926, and 40 CFR 763, and performs sample collections in accordance with the approved Air Monitoring Plan.

Perform all Air Monitoring under the direction of the FLAC using an independent Air Monitoring Contractor, in compliance with Florida Statute 469 requirements.

Calibrate pumps before and after each air sample and submit calibration records to the Government.

Keep daily air monitoring reports onsite. Include in the Air Monitoring Report the following information for each sample:

Sample identification, Sample location,

Employee Name,

Description of task being monitored,

Exposure level results in (f/cc),

Monitoring instrument identification number,

Pre-calibration, post calibration, and average flow rate of each sample,

Sample date, start and stop times,

Type of protective devices worn (if any),

Project identification number, Facility number and name,

Sampling and Analytical Methods used,

Contact name and company, and name of individual performing the sampling.

1.7.1 Air Sample Analytical Method

Airborne fiber sampling and analytical procedures are to be analyzed by Phase Contrast Microscopy (PCM) in accordance with 29 CFR 1926 and NIOSH 94-113 7400 method.

1.7.2 Air Sampling Rate, Volumes and Frequency

Conduct daily monitoring utilizing sample rates, volumes and frequency in accordance with 29 CFR 1926 and retain for final submittal at closeout. The minimum number of samples or sample volumes may not be less than those specified below:

Type of Sample	Volume	Minimum No. Samples	Location
Prior to set-up (within 24 hrs)	1200L	2	Regulated Area
Personal, During work	400L	2	Personal B.Z.
Area samples, Adjacent to work area.	1200L	2	Regulated Area
Area samples at Negative Air Unit Exhaust.	1200L	1	In area of outlets

NOTE: The Contractor will perform air sampling outside the regulated work area.

1.8 WORKER PROTECTION

Perform Initial Exposure Assessments and Employee Exposure Monitoring in accordance with 29 CFR 1926, part 1926.1101, with input and approval of the FLAC.

Select and provide respiratory protection to employees and ensure they are utilized in accordance with 29 CFR 1926.

Submit the Work schedule indicating the work days, hours, and the number of workers per shift. Include a bar chart to identify the individual milestones through to the completion of the project (i.e., number of days

to complete work site preparation, number of days to complete ACM removal, number of days to complete final cleaning and lockdown, etc.).

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 WORK AREA PREPARATION

The Government will re-arrange equipment and storage areas to the extent of providing a direct and unobstructed path to the work area(s). During ACM removal, confine equipment and employees to the designated work area(s).

The Contractor is to establish and maintain a 25-foot access control barrier zone(s) around the designated work area(s). Interference with the functional operation of the building occupants outside these areas is not permitted

Ensure all building supply and return air ducts from the mechanical system are isolated to eliminate air flow into or out of containment area(s).

3.1.1 Pre-Cleaning

Shut down HVAC systems and seal all critical barriers prior to initiating pre-cleaning actions. Seal, with 6 mil minimum thickness plastic sheeting, all openings, including but not limited to, windows, corridors, doorways, elevator openings, skylights, ducts, grilles, diffusers, and any other penetrations between the contaminated work areas and uncontaminated areas.

Pre-clean all movable objects identified as contaminated within the work area using a HEPA filtered vacuum and wet cleaning methods as appropriate. Remove these objects after cleaning and store in a protected area.

Pre-clean all surfaces in the work area using HEPA filtered vacuums and/or wet cleaning methods as appropriate. Methods that would raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters, are PROHIBITED. Pay detailed attention to machinery or areas behind grilles and gratings.

Do not remove or otherwise disturb asbestos containing building materials during the pre-cleaning phase.

3.1.2 Work Area(s)

Inform all other Contractors and personnel on the site of the abatement work of the nature of the Contractor's work with ACM and/or PACM, of the existence of and requirements pertaining to regulated areas, and the measures taken to ensure that employees of other Contractor employers are not exposed to asbestos in accordance with 29 CFR 1926.

Use industry controls and work practice methods in accordance with 29 CFR 1926. Ensure daily site inspection logs are posted at the jobsite by the on-site competent person.

Use flame resistant, 6 mil polyethylene sheeting when constructing Negative Pressure Enclosures (NPE) or decontamination areas.

3.2 WASTE LOAD-OUT UNIT

Establish a waste load-out unit to provide for interim secure storage. Include an equipment room for storage of asbestos-contaminated items (drums, tools, equipment). Decontaminate all equipment and waste containers prior to being taken out of the work area(s).

All asbestos-containing waste material is to be sealed in leak-tight disposal containers. Thoroughly wet all waste within the disposal containers. Maintain proper labeling protocols for all running and final inventory of filled disposable containers.

3.3 SIGNS AND MARKINGS

Post signs prior to commencing asbestos work as required in 29 CFR 1926. Post signs at the perimeter of the asbestos work areas, along the route of the temporary waste material holding (Drum Staging) area, and at all entrances to asbestos work areas. Ensure signs are conspicuous and legible.

Post telephone numbers and locations of emergency services including, but not limited to, fire, ambulance, doctor, and hospital, at the regulated area.

Post one copy of all permits at the work site perimeter in a accessible location outside the regulated area.

Post one copy of the Abatement Contractors current license at the work site perimeter in a accessible location outside the regulated area.

Post hazard communication notification signs in accordance with KNPR 1840.19 requirements.

3.4 NEGATIVE AIR SYSTEM

Construct Negative Pressure Enclosures (NPE's) as required by 29 CFR 1926.

Duct each of the negative air units through the containment barrier walls to the outside of the work area(s). When the building is occupied, ensure that the ducts exhaust into the outside air; otherwise, they may exhaust into an area of the building beyond the critical barriers. Never exhaust the units into the work area(s).

Provide each unit with temporary back-up electrical power (120 Volt AC) in the event of power failures or outages.

3.4.1 Testing

Design the negative air system to provide a minimum of four (4) air changes per hour and test before any work is begun. After the work area has been prepared, the decontamination unit set up, and the negative air units(s) installed, test the system. Prior to beginning abatement activities, an Asbestos Abatement Pre-Work Inspection checklist (KSC Form 28-1230NS) will be completed by the KSC IH to verify the adequacy of the containment system and work area. Once activated, ensure the negative air exhaust unit(s) remain in operation until final clearance air monitoring has been performed and the KSC IH has approved their shutdown/removal. Maintain daily negative pressure logs for review by the FLAC and submit as part of the closeout documents.

Install a differential pressure meter or manometer to continuously measure pressure differential between inside and outside the work area for all Class I activities which utilize a NPE. Maintain a minimum pressure differential of 0.02 inch of water column.

3.5 RESPIRATORY PROTECTION

Instruct and train each worker involved in asbestos abatement in proper respirator use and care. Fit all respirators by approved qualitative or quantitative test. Use respiratory protection appropriate for the fiber level encountered in the Work Area and as specified herein, or as required for other situations encountered.

3.5.1 Air Quality for Supplied Air Respiratory Systems

The Contractor is to provide air used for breathing in Type "C" supplied air respiratory systems that meets or exceeds CGA G-7.1, standards for Grade D air.

3 6 REMOVAL OF ASBESTOS

Use industry controls and work practices for all operations in accordance with 29 CFR 1926 Methods of Compliance for Class I, II, III, or IV asbestos work. The FLAC or his/her representative are responsible for these practices.

Ensure all Class I, II, III and IV work is supervised by an on site Competent Person at all times that work is in progress.

Following removal of contaminated items and asbestos material, seal the edges of adjacent surfaces, which were exposed when asbestos was removed, with an asbestos bridging sealant/encapsulant.

3.7 DAILY HOUSEKEEPING

Maintain a clean work area in accordance with 29 CFR 1926. Perform the following housekeeping functions at the end of each shift or prior to leaving the work site unattended:

a. Prepare contaminated waste for disposal by packaging the waste and removing it from the work area.

b. HEPA vacuum the work area.

c. Visually inspect polyethylene in the work area and other high traffic areas.

3.8 CLEANING PROCEDURES

Clean the work area at the end of each day's abatement activities. Designate a separate, secured area within the work area for storage of debris until it can be properly disposed. Secure the work area after termination of the work day to prevent entry. Regularly dispose and replace disposable supplies, such as mop heads, sponges, and rags. Clean all equipment by HEPA vacuuming and wet wiping.

Clean all work areas in which abatement operations have been completed, starting at the ceiling and working down to the floors, by HEPA vacuuming and wet wiping. Prior to removal of worksite access controls and

re-occupancy inspection by the Government, and upon satisfactory final clearance air sampling, and removal of polyethylene sheeting, perform a final cleaning (wet wipe) of all surfaces within the work area.

3.9 INSPECTION

Do not commence removal of asbestos materials prior to satisfactory concurrence to proceed on the Asbestos Abatement Pre-Work Inspection (checklist KSC Form 28-1230NS).

3.9.1 Initial Inspection

The Contractor will conduct a walk-through of the work area prior to beginning the abatement work to review existing conditions and ensure safe and practical conditions for the work to be implemented. Any damage to structures, surfaces, and equipment, which could be misconstrued as damage resulting from work, is to be documented by the Contractor and immediately submitted to the Contracting Officer.

Perform background sampling for work areas in accordance with 29 CFR 1926 prior to beginning the abatement work.

3.9.2 Daily Inspection

Maintain a work site entry log of all personnel who enter the regulated work area. Through continuous surveillance and inspections of the worksite, ensure the integrity of containment, proper function of the negative pressure system, and posting of signs and labels. Also ensure, through frequent inspections during each work shift, that negative pressure is maintained, appropriate work practices are followed, appropriate protective clothing and equipment are used, and worker decontamination procedures are being followed.

Ensure that critical barriers and negative pressure enclosures remain effectively sealed and taped. Take immediate action to remedy defects immediately upon discovery. Details of the inspections are to be included in the Contractor's daily inspection log and posted in an accessible location outside the regulated area.

NASA/Kennedy Space Center reserves the right to conduct periodic inspections and air monitoring in the work area(s). If the work area is unsafe as determined by the Government, the Contracting Officer will require the Contractor to stop work until the unsafe conditions are corrected.

3.9.3 Final Inspection

The thoroughness of asbestos removal is to be evaluated by visually inspecting the affected surfaces for residual asbestos material and accumulated dust followed by air sampling. Evidence of residual asbestos or asbestos debris on any adjacent surfaces upon completion of the work is not acceptable.

Upon completion of the work, conduct a thorough visual inspection of the work area by the Abatement Contractor to ensure no residual asbestos material, dust or debris remains. Document final inspections on the Asbestos Abatement Clearance Inspection Checklist (KSC Form 28-1231NS).

If applicable, final aggressive air sampling is to be performed for each

NPE work area after completion of a satisfactory visual inspection. The clearance criteria is 0.01 fibers per cubic centimeter (f/cc) of air as determined by PCM. Satisfactory fiber counts from all final samples are to be less than 0.01 f/cc. If any of the final air samples contain greater than 0.01 f/cc, repeat the final cleaning operation and re-test the area until satisfactory clearance levels are obtained.

Collect five (5) PCM final air samples for the first 5,000 square feet of containment plus one (1) additional PCM final air sample for each additional 5,000 square feet or one (1) air sample per room, whichever is greater. The number of final air samples may be reduced for small enclosures of less than approximately 2500 square feet. In no case may fewer than two (2) final samples be collected for any enclosure.

Ensure clearance air sample volumes meet the minimum volumes as indicated for analysis by NIOSH 7400 method.

3.10 ASBESTOS WASTE AND CONTAMINATED MATERIALS

3.10.1 Removal of Asbestos Waste Materials

For purposes of this paragraph, asbestos waste materials are defined as those materials which contain or have been contaminated by asbestos and are not planned to be encapsulated and remain at the job site. They are primarily removed asbestos, disposable clothing and safety equipment, polyethylene sheeting, contaminated amended water, vacuum cleaner contents, and filtration media.

Contain all asbestos waste material in two (2) 6 mil polyethylene disposal bags, or two (2) 6 mil disposal bags and a sealed leak-tight container such as, but not limited to, a steel or fiberboard drum. Pack the asbestos waste material while still wet. Clean the external surface of the waste containers by HEPA vacuuming and wet wiping before moving from the work area. Protect the interior of truck or dumpster with two layers of polyethylene sheeting.

3.10.1 1 Waste Inventory

Label and clearly mark all disposal containers, dumpsters, and trucks, in accordance with 40 CFR 61-SUBPART M, 29 CFR 1910 of OSHA's Hazard Communications Standard, and 49 CFR 171 and 49 CFR 172, Hazardous Substances.

Provide conspicuous, legible labels, affixed to plastic bags and drums indicating the name of the waste generator and the location (facility name and number) where the waste was generated.

For non-regulated asbestos that will be disposed at the KSC/Schwartz Road Class III Landfill, provide a completed landfill disposal verification form (KSC Form 28-1064NS) and send to the Contracting Officer. NOTE: Regulated ACM is not permitted for disposal at KSC/Schwartz Road Landfill. Regulated ACM shall be disposed of at the Brevard County Landfill. KSC/Schwartz Road Landfill has limited hours of operation.

Provide a Waste Shipment Record (WSR) to the Contracting Officer in accordance with the instructions in 40 CFR 61-SUBPART M.

3.10.2 Work Area Disposal

After final inspection has been completed and the work area is released for occupancy, shut off and remove the Negative Air System units. Unseal all entrances and exits. Dispose of all plastic sheeting, tape, and any other trash and debris, except for critical barriers, in sealable plastic bags, or in drums and moved to the staging area. After final wet wipe of the work area and satisfactory clearance air sampling, dismantle critical barriers and the decontamination unit.

3.10.3 Decontamination Area And Support Area Disposal

Dismantle the decontamination area after the work area is released for re-occupancy. Vacuum all surfaces of the decontamination unit before it is disassembled.

3.11 WASTE TRANSPORTATION AND DISPOSAL

Transport and dispose of asbestos waste in full compliance with 40 CFR 61-SUBPART M, SUBPART A, 49 CFR 171 and 49 CFR 172.

3.12 ASBESTOS ABATEMENT NOTICE AND CHECKLIST

Submit an Asbestos Abatement Pre-Work Inspection form (KSC Form 28-1230NS) and an Asbestos Abatement Clearance Checklist (KSC Form 28-1231NS). Send copies to the Contracting Officer upon satisfactory completion of the work. Notify the Contracting Officer at least three days prior to the planned commencement of work. Coordinate and schedule all Pre-Work and Clearance Site inspections with the Contracting Officer. The completed forms are to be used to establish approval of the containment, work practices and final acceptance/re-occupancy of the work area(s).

3.13 FINAL ACCEPTANCE

The work will not be considered complete until the asbestos materials identified herein have been abated, the areas cleaned, satisfactory clearance air monitoring completed, all asbestos contaminated waste has been properly disposed of, and all project close out documents have been received and approved by the Contracting Officer.

-- End of Section --

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SECTION 02 82 33.13 20

REMOVAL/CONTROL AND DISPOSAL OF PAINT WITH LEAD

PART 1 GENERAL

1 1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA)

AIHA Z88.6	(2006) Respiratory Protection - Respirator Use-Physical Qualifications for Personnel

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)

HUD 6780	(1995; Errata Aug 1996;Rev Ch. 7 - 1997) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing

JOHN F. KENNEDY SPACE CENTER (KSC)

KNPR 1840.19	KSC Industrial Hygiene Programs
KNPR 8500.1	KSC Environmental Requirements
KNPR 8715.3	KSC Safety Practices Procedural Requirements

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1926.103	Respiratory Protection
29 CFR 1926 21	Safety Training and Education
29 CFR 1926 33	Access to Employee Exposure and Medical Records
29 CFR 1926.55	Gases, Vapors, Fumes, Dusts, and Mists
29 CFR 1926.59	Hazard Communication
29 CFR 1926 62	Lead
29 CFR 1926.65	Hazardous Waste Operations and Emergency Response
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable to Generators of Hazardous Waste

40 CFR 745 Lead-Based Paint Poisoning Prevention in Certain Residential Structures

UNDERWRITERS LABORATORIES (UL)

UL 586 (2009) Standard for High-Efficiency Particulate, Air Filter Units

1.2 DEFINITIONS

1.2.1 Abatement

"Abatement" means any set of measures designed to permanently eliminate lead-based paint hazards in accordance with standards established by appropriate Federal agencies. Such term includes:

a. The removal of lead-based paint and lead-contaminated dust, the permanent containment or encapsulation of lead-based paint, the replacement of lead-painted surfaces or fixtures, and the removal or covering of lead contaminated soil; and

b. All preparation, cleanup, disposal, and post-abatement clearance testing activities associated with such measures.

c. Paint with lead shall include the RCRA 8 heavy metals - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver.

1.2.2 Action Level

Employee exposure, without regard to use of respirators, to an airborne concentration of lead of 30 micrograms per cubic meter of air averaged over an 8 hour period in a work environment.

1.2.3 Area Sampling

Sampling of lead concentrations within the lead control area and inside the physical boundaries, which is representative of the airborne lead concentrations but is not collected in the breathing zone of personnel.

1.2.4 Competent Person (CP)

As used in this section, refers to a person employed by the Contractor who is trained in the recognition and control of lead hazards in accordance with current federal, State, and local regulations. A Certified Industrial Hygienist (CIH) certified for comprehensive practice by the American Board of Industrial Hygiene is the best choice.

1.2.5 Contaminated Room

Refers to a room for removal of contaminated personal protective equipment (PPE).

1.2.6 Decontamination Shower Facility

That facility that encompasses a clean clothing storage room, and a contaminated clothing storage and disposal rooms, with a shower facility in between.

1.2.7 Deleading

Activities conducted by a person who offers to eliminate lead-based paint or lead-based paint hazards or to plan such activities in commercial buildings, bridges or other structures.

1.2 8 Eight-Hour Time Weighted Average (TWA)

Airborne concentration of lead to which an employee is exposed, averaged over an 8 hour workday as indicated in 29 CFR 1926.62.

1.2.9 High Efficiency Particulate Air (HEPA) Filter Equipment

HEPA filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining lead-contaminated paint dust. A high efficiency particulate filter means 99.97 percent efficient against 0.3 micron or larger size particles.

1.2.10 Lead

Metallic lead, inorganic lead compounds, and organic lead soaps.

1.2.11 Lead-Based Paint (LBP)

Paint or other surface coating that contains lead.

1 2.12 Lead-Based Paint Activities

Lead-based paint activities include; a lead-based paint inspection and abatement of lead-based paint hazards.

1.2.13 Lead-Based Paint Hazard (LBP Hazard)

Any condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, lead-based paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects.

1.2.14 Paint with Lead (PWL)

Any paint that contains lead as determined by the testing laboratory using a valid test method. The requirements of this section does not apply if no detectable levels of lead are found using a quantitative method for analyzing paint using laboratory instruments with specified limits of detection (usually 0.01 percent). An X-Ray Fluorescence (XRF) instrument is not considered a valid test method.

1.2.15 Lead Control Area

A system of control methods to prevent the spread of lead dust, paint chips or debris to adjacent areas that may include temporary containment, floor or ground cover protection, physical boundaries, and warning signs to prevent unauthorized entry of personnel. HEPA filtered local exhaust equipment may be used as engineering controls to further reduce personnel exposures or building/outdoor environmental contamination.

1.2.16 Lead Permissible Exposure Limit (PEL)

Fifty micrograms per cubic meter of air as an 8 hour time weighted average

as determined by 29 CFR 1926.62. If an employee is exposed for more than eight hours in a workday, the PEL shall be determined by the following formula:

PEL (micrograms/cubic meter of air) = 400/No. hrs worked per day

1.2.17 Personal Sampling

Sampling of airborne lead concentrations within the breathing zone of an employee to determine the 8 hour time weighted average concentration in accordance with 29 CFR 1926.62. Samples shall be representative of the employees' work tasks. Breathing zone shall be considered an area within a hemisphere, forward of the shoulders, with a radius of 6 to 9 inches and centered at the nose or mouth of an employee.

1.2.18 Physical Boundary

Area physically roped or partitioned off around an enclosed lead control area to limit unauthorized entry of personnel. As used in this section, "inside boundary" shall mean the same as "outside lead control area but inside the physical boundary."

1.3 DESCRIPTION

1.3.1 Description of Work

Remove/control lead-based paint/paint with lead as indicated on the drawings. Remove paint in accordance with this Section and recycle, handle, and/or dispose of materials with lead paint in accordance with Federal and State regulations, this Section, and NASA/KSC policy. If a painted surface has not been tested for lead paint, assume lead is present to determine Personnel Protective Equipment (PPE) for workers.

1.3.2 Coordination with Other Work

The contractor shall coordinate with work being performed in adjacent areas. Coordination procedures shall be explained in the Removal/Control Plan and shall describe how the Contractor will prevent lead exposure to other contractors and/or Government personnel performing work unrelated to lead activities.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Respirators; G

Waste Management Plan; G

SD-06 Test Reports

Sampling results; G

Occupational and Environmental Assessment Data Report; G

SD-07 Certificates

Qualifications of CP; G

Testing Laboratory qualifications; G

Occupant Notification; G

Training Certification of workers and supervisors; G

Third Party Consultant Qualifications; G

Lead-based paint/paint with lead removal/control plan including CP approval (signature, date, and certification number); G

Respiratory Protection Program; G

Hazard Communication Program; G

Clearance Certification; G

SD-11 Closeout Submittals

KSC Waste Management Contractor is responsible for disposal of all Hazardous, Controlled, and Universal Wastes.

Certification of Medical Examinations; G

1.5 QUALITY ASSURANCE

1.5.1 Qualifications

1.5.1.1 Qualifications of CP

Submit name, address, and telephone number of the CP selected to perform responsibilities specified in paragraph entitled "Competent Person (CP) Responsibilities." Provide previous experience of the CP. Submit proper documentation that the CP is trained, licensed, and certified in accordance with Federal, State, and local laws.

1.5.1 2 Training Certification

Submit a certificate for each employee and supervisor, signed and dated by the training provider meeting 40 CFR 745 (Subpart L) requirements, stating that the employee or supervisor has received the required lead training and is certified to perform or supervise deleading or lead removal. Submit proof that the work will be performed by a certified firm.

1 5.1.3 Testing Laboratory

Submit the name, address, and telephone number of the testing laboratory selected to perform the air and wipe sampling, testing, and reporting of airborne concentrations of lead. Use a laboratory accredited under the EPA National Lead Laboratory Accreditation Program (NLLAP) by either the American Association for Laboratory Accreditation (A2LA) or the American Industrial Hygiene Association (AIHA) and that is successfully participating in the Environmental Lead Proficiency Analytical Testing (ELPAT) program to perform sample analysis. Laboratories selected to

perform blood lead analysis shall be OSHA approved.

1.5.1.4 Third Party Consultant Qualifications

Submit the name, address, and telephone number of the third party consultant selected to perform the wipe sampling for determining concentrations of lead in dust or soil sampling. Submit proper documentation that the consultant is trained and certified as an inspector technician or inspector/risk assessor by the USEPA authorized State (or local) certification and accreditation program.

1.5.2 Requirements

1.5.2.1 Competent Person (CP) Responsibilities

a. Verify training meets all federal, State, and local requirements.

b. Review and approve lead-based paint/paint with lead removal/control plan for conformance to the applicable standards. Ensure work is performed in strict accordance with specifications at all times.

c. Continuously inspect lead-based paint removal/control work for conformance with the approved plan.

d. Perform air and wipe sampling.

e. Control work to prevent hazardous exposure to human beings and to the environment at all times.

f. Certify the conditions of the work as called for elsewhere in this specification.

1.5.2.2 Lead-Based Paint/Paint with Lead Removal/Control Plan (LBP/PWL R/CP)

Submit a detailed job-specific plan of the work procedures to be used in the removal/control of LBP/PWL. The plan shall include a sketch showing the location, size, and details of lead control areas, location and details of decontamination facilities, viewing ports, and mechanical ventilation system. Include a description of equipment and materials, controls and job responsibilities for each activity from which lead is emitted. Include in the plan, eating, drinking, smoking and sanitary procedures, interface of trades, sequencing of lead related work, collected waste water and paint debris disposal plan, air sampling plan, respirators, personal protective equipment, and a detailed description of the method of containment of the operation to ensure that lead is not released outside the lead control area. Include site preparation, cleanup and clearance procedures. Include occupational and environmental sampling, training, sampling methodology, frequency, duration of sampling, and qualifications of sampling personnel in the air sampling portion of the plan. Include a description of arrangements made among contractors on multi-contractor worksites to inform affected employees and to clarify responsibilities to control exposures.

The Removal/Control Plan shall be developed by a certified planner/project designer.

In occupied buildings, the Removal/Control Plan shall also include an occupant protection program that describes the measures that will be taken during the work to protect the building occupants.

1.5.2.3 Occupational and Environmental Assessment Data Report

If initial monitoring is necessary, submit occupational and environmental sampling results to the Contracting Officer within three working days of collection, signed by the testing laboratory employee performing the analysis, the employee that performed the sampling, and the CP.

In order to reduce the full implementation of 29 CFR 1926.62, the Contractor shall provide documentation. Submit a report that supports the determination to reduce full implementation of the requirements of 29 CFR 1926.62 and supporting the Lead Removal/Control Plan.

a. The initial monitoring shall represent each job classification, or if working conditions are similar to previous jobs by the same employer, provide previously collected exposure data that can be used to estimate worker exposures per 29 CFR 1926.62. The data shall represent the worker's regular daily exposure to lead for stated work.

b. Submit worker exposure data gathered during the task based trigger operations of 29 CFR 1926.62 with a complete process description. This includes manual demolition, manual scraping, manual sanding, heat gun, power tool cleaning, rivet busting, cleanup of dry expendable abrasives, abrasive blast enclosure removal, abrasive blasting, welding, cutting and torch burning where lead containing coatings are present.

c. The initial assessment shall determine the requirement for further monitoring and the need to fully implement the control and protective requirements including the lead compliance plan per 29 CFR 1926.62.

1.5.2.4 Medical Examinations

Initial medical surveillance as required by 29 CFR 1926.62 shall be made available to all employees exposed to lead at any time (1 day) above the action level. Full medical surveillance shall be made available to all employees on an annual basis who are or may be exposed to lead in excess of the action level for more than 30 days a year or as required by 29 CFR 1926.62. Adequate records shall show that employees meet the medical surveillance requirements of 29 CFR 1926.33, 29 CFR 1926.62, and 29 CFR 1926.103. Maintain complete and accurate medical records of employees for a period of at least 30 years or for the duration of employment plus 30 years, whichever is longer.

1.5.2.5 Training

Train each employee performing paint removal, disposal, and air sampling operations prior to the time of initial job assignment and annually thereafter, in accordance with 29 CFR 1926.21, 29 CFR 1926.62, and State and local regulations where appropriate.

1.5.2.6 Respiratory Protection Program

a. Provide each employee required to wear a respirator a respirator fit test at the time of initial fitting and at least annually thereafter as required by 29 CFR 1926.62.

b. Establish and implement a respiratory protection program as required by AIHA Z88.6, 29 CFR 1926.103, 29 CFR 1926.62, and 29 CFR 1926.55.

1.5.2.7 Hazard Communication Program

Establish and implement a Hazard Communication Program as required by 29 CFR 1926.59.

1.5.2.8 Waste Management

The Waste Management Plan shall be in accordance with NASA/KSC policy.

a. Spill prevention, containment, and cleanup contingency measures including a health and safety plan to be implemented in accordance with 29 CFR 1926.65.

b. Work plan and schedule for waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily. Proper containment of the waste includes using acceptable waste containers (e.g., 55-gallon drums) as well as proper marking/labeling of the containers.

1.5.2.9 Environmental, Safety and Health Compliance

In addition to the detailed requirements of this specification, comply with laws, ordinances, rules, and regulations of Federal, State, local authorities, KNPR 1840.19, KNPR 8715.3, and KNPR 8500.1 regarding removing, handling, storing, transporting, and disposing of lead waste materials. Comply with the applicable requirements of the current issue of 29 CFR 1926.62. Submit matters regarding interpretation of standards to the Contracting Officer for resolution before starting work. Where specification requirements and the referenced documents vary, the most stringent requirement shall apply. The following Federal and State laws, ordinances, criteria, rules and regulations regarding removing, handling, storing, transporting, and disposing of lead-contaminated materials apply:

a. 40 CFR 745 (Subpart L)

b. 29 CFR 1926.62

Licensing and certification in the State of Florida is required.

1.5.3 Pre-Construction Conference

Along with the CP, meet with the Contracting Officer to discuss in detail the waste management plan and the lead-based paint/paint with lead removal/control plan, including work procedures and precautions for the removal plan.

1.6 EQUIPMENT

1.6.1 Respirators

Furnish appropriate respirators approved by the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services, for use in atmospheres containing lead dust. Respirators shall comply with the requirements of 29 CFR 1926.62.

1.6.2 Special Protective Clothing

Furnish personnel who will be exposed to lead-contaminated dust with proper disposable protective whole body clothing, head covering, gloves, and foot coverings as required by 29 CFR 1926.62. Furnish proper disposable plastic

or rubber gloves to protect hands. Reduce the level of protection only after obtaining approval from the CP.

1.6.3 Rental Equipment Notification

If rental equipment is to be used during lead-based paint handling and disposal, notify the rental agency in writing concerning the intended use of the equipment.

1.6.4 Vacuum Filters

UL 586 labeled HEPA filters.

1.6.5 Equipment for Government Personnel

Furnish the Contracting Officer with two complete sets of personal protective equipment (PPE) daily, as required herein, for entry into and inspection of the paint removal work within the lead controlled area. Personal protective equipment shall include disposable whole body covering, including appropriate foot, head, and hand protection. PPE shall remain the property of the Contractor. The Government will provide respiratory protection for the Contracting Officer.

1.7 PROJECT/SITE CONDITIONS

1.7.1 Protection of Existing Work to Remain

Perform paint removal work without damage or contamination of adjacent areas. Where existing work is damaged or contaminated, restore work to its original condition or better. Ensure that no paint chips are released to the environment and that there are no emissions from the control area.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 PREPARATION

3.1.1 Protection

3.1.1.1 Notification

a. Notify the Contracting Officer 20 days prior to the start of any paint removal work.

b. Occupant Notification

Submit occupant written acknowledgment of the delivery of lead hazard information pamphlet (EPA 747-K-99-001 "Protect Your Family From Lead in Your Home") prior to commencing the renovation work for each affected unit per 40 CFR 745 Subpart E.

3.1.1.2 Boundary Requirements

a. Provide physical boundaries around the lead control area by roping off the area designated in the work plan or providing curtains, portable partitions or other enclosures to ensure that lead will not escape

outside the lead control area.

b. Warning Signs - Provide warning signs at approaches to lead control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall comply with the requirements of 29 CFR 1926.62.

3.1.1.3 Furnishings

The Government will remove furniture and equipment from the building before lead-based paint removal work begins.

3.1.1.4 Heating, Ventilating and Air Conditioning (HVAC) Systems

Shut down, lock out, and isolate HVAC systems that supply, exhaust, or pass through the lead control areas. Seal intake and exhaust vents in the lead control area with 6 mil plastic sheet and tape. Seal seams in HVAC components that pass through the lead control area.

3.1.1.5 Decontamination Facility

Provide clean and contaminated change rooms and shower facilities in accordance with this specification and 29 CFR 1926.62.

3.1.1.6 Eye Wash Station

Where eyes may be exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes shall be provided within the work area.

3.1.1.7 Mechanical Ventilation System

a. Use adequate ventilation to control personnel exposure to lead in accordance with 29 CFR 1926.62.

b. To the extent feasible, use local exhaust ventilation connected to HEPA filters or other collection systems, approved by the CP. Local exhaust ventilation systems shall be evaluated and maintained in accordance with 29 CFR 1926.62.

c. Vent local exhaust outside the building only and away from building ventilation intakes.

d. Use locally exhausted, power actuated, paint removal tools.

3.1.1.8 Personnel Protection

Personnel shall wear and use protective clothing and equipment as specified herein. Eating, smoking, or drinking or application of cosmetics is not permitted in the lead control area. No one will be permitted in the lead control area unless they have been appropriately trained and provided with protective equipment.

3.2 ERECTION

3.2.1 Lead Control Area Requirements

Full containment - Contain removal operations by the use of critical barriers and HEPA filtered exhaust or a negative pressure enclosure system

with decontamination facilities and with HEPA filtered exhaust if required by the CP. For containment areas larger than 1,000 square feet install a minimum of two 18 inch square viewing ports. Locate ports to provide a view of the required work from the exterior of the enclosed contaminated area. Glaze ports with laminated safety glass.

3.3 APPLICATION

3.3.1 Work Procedures

Perform removal of lead-based paint in accordance with approved lead-based paint/paint with lead removal/control plan. Use procedures and equipment required to limit occupational and environmental exposure to lead when lead-based paint is removed in accordance with 29 CFR 1926.62. Dispose of removed paint chips and associated waste in compliance with Environmental Protection Agency (EPA), State, and local requirements and KSC Special Condition contract clauses.

3 3.2 Lead-Based Paint Removal/Control/Deleading

Manual or power sanding of interior and exterior surfaces is not permitted unless tools are equipped with HEPA attachments or wet methods The dry sanding or grinding of surfaces that contain lead is prohibited. Provide methodology for LBP removal/control in work plan. Remove paint within the areas designated on the drawings in order to completely expose the substrate. Take whatever precautions necessary to minimize damage to the underlying substrate.

Avoid deterioration of the substrate. Provide surface preparations for painting.

Provide methodology for LBP/PWL removal and abatement/control and processes to minimize contamination of work areas outside the control area with lead-contaminated dust or other lead-contaminated debris/waste and to ensure that unprotected personnel are not exposed to hazardous concentrations of lead. Describe this LBP/PWL removal/control process in the LBP/PWL Removal/Control Plan.

3.3.2 1 Indoor Paint Removal

Perform mechanical or chemical paint removal in lead control areas using enclosures, barriers, or containments. Collect residue debris for disposal in accordance with federal, State, and local requirements.

3.3.3 Personnel Exiting Procedures

Whenever personnel exit the lead-controlled area, they shall perform the following procedures and shall not leave the work place wearing any clothing or equipment worn during the work day:

a. Vacuum themselves off.

b. Remove protective clothing in the contaminated change room, and place them in an approved impermeable disposal bag.

c. Shower.

d. Wash hands and face at the site, don appropriate disposable or uncontaminated reusable clothing; move to an appropriate facility;

shower.

e. Change to clean clothes prior to leaving the physical boundary designated around the lead control area.

3.4 FIELD QUALITY CONTROL

3.4.1 Tests

3.4.1.1 Air and Wipe Sampling

Air sample for lead in accordance with 29 CFR 1926.62 and as specified herein. Air and wipe sampling shall be directed or performed by the CP.

a. The CP shall be on the job site directing the air and non-clearance wipe sampling and inspecting the lead-based paint removal/control work to ensure that the requirements of the contract have been satisfied during the entire lead-based paint removal operation.

b. Collect personal air samples on employees who are expected to have the greatest risk of exposure as determined by the CP. In addition, collect air samples on at least 25 percent of the work crew or a minimum of two employees, whichever is greater, during each work shift.

c. Submit results of air samples, within 72 hours after the air samples are taken.

d. Before any work begins, a third party consultant shall collect and analyze baseline wipe samples in accordance with methods defined in federal, State, and local standards inside and outside of the physical boundary to assess the degree of dust contamination in the facility prior to lead-based paint removal/control.

e. Collect surface wipe samples at a location no greater than 10 feet outside the lead control area at a frequency of once per day while lead removal work is conducted. Surface wipe results shall meet criteria in paragraph "Clearance Certification."

3.4.1.2 Air Sampling During Paint Removal Work

Conduct area air sampling daily, on each shift in which lead-based paint removal operations are performed, in areas immediately adjacent to the lead control area. Sufficient area monitoring shall be conducted to ensure unprotected personnel are not exposed at or above 30 micrograms per cubic meter of air. If 30 micrograms per cubic meter of air is reached or exceeded, stop work, correct the conditions(s) causing the increased levels. Notify the Contracting Officer immediately. Determine if condition(s) require any further change in work methods. Removal work shall resume only after the CP and the Contracting Officer give approval. For outdoor operations, at least one sample on each shift shall be taken on the downwind side of the lead control area.

3.4.1.3 Sampling After Paint Removal/Control

After the visual inspection, collect wipe samples according to the HUD protocol contained in HUD 6780 to determine the lead content of settled dust and dirt in micrograms per square foot of surface area.

3.4.1.4 Testing of Removed Paint and Used Abrasive

Test removed paint and used abrasive in accordance with 40 CFR 261 for hazardous waste.

3.5 CLEANING AND DISPOSAL

3.5 1 Cleanup

Maintain surfaces of the lead control area free of accumulations of paint chips and dust. Restrict the spread of dust and debris; keep waste from being distributed over the work area. Do not dry sweep or use compressed air to clean up the area. At the end of each shift and when the paint removal operation has been completed, clean the area of visible lead paint contamination by vacuuming with a HEPA filtered vacuum cleaner, wet mopping the area and wet wiping the area as indicated by the CP. Reclean areas showing dust or residual paint chips or debris. After visible dust, chips and debris is removed, wet wipe and HEPA vacuum all surfaces in the work area. If adjacent areas become contaminated at any time during the work, clean, visually inspect, and then wipe sample all contaminated areas. The CP shall then certify in writing that the area has been cleaned of lead contamination before restarting work.

3.5.1.1 Clearance Certification

The CP shall certify in writing that air samples collected outside the lead control area during paint removal operations are less than 30 micrograms per cubic meter of air; the respiratory protection used for the employees was adequate; the work procedures were performed in accordance with 29 CFR 1926.62 and 40 CFR 745; and that there were no visible accumulations of material and dust containing lead left in the work site. Do not remove the lead control area or roped off boundary and warning signs prior to the Contracting Officer's acknowledgement of receipt of the CP certification.

Certify surface wipe samples are not significantly greater than the initial surface loading determined prior to work.

Clear the lead control area in industrial facilities of all visible dust and debris.

For lead-based paint hazard abatement work, surface wipe sampling shall be conducted and clearance determinations made according to the work practice standards presented in 40 CFR 745 227.

3.5.2 Disposal

a. Collect lead-contaminated waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing that may produce airborne concentrations of lead particles. Label the containers in accordance with 29 CFR 1926.62 and 40 CFR 262. Dispose of lead-contaminated waste material in accordance with NASA/KSC policy.

b. Transport all waste materials in accordance with Federal and State regulations.

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SECTION 02 84 16

HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCBs AND MERCURY

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910.1000	Air Contaminants
40 CFR 260	Hazardous Waste Management System: General
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable to Generators of Hazardous Waste
40 CFR 263	Standards Applicable to Transporters of Hazardous Waste
40 CFR 264	Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR 265	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR 268	Land Disposal Restrictions
40 CFR 270	EPA Administered Permit Programs: The Hazardous Waste Permit Program
40 CFR 273	Standards For Universal Waste Management
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions

1.2 REQUIREMENTS

Removal and disposal of PCB containing lighting ballasts and associated mercury-containing lamps. Contractor may encounter leaking PCB ballasts.

1.3 DEFINITIONS

1 3 1 Competent Person (CP)

A Competent Person hired by the Contractor is one who is trained in

identifying existing and predictable PCB hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to control PCB hazards. A Certified Industrial Hygienist (CIH), certified by the American Board of Industrial Hygiene, is the recommended choice.

1.3.2 Leak

Leak or leaking means any instance in which a PCB article, PCB container, or PCB equipment has any PCBs on any portion of its external surface.

1.3.3 Lamps

Lamp, also referred to as "universal waste lamp", is defined as the bulb or tube portion of an electric lighting device. A lamp is specifically designed to produce radiant energy, most often in the ultraviolet, visible, and infra-red regions of the electromagnetic spectrum. Examples of common universal waste electric lamps include, but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, and metal halide lamps.

1.3.4 Polychlorinated Biphenyls (PCBs)

PCBs as used in this specification shall mean the same as PCBs, PCB containing lighting ballast, and PCB container, as defined in 40 CFR 761, Section 3, Definitions.

1.3.5 Spill

Spill means both intentional and unintentional spills, leaks, and other uncontrolled discharges when the release results in any quantity of PCBs running off or about to run off the external surface of the equipment or other PCB source, as well as the contamination resulting from those releases.

1.3.6 Universal Waste

Universal Waste means any of the following hazardous wastes that are managed under the universal waste requirements 40 CFR 273:

(1) Batteries as described in Sec. 273.2 of this chapter;
(2) Pesticides as described in Sec. 273.3 of this chapter;
(3) Thermostats as described in Sec. 273.4 of this chapter; and
(4) Lamps as described in Sec. 273.5 of this chapter.

1.4 QUALITY ASSURANCE

1.4.1 Regulatory Requirements

Perform PCB related work in accordance with 40 CFR 761 and NASA Special Condition Contract Clauses. Perform mercury-containing lamps storage and transport in accordance with 40 CFR 261, 40 CFR 264, 40 CFR 265, 40 CFR 273 and NASA Special Condition Contract Clauses.

1.4.2 Training

Competent Person (CP) shall instruct and certify the training of all persons involved in the removal of PCB containing lighting ballasts and mercury-containing lamps. The instruction shall include: The dangers of PCB

and mercury exposure, decontamination, safe work practices, and applicable OSHA and EPA regulations. The CP shall review and approve the PCB and Mercury-Containing Lamp Removal Work Plans.

1.4.3 Regulation Documents

Maintain at all times one copy each at the office and one copy each in view at the job site of 29 CFR 1910.1000, 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 265, 40 CFR 268, 40 CFR 270, and 40 CFR 273 and of the Contractor removal work plan and disposal plan for PCB and for associated mercury-containing lamps.

1.5 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-07 Certificates

Qualifications of CP; G

Training Certification; G

PCB and Lamp Removal Work Plan; G

SD-11 Closeout Submittals

Certification of Decontamination

1.6 ENVIRONMENTAL REQUIREMENTS

Use special clothing:

a. Disposable gloves (polyethylene)

b. Eye protection

c. PPE as required by CP

1.7 SCHEDULING

Notify the Contracting Officer 20 days prior to the start of PCB and mercury-containing lamp removal work.

1.8 QUALITY ASSURANCE

1.8.1 Qualifications of CP

Submit the name, address, and telephone number of the Competent Person selected to perform the duties in paragraph entitled "Competent Person (CP)." Provide documented construction project-related experience with implementation of OSHA 29 CFR 1910.1000 which shows ability to assess occupation and environmental exposure to PCB hazards, experience with the use of respirators, personal protective equipment, and other exposure reduction methods to protect employee health. Submit training certification that the CP is trained and certified in accordance with federal, State, and local laws.

1.8.2 PCB and Lamp Removal Work Plan

Submit a job-specific plan within 20 calendar days after award of contract of the work procedures to be used in the removal, packaging, and storage of PCB-containing lighting ballasts and associated mercury-containing lamps.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 WORK PROCEDURE

Furnish labor, materials, services, and equipment necessary for the removal of PCB containing lighting ballasts, associated mercury-containing fluorescent lamps, and high intensity discharge (HID) lamps and other universal wastes in accordance with local, state, or federal regulations. Do not expose PCBs to open flames or other high temperature sources since toxic decomposition by-products may be produced. Do not break mercury containing fluorescent lamps or high intensity discharge lamps.

3.1.1 Work Operations

Ensure that work operations or processes involving PCB or PCB-contaminated materials are conducted in accordance with 40 CFR 761, 40 CFR 262 40 CFR 263, and the applicable requirements of this section, including but not limited to:

a. Obtaining suitable PCB and mercury-containing lamp storage sites.

b. Notifying Contracting Officer prior to commencing the operation.

c. Reporting leaks and spills to the Contracting Officer.

d. Cleaning up spills.

e. Inspecting PCB and PCB-contaminated items and waste containers for leaks and forwarding copies of inspection reports to the Contracting Officer.

f. Maintaining inspection, inventory and spill records.

3.2 PCB SPILL CLEANUP REQUIREMENTS

3.2.1 PCB Spills

Immediately report to the Contracting Officer any PCB spills.

3.2.2 PCB Spill Control Area

Rope off an area around the edges of a PCB leak or spill and post a "PCB Spill Authorized Personnel Only" caution sign. Immediately transfer leaking items to a drip pan or other container.

3.2.3 PCB Spill Cleanup

40 CFR 761, subpart G. Initiate cleanup of spills as soon as possible, but

no later than 24 hours of its discovery. Mop up the liquid with rags or other conventional absorbent. The spent absorbent shall be properly contained and disposed of as solid PCB waste.

3.2.4 Records and Certification

Document the cleanup with records of decontamination in accordance with 40 CFR 761, Section 125, Requirements for PCB Spill Cleanup. Provide test results of cleanup and certification of decontamination.

3.3 REMOVAL

3.3 1 Ballasts

As ballasts are removed from the lighting fixture, inspect label on ballast. Ballasts without a "No PCB" label shall be assumed to contain PCBs and containerized and disposed of as required in Section 02 84 33 under paragraphs STORAGE FOR DISPOSAL and PCB DISPOSAL AND MANAGEMENT.

3.3.2 Lighting Lamps

Salvage lighting tubes/lamps from the lighting fixture and carefully place (unbroken) into appropriate containers (original transport boxes or equivalent). In the event of a lighting tube/lamp breaking, sweep and place waste in double plastic taped bags and dispose of as universal waste as specified herein.

3.4 STORAGE AND DISPOSAL

Storage and disposal shall be in accordance with the federal regulations and NASA Special Condition Contract Clauses.

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SECTION 02 84 33

REMOVAL AND DISPOSAL OF POLYCHLORINATED BIPHENYLS (PCBs)

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

JOHN F. KENNEDY SPACE CENTER (KSC)

KNPR 8500.1	KSC Environmental Requirements

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910.1000	Air Contaminants
29 CFR 1910.145	Accident Prevention Signs and Tags
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions
49 CFR 171	General Information, Regulations, and Definitions
49 CFR 172	Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
49 CFR 173	Shippers - General Requirements for Shipments and Packagings
49 CFR 174	Carriage by Rail
49 CFR 175	Carriage by Aircraft
49 CFR 176	Carriage by Vessel
49 CFR 177	Carriage by Public Highway
49 CFR 178	Specifications for Packagings
49 CFR 179	Specifications for Tank Cars

1.2 REQUIREMENTS

The work includes the removal and disposal of material containing PCBs in paint coatings as indicated on the contract drawings. If a painted surface has not been tested for PCBs, assume PCBs are present to determine personnel protective equipment (PPE) for workers. Perform work in accordance with 40 CFR 761 and the requirements specified herein.

1.3 DEFINITIONS

1.3.1 Leak

Leak or leaking means any instance in which a PCB Article, PCB Container, or PCB Equipment has any PCBs on any portion of its external surface.

1 3.2 PCBs

PCBs as used in this specification shall mean the same as PCBs, PCB Article, PCB Article Container, PCB Container, PCB Equipment, PCB Item, PCB Transformer, PCB-Contaminated Electrical Equipment, as defined in 40 CFR 761, Section 3, Definitions.

1.3.3 Spill

Spill means both intentional and unintentional spills, leaks, and other uncontrolled discharges when the release results in any quantity of PCBs running off or about to run off the external surface of the equipment or other PCB source, as well as the contamination resulting from those releases.

1.4 QUALITY ASSURANCE

1.4.1 Training

Instruct employees on the dangers of PCB exposure, on respirator use, decontamination, and applicable OSHA and EPA regulations.

1.4.2 Competent Person (CP)

A Competent Person hired by the Contractor is one who is trained in identifying existing and predictable PCB hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to control PCB hazards. A Certified Industrial Hygienist (CIH), certified by the American Board of Industrial Hygiene, is the recommended choice.

1.4.3 Regulation Documents

Maintain at all times one copy each at the office and one copy each in view at the job site 29 CFR 1910.1000, 40 CFR 761, and Contractor work practices for removal, storage and disposal of PCBs

1.4.4 Surveillance Personnel

Surveillance personnel may enter PCB control areas for brief periods of time provided they wear disposable polyethylene gloves and disposal polyethylene foot covers, as a minimum. Additional protective equipment may be required if respiratory hazard is involved or if skin contact with PCB is involved.

1.5 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-07 Certificates

Training certification

Qualifications of CP

PCB removal work plan

PCB disposal plan

Notification

Certification of Decontamination for PCB Spill

1.6 EQUIPMENT

1.6.1 Special Clothing

Work clothes shall consist of PPE as required by OSHA regulations, including, but not limited to the following:

a. Disposable coveralls

b. Gloves (Disposable rubber gloves may be worn under these)

c. Disposable foot covers (polyethylene)

d. Chemical safety goggles

e. Half mask cartridge respirator.

1.6.2 Special Clothing for Government Personnel

Provide PPE specified in paragraph entitled "Special Clothing" to the Contracting Officer as required for inspection of the work.

1.6.3 PCB Spill Kit

Assemble a spill kit to include the following items:

	ITEM	MINIMUM QUANTITY
1.	Disposable gloves (polyethylene)	6 prs
2.	Gloves with a high degree of impermeability to PCB	6 prs
3.	Disposable coveralls with permeation resistance to PCB	4 ea
4.	Chemical safety goggles	2 ea
5.	Disposable foot covers (polyethylene)	6 prs
6.	PCB Caution Sign: "PCB Spill--Authorized Personnel Only"	2 ea
7.	Banner guard or equivalent banner material	100 feet
8.	Absorbent material	5 bags
9.	Blue polyethylene waste bags	5 ea
10.	Cloth backed tape	1 roll
11.	Area access logs, blank	10 ea
12.	Brattice cloth, 6' x 6'	1 piece

	ITEM	MINIMUM QUANTITY
13.	Rags	20 ea
14.	Ball point pens	2 ea
15.	Herculite, 4' x 4' and 8' x 8'	1 ea
16.	Blank metal signs and grease pencils	2 ea
17.	Waste containers 55 gallon drum (may be used as container for kit)	1 ea

1 7 QUALITY ASSURANCE

1.7.1 Training Certification

Submit certificates, prior to the start of work but after the main abatement submittals, signed and dated by the CP and by each employee stating that the employee has received training. Certificates shall be organized by individual worker, not grouped by type of certificates.

1.7.2 Qualifications of CP

Submit the name, address, and telephone number of the Competent Person selected to perform the duties in paragraph entitled "Competent Person (CP)." Provide documented construction project-related experience with implementation of OSHA 29 CFR 1910.1000 which shows ability to assess occupation and environmental exposure to PCB hazards, experience with the use of respirators, personal protective equipment, and other exposure reduction methods to protect employee health. Submit proper documentation that the CP is trained and certified in accordance with federal, State, and local laws.

1.7.3 PCB Removal Work Plan

Submit a detailed job-specific plan of the work procedures to be used in the removal of PCB-containing materials, not to be combined with other hazardous abatement plans.

1.7.4 PCB Disposal Plan

Submit a PCB Disposal Plan within 45 calendar days after award of contract for Contracting Officer's approval. The PCB Disposal Plan shall comply with applicable requirements of Federal, State, and local PCB waste regulations and address:

a Identification of PCB wastes associated with the work.

b Estimated quantities of wastes to be generated and disposed of.

e. List of waste handling equipment to be used in performing the work, include cleaning, pump out of oil, and transport equipment to holding area.

f. Spill prevention, containment, and cleanup contingency measures to be implemented.

g. Work plan and schedule for PCB waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily.

1.7.5 Notification

Notify the Contracting Officer 20 days prior to the start of PCB removal work.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 PROTECTION

3.1.1 Decontamination Room, Clean Room and Shower Facilities

a. Provide material and labor for construction of a decontamination room, a clean room, and shower facilities. Provide rooms with doors and attach to the exit ways of PCB work areas. Rooms shall be of sufficient size to accommodate the Contractor's operation within. Provide portable toilet and shower facilities. Locate shower facilities between the clean room and decontamination room. Provide separate clothing lockers or containers in each room to prevent contamination of street and work clothes.

b. Remove PCB-contaminated PPE in the decontamination room. Workers shall then proceed to showers. Workers shall shower before lunch and at the end of each day's work. Hot water, towels, soap, and hygienic conditions are the responsibility of the Contractor.

3.1.2 PCB Control Area

Isolate PCB control area by physical boundaries to prevent unauthorized entry of personnel. Food, drink and smoking materials shall not be permitted in areas where PCBs are handled or PCB items are stored.

3.1.3 Personnel Protection

Workers shall wear and use PPE, as recommended by the Industrial Hygienist, upon entering a PCB control area. If PPE is not required per the CP, specify in the PCB removal work plan.

3.1.4 Footwear

Work footwear shall remain inside work area until completion of the job.

3.1.5 Permissible Exposure Limits (PEL)

PEL for PCBs is 3.1 E-08 lb/cubic foot on an 8-hour time weighted average basis.

3.1.6 Special Hazards

a. PCBs shall not be exposed to open flames or other high temperature sources since toxic decomposition by-products may be produced.

b. PCBs shall not be heated to temperatures of 135 degrees F or higher without Contracting Officer's concurrence.

3 1 7 PCB Caution Label

40 CFR 761, Subpart C. Affix labels to PCB waste containers and other PCB-contaminated items. Provide label with sufficient print size to be clearly legible, with bold print on a contrasting background, displaying the following: CAUTION: Contains PCBs (Polychlorinated Biphenyls).

3.1.8 PCB Caution Sign

29 CFR 1910.145. Provide signs at approaches to PCB control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area.

3.2 WORK PROCEDURE

Furnish labor, materials, services, and equipment necessary for the complete removal of PCBs located at the site as indicated or specified in accordance with local, State, or Federal regulations. Package and mark PCB as required by EPA and DOT regulations and dispose of off Government property in accordance with NASA KNPR 8500.1 and KNPR Property Disposal at a permitted site

3.2.1 No Smoking

Smoking is not permitted within 50 feet of the PCB control area. Provide "No Smoking" signs as directed by the Contracting Officer.

3.2.2 Work Operations

Ensure that work operations or processes involving PCB or PCB-contaminated materials are conducted in accordance with 40 CFR 761 and the applicable requirements of this section, including but not limited to:

a. Obtaining advance approval of PCB storage sites.

b. Notifying Contracting Officer prior to commencing the operation

c. Reporting leaks and spills to the Contracting Officer.

d. Cleaning up spills.

e. Maintaining an access log of employees working in a PCB control area and providing a copy to the Contracting Officer upon completion of the operation.

f. Inspecting PCB and PCB-contaminated items and waste containers for leaks and forwarding copies of inspection reports to the Contracting Officer.

g. Maintaining a spill kit as specified in paragraph entitled "PCB Spill Kit."

h. Maintaining inspection, inventory and spill records.

3.3 PCB TRANSFORMERS

3.3.1 Draining of Transformer Liquid

Perform work in accordance with 49 CFR 171, 49 CFR 172, 49 CFR 173,

49 CFR 174, 49 CFR 175, 49 CFR 176, 49 CFR 177, 49 CFR 178, and 49 CFR 179, Subchapter C and as specified herein. Drain the transformer, switches, and regulators of free flowing liquid prior to transportation. Place the drained liquids in DOT Spec 17E drums. The drums shall not contain more than 50 gallons of oil. If the equipment cannot be drained, then place it in DOT Spec 17C drums.

3.3.2 Markings

Provide drums and drained PCB-contaminated electrical equipment with caution label markings as specified in paragraph entitled "PCB Caution Label."

3.3.3 Laboratory Analysis

All transformers shall have a laboratory analysis for turn-in.

3.3.4 Disposal

3.3.4.1 Transformers, Less Than 50 ppm or Greater Than 50 ppm

Dispose of transformers in accordance with NASA Special Condition Contract Clauses.

3.4 PCB REMOVAL

Select PCB removal procedure to minimize contamination of work areas with PCB or other PCB-contaminated debris/waste. Handle PCBs such that no skin contact occurs. PCB removal process should be described in the work plan.

3.4.1 Confined Spaces

As feasible, do not carry out PCB handling operations in confined spaces. A confined space shall mean a space having limited means of egress and inadequate cross ventilation.

3.4.2 Control Area

Establish a PCB control area around the PCB item as specified in paragraph entitled "PCB Control Area." Only personnel briefed on the elements in the paragraph entitled "Training" and on the handling precautions shall be allowed into the area.

3.4.3 Exhaust Ventilation

If used, exhaust ventilation for PCB operations shall discharge to the outside and away from personnel.

3.4.4 Temperatures

As feasible, handle PCBs at ambient temperatures and not at elevated temperatures.

3.4.5 Solvent Cleaning

Clean contaminated tools, containers, etc., in accordance with NASA KNPR 8500.1.

3 4 6 Drip Pans

Drip pans are required under portable PCB transformers and rectifiers in use or stored for use. The pans shall have a containment volume of at least one and one-half times the internal volume of PCBs in the item.

3.4.7 Evacuation Procedures

Procedures shall be written for evacuation of injured workers. Aid for a seriously injured worker shall not be delayed for reasons of decontamination.

3.5 PCB SPILL CLEANUP REQUIREMENTS

3.5.1 PCB Spills

Immediately report to the Contracting Officer any PCB spills on the ground or in the water, PCB spills in drip pans, or PCB leaks.

3.5.2 PCB Spill Control Area

Rope off an area around the edges of a PCB leak or spill and post a "PCB Spill Authorized Personnel Only" caution sign. Immediately transfer leaking items to a drip pan or other container.

3.5.3 PCB Spill Cleanup

40 CFR 761, Subpart G. Initiate cleanup of spills as soon as possible, but no later than 48 hours of its discovery. To clean up spills, personnel shall wear the PPE prescribed in paragraph entitled "Special Clothing" of this section If misting, elevated temperatures or open flames are present, or if the spill is situated in a confined space, notify the Contracting Officer. Mop up the liquid with rags or other conventional absorbent. The spent absorbent shall be properly contained and disposed of as solid PCB waste.

3.5.4 Records and Certification

Document the cleanup with records of decontamination in accordance with 40 CFR 761, Section 125, Requirements for PCB Spill Cleanup. Provide certification of decontamination.

3.5.5 Sampling Requirements

Perform post cleanup sampling as required by 40 CFR 761, Section 130, Sampling Requirements. Do not remove boundaries of the PCB control area until site is determined satisfactorily clean by the Contracting Officer.

3.6 STORAGE FOR DISPOSAL

3.6.1 Storage Containers for PCBs

Store PCBs in Government provided containers.

3.6.2 Waste Containers

Label as directed by the Government.

3.6.3 PCB Articles and PCB-Contaminated Items

Label as directed by the Government.

3.6.4 Approval of Storage Site

Storage sites shall be in accordance with NASA Special Condition Contract Clauses.

3.7 CLEANUP

Maintain surfaces of the PCB control area free of accumulations of PCBs. Restrict the spread of dust and debris; keep waste from being distributed over work area.

Do not remove the PCB control area and warning signs prior to the Contracting Officer's approval. Reclean areas showing residual PCBs.

3.8 PCB DISPOSAL AND MANAGEMENT

Comply with disposal requirements and procedures outlined in the contract documents, 40 CFR 761, and NASA Special Condition Contract Clauses.

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SECTION 03 01 30.71

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SECTION 03 01 30.71

CONCRETE REHABILITATION

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM C31/C31M	(2010) Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C33/C33M	(2011a) Standard Specification for Concrete Aggregates
ASTM C39/C39M	(2012) Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
ASTM C881/C881M	(2010) Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete

1.2 DEFINITIONS

1.2.1 Epoxy Resin Binder

A two-component epoxy bonding system in low and medium viscosities used by itself as a primer or for producing epoxy concrete or mortars when mixed with aggregate.

1.2.2 Epoxy Concrete

A combination of epoxy resin binder and fine and coarse aggregate used in the repair of spalling along joints or cracks, small surface spalls or "popouts."

1.2.3 Epoxy Mortar

A combination of epoxy resin binder and fine aggregate used in the surface repair of non-structural cracks and filling of saw kerfs.

1.2.4 Non-Pressure Epoxy Grout

A combination of epoxy resin binder, a mineral filler and a thixotropic agent used in cementing dowels in place and the repair of non-structural cracks.

1.2.5 Pressure Grouting Epoxy

A low viscosity epoxy resin system pumped under pressure into structural

cracks in walls or pavements.

1 3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES.

SD-05 Design Data

Job mix formula; G

SD-07 Certificates

Epoxy resin binder

Epoxy concrete

SD-08 Manufacturer's Instructions

Epoxy repair material; G

Submit for mixing and applying.

1.4 QUALITY ASSURANCE

1.4.1 Design Data

1.4.1.1 Job Mix Formula

Submit, at least 15 days before work commences, a job-mix formula for each use of epoxy concrete. Test reports shall accompany the mix design. Identify the proposed source of the materials and state the proportions of aggregates and epoxy resin. When determining job mix, use samples of materials to be used on the job.

a. Trial batches: Perform a minimum of three trial batchings in a certified testing laboratory. Try different aggregate-resin proportions to obtain satisfactory placing and finishing characteristics but keep the proportion by weight of aggregate to epoxy resin binder at least five to one. When mixing, add the fine aggregates first, and then the coarse aggregates. The final trial batch should be sufficiently wet so that some fines will "bleed" to the surface during finishing operations.

b. Supporting criteria: Include in the submittal the following data for each trial batch:

(1) Proportions by weight

(2) Unit weights and specific gravities of constituents

(3) Batch weights

(4) Compressive strengths of 3 by 6 inch cylinders, made in accordance with ASTM C31/C31M, air cured for 7 days and tested in accordance with ASTM C39/C39M. Compressive strength shall be a minimum of 4,000 psi.

(5) Curing time

1.5 DELIVERY, STORAGE, AND HANDLING

Inspect materials delivered to site for damage, unload and store with a minimum of handling. Deliver epoxy resin components and aggregate materials in original sealed containers and store in dry covered areas at temperatures below 90 degrees F. Remove from job site unused mixed materials which have reached end of working or pot life.

1.6 WEATHER LIMITATIONS

Halt work when weather conditions detrimentally affect the quality of patching or bonding concrete. Apply epoxy resin materials only when the contact surfaces are completely dry and if the atmospheric and surface temperature ranges are suitable for the specified epoxy material. Follow manufacturer's instructions for weather conditions and temperature ranges.

1.7 TRAFFIC CONTROL

Do not permit vehicular or heavy equipment traffic on the pavement in the work area during the curing period. At the end of the curing period, light local traffic may be permitted on the pavement if approved by the Contracting Officer.

1.8 EQUIPMENT

Use a container recommended by the epoxy manufacturer as the mixing vessel. Use a power drive (air or spark-proof) propeller type blade for mixing except that hand mixing may be used for small batches. Use equipment specified by epoxy manufacturer for field mixing of aggregates and epoxy resin.

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 Epoxy

2.1.1.1 Epoxy Resin Binder for Concrete and Mortar

ASTM C881/C881M, Type III, Grade 3, Class C without mineral filler.

2.1.2 Aggregate

For material passing No. 200 sieve provide a non-plastic material composed of a minimum of 75 percent limestone dust, talc or silica inert filler. Provide dry aggregate.

a. For epoxy concrete: ASTM C33/C33M, maximum size 3/8 inch.

PART 3 EXECUTION

3.1 PREPARATION

3 1.1 Epoxy Concrete

3.1.1.1 Patch Areas

Remove loose concrete from the spalled areas indicated. Inspect the cavity for remaining defective concrete by tapping with a hammer or steel rod and listening for dull or hollow sounds. In areas where tapping does not produce a solid tone, remove additional concrete until testing produces a solid tone. Make the entire cavity at least one inch deep. Sawcut edges of cavity to avoid feather edging Prepare surface of cavity by sandblasting, grinding, or water blasting. Remove dust, dirt, and loosely bonded material resulting from cleaning. Ensure cavity surfaces are dry.

3.1.1.2 Spalls at Joints and Cracks

For spalls to be repaired that are adjacent to joints and working cracks insert preformed joint filler to the working faces of the spall. Trim filler to fit shape of the working faces of joint or crack so epoxy material is prevented from bypassing filler. Where practicable, extend filler horizontally and vertically into joint or crack opening. Secure filler strip in place prior to and during placement of epoxy concrete.

3.2 MIXING MATERIALS

Make batches small enough to ensure placement before binder sets Mix materials in accordance with manufacturer's recommendations.

3.3 PLACEMENT

3.3.1 Epoxy Concrete

Prime dry cavity surfaces with epoxy resin using a stiff bristle brush. Make coating approximately 20 mils thick. Place epoxy concrete while primer is still tacky and in layers not exceeding one inch thick. Use vibratory floats, plates, or hand tampers to consolidate the concrete. Level each layer and screed the final surface to match the adjoining surfaces. Remove excess epoxy concrete on adjacent surfaces before the concrete hardens. Do not feather epoxy concrete out onto adjacent surfaces.

3.4 CURING

Cure epoxy materials in accordance with manufacturer's recommendations.

3.5 FIELD QUALITY CONTROL

3.5.1 Sampling

As soon as epoxy resin and aggregate materials are available for sampling, obtain by random selection a sample of each batch. Clearly identify samples by designated name, specification number, batch number, project contract number, intended use and quantity involved.

3.5.2 Inspection

Check each repaired area for cracks, spalls, popouts and loss of bond between repaired area and surrounding concrete. Check each repaired area for voids by tapping with a hammer or steel rod and listening for dull or hollow sounds. Immediately repair defects.

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FIRE SUPPRESSION SPRINKLER SYSTEMS

PART 1 GENERAL

1.1 REQUIREMENTS

Provide design and installation in accordance with NFPA Standards. The interpretation of NFPA Standards rests with the Kennedy Space Center Fire Protection Engineer who is the Authority Having Jurisdiction (AHJ), and whose opinion is final.

This is a performance based specification with the Contractor responsible for providing engineering design, installation and testing associated with the work to be performed. Refer to the SOW and RFP for additional details and scope clarification. Note it is the primary objective of this project to remove or deconstruct areas within this building. New work is mostly limited to removal of the existing system to the point indicated and providing appropriate support and termination for the indicated services. Appurtenances such as drains, and test stations are required to complete or maintain as complete systems, this example is not intended to limit scope but merely exemplify the requirements.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN IRON AND STEEL INSTITUTE (AISI)

AISC/AISI 121	(2004) Standard Definitions for Use in the Design of Steel Structures

AMERICAN WATER WORKS ASSOCIATION (AWWA)

AWWA C606	(2011) Grooved and Shouldered Joints

ASME INTERNATIONAL (ASME)

ASME A112.18.1/CSA B125.1	(2011) Plumbing Supply Fittings
ASME B16.34	(2009; Supp 2010) Valves - Flanged, Threaded and Welding End
ASME B16.39	(2009) Standard for Malleable Iron Threaded Pipe Unions; Classes 150, 250, and 300
ASME B16 4	(2011) Standard for Gray Iron Threaded Fittings, Classes 125 and 250
ASME B16 5	(2009) Pipe Flanges and Flanged Fittings: NPS 1/2 Through NPS 24 Metric/Inch Standard

ASME B16.9	(2007) Standard for Factory-Made Wrought Steel Buttwelding Fittings
ASME B31.1	(2012) Power Piping

ASTM INTERNATIONAL (ASTM)

ASTM A126	(2004; R 2009) Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings
ASTM A135/A135M	(2009) Standard Specification for Electric-Resistance-Welded Steel Pipe
ASTM A183	(2003; R 2009) Standard Specification for Carbon Steel Track Bolts and Nuts
ASTM A234/A234M	(2011a) Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service
ASTM A307	(2010) Standard Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength
ASTM A53/A53M	(2012) Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM A563	(2007a) Standard Specification for Carbon and Alloy Steel Nuts
ASTM A795/A795M	(2008) Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use
ASTM D2000	(2012) Standard Classification System for Rubber Products in Automotive Applications

FM GLOBAL (FM)

FM APP GUIDE	(updated on-line) Approval Guide http://www.approvalguide.com/
FM AS 4991	(2001) Approval of Firestop Contractors

MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY (MSS)

MSS SP-58	(2009) Pipe Hangers and Supports - Materials, Design and Manufacture, Selection, Application, and Installation

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 13	(2010; Errata 10-1; TIA 10-1; TIA 11-2) Standard for the Installation of Sprinkler

	Systems
NFPA 14	(2010) Standard for the Installation of Standpipes and Hose Systems
NFPA 251	(2006) Standard Methods of Tests of Fire Resistance of Building Construction and Materials
NFPA 70	(2011; Errata 2 2012) National Electrical Code

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

NICET 1014-7	(2003) Program Detail Manual for Certification in the Field of Fire Protection Engineering Technology (Field Code 003) Subfield of Automatic Sprinkler System Layout

U.S. DEPARTMENT OF DEFENSE (DOD)

MIL-STD-101	(1970; Rev B) Color Code for Pipelines & for Compressed Gas Cylinders

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FED-STD-595	(Rev C, Notice 1) Colors Used in Government Procurement
CID A-A-1922	(Rev A, Notice 2) Shield, Expansion (Caulking Anchors, Single Lead)
CID A-A-1923	(Rev A; Notice 2) Shield, Expansion (Lag, Machine and Externally Threaded Wedge Bolt Anchors)
CID A-A-1924	(Rev A; Notice 2) Shield, Expansion (Self Drilling Tubular Expansion Shell Bolt Anchors
CID A-A-1925	(Rev A; Notice 2) Shield Expansion (Nail Anchors)
CID A-A-55614	(Basic; Notice 2) Shield, Expansion (Non-Drilling Expansion Anchors)
CID A-A-55615	(Basic; Notice 2) Shield, Expansion (Wood Screw and Lag Bolt Self-Threading Anchors

UNDERWRITERS LABORATORIES (UL)

UL 6	(2007; reprint Nov 2010) Electrical Rigid Metal Conduit-Steel
UL Fire Prot Dir	(2012) Fire Protection Equipment Directory

1.3 ADMINISTRATIVE REQUIREMENTS

1.3.1 Pre-Installation Meeting

No later than 15 calendar days of Contract Award, mandatory attendance is required at a pre-installation meeting. Submit the following to the Contracting Officer for review:

a. Contractor's State Certification

c. Quality Assurance Plan

C. Test procedures and recording forms for the preliminary tests

Provide one (1) copy of the test procedures and recording forms for the preliminary tests. For the final acceptance tests, provide ten (10) copies of the test procedures and recording forms. In each test procedure, identify each sprinkler and standpipe component to be tested, describe the initial condition, each step or function in the test, required test results, and equipment to be employed. Provide test forms with suitable spaces for recording test results on all equipment, devices, and wiring to be tested. Provide test record forms that also have identified spaces for verification signatures of official witnesses and dates of the test.

1.3.1.1 Shop Drawings

Submit shop drawings for the following items in sufficient detail and scope to verify compliance with the requirements of the contract documents:

a. Records of Existing Conditions

Submit Records of existing conditions showing the results of Contractor's survey of work area conditions and features of existing structures and facilities within and adjacent to the job site. Commencement of work constitutes acceptance of existing conditions.

b. Connection Diagrams

Submit Connection Diagrams indicating the relations and connections of the following items. Indicate on the drawings the general physical layout of all controls, and internal tubing and wiring details.

1.3.1.2 Manufacturer's Product Data

Submit Manufacturer's Catalog Data in sufficient detail and scope to verify compliance with the requirements of the contract documents.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Records of Existing Conditions; G

Contractor's State Certification; G

Quality Assurance Plan; G

Test Procedures and Recording Forms for the Preliminary Tests; G

SD-02 Shop Drawings

Connection Diagrams; G

As-Built Drawings; G

Records of Existing Conditions; G

SD-03 Product Data

Piping Materials; G

Supporting Elements; G

Valves; G

Miscellaneous Materials; G

Identification Tags; G

Inspector's Test Valve; G

Fire Stopping; G

SD-06 Test Reports

Pressure Tests; G

Inspector's Test; G

SD-07 Certificates

Test Gauge Accuracy; G

1.5 QUALITY ASSURANCE PLAN

Ensure all equipment provided under this sprinkler system specification is manufactured to meet the requirements of this paragraph Provide system(s) that is (are) the latest standard design, that is listed by Underwriters' Laboratories or approved by Factory Mutual FM APP GUIDE, and is suitable for the intended use.

Components installed under this contract cannot be more than one (1) year older than the date of installation. Submit proof that all components are Underwriter Laboratory UL Fire Prot Dir listed or Factory Mutual FM APP GUIDE and FM AS 4991 approved for their intended use and function, and are installed per manufacturer instructions Provide materials and equipment furnished that are compatible with the existing system.

Number all fittings and coupling that require a specific torque range and ensure the corresponding torque value is documented. Submit verification that all grooved clamp type couplings and fittings were installed in accordance with the manufacturer installation manual.

1.5.1 Services Of A Certified Automatic Sprinkler Specialist

Provide services of a Certified Specialist thoroughly experienced in automatic sprinkler system installations on site to perform or directly supervise the installation, make all necessary adjustments and perform all tests on the automatic sprinkler system at the site.

Sprinkler System Specialist is certified when the specialist holds a valid Sprinkler System Layout, Level III Certification from the National Institute for Certification in Engineering Technologies NICET 1014-7 or is licensed by the State of Florida as a Contractor Class I in accordance with Florida State Statute, Chapter 633, Section 633.521 and holds a current Certificate of Competency.

Also consider certification of other recognized agencies with equivalent requirements. Provide evidence of the Contractors State Certification and the basis of certification to the Contracting Officer and approve by the Contracting Officer prior to any work being performed at Kennedy Space Center.

PART 2 PRODUCTS

2.1 SYSTEM DESCRIPTION

Provide fire-protection system materials and equipment conforming to the requirements of Underwriters Laboratories UL Fire Prot Dir or the Factory Mutual FM APP GUIDE. Provide materials and equipment compatible with the existing system.

2.2 PIPING MATERIALS

2.2.1 Type BCS - Black Carbon Steel

All piping and materials added to the system shall match the existing materials utilized in the vicinity.

Pipe 1/2 through 2 inches: Schedule 40 furnace butt welded or electric-resistance welded black-carbon steel conforming to ASTM A53/A53M, ASTM A135/A135M, ASTM A795/A795M, Type F (furnace butt welded) or Type E (electric-resistance welded), Grade B.

Pipe 2-1/2 through 8 inches: Schedule 40 seamless or electric-resistance welded black carbon steel, conforming to ASTM A53/A53M, ASTM A135/A135M, ASTM A795/A795M, Type E (electric-resistance welded), Grade B, or Type S (seamless), Grade B.

Unions 2 inches and under: 300-pounds per square inch gage (psig) working steam pressure (wsp) female, screwed, black malleable iron, with ground joint and brass-to-iron seat conforming to ASME B16.39

Standard Pipe Couplings: Extra-heavy screwed black steel.

Fittings 2 inches and under: 175 psi working pressure, cast iron, screwed conforming to ASTM A126, Class A, and ASME B16.4.

Fittings 2-1/2 inches and larger: 175 psi working pressure, wrought steel, buttweld fittings, wall thickness to match piping system, complying with ASME B16.9 and 150 pound steel flanges complying with ASME B16.5.

Provide elbows that are of the long radius type.

Provide grooved pipe couplings 2-1/2 inch and larger: 175 psig minimum working pressure with a housing fabricated in two or more parts of black malleable-iron castings. Ensure grooved couplings do not require a specific torque setting for housing bolt installation. Provide piping that is grooved in accordance with AWWA C606, or the manufacturer's specifications, for proper installation of the grooved couplings used. Provide couplings of the same part number for use on a single system.

Provide coupling gaskets of molded synthetic rubber conforming to requirements of ASTM D2000. Provide coupling bolts that are oval-neck, track-head type with heavy hexagonal nuts, conforming to ASTM A183.

Grooved fittings 2-1/2 inch and larger: 175 psig working pressure fittings used with grooved couplings that are fabricated of black malleable-iron castings, and are of the same manufacture as the pipe couplings. If a manufacturer's standard-size malleable-iron fitting pattern is not available, use fabricated fittings; fabricate fittings from Grade B seamless-steel pipe and long-radius seamless welding fittings, with wall thickness to match pipe, conforming to ASTM A234/A234M and ASME B16.9

Do not use bushings; only pre-manufactured concentric or eccentric reducing fittings or reducing tees/elbows can be used to reduce pipe size.

Pre-manufactured shaped welded outlets (weld-o-lets) can be used in lieu of "tee" fittings where the branch pipe outlet is at least one pipe diameter smaller than the main.

Do not use non-grooved products which rely in any way upon gasketing, clamps, straps, or setscrews for maintaining system integrity.

Do not use adjustable "drop nipples" which utilize an O-ring type seal arrangement.

2.3 SUPPORTING ELEMENTS

Provide piping system components and miscellaneous supporting elements, including, but not limited to, building-structure attachments; supplementary steel; hanger rods, stanchions, and fixtures; vertical-pipe attachments; horizontal-pipe attachments; restraining anchors; and guides. Provide supporting elements suitable for stresses imposed by systems pressures and temperatures, natural, and other external forces. Include an additional 250 pound load at each anchor per NFPA 13.

Provide FM approved or UL listed supporting elements conforming to ASME B31.1, MSS SP-58, and ASME B16.34.

2.3.1 Building-Structure Attachments

2 3.1.1 Anchor Devices, Concrete and Masonry

Conform anchor devices to CID A-A-1922, CID A-A-1923, CID A-A-1924A, CID A-A-1925, CID A-A-55614 and CID A-A-55615:

Group I: Shield, expansion (lead, bolt, and stud anchors)

Group II: Shield, expansion (bolt anchors), Type

2, Class 2, Style 1 or 2

Group III: Shield, expansion (self drilling tubular expansion shell bolt anchors

Provide adjustable positions for cast-in floor-mounted equipment-anchor devices.

Do not use powder-actuated anchoring devices to support mechanical-systems components.

2.3.1.2 Beam Clamps

Provide beam clamps that are center-loading Types 21, 28, 29, and 30, UL listed, cataloged, and load-rated commercially manufactured products.

Type 20 beam clamps can be used for pipe 2 inch and under.

Where Type 25 beam clamps are used, use two per point of pipe support.

2.3.1.3 C-Clamps

Do not use C-clamps.

2.3.1.4 Inserts, Concrete

Provide concrete inserts in accordance with the requirements of MSS SP-58 for Type 18. When applied to piping in sizes 2-inch iron pipe size (ips) and larger, and where otherwise required by imposed loads, insert and wire a 1-foot length of 1/2-inch reinforcing rod through wing slots.

2.3.2 Horizontal-Pipe Attachments

2.3.2.1 Single Pipes

Support piping in sizes up to and including 2-inch ips by Type 1, 5, 6, 7, 9, 10, 11, or 12 solid, split-ring, or band type attachments.

Support piping in sizes 2-1/2 inches and larger by Type 1, 2, 3, or 4 attachments or with Type 41 or Type 49 pipe rolls.

2.3.2.2 Parallel Fire-Protection Pipes

Use trapeze hangers fabricated from approved structural steel shapes, with U-bolts, when so specified. Provide structural-steel shapes that conform to supplementary steel requirements or provide supports that are commercially available, approved proprietary-design rolled steel.

2.3.3 Vertical-Pipe Attachments

Provide single Type 8 vertical-pipe attachments.

2.3.4 Hanger Rods and Fixtures

Use only circular solid cross section rod hangers to connect building structure attachments to pipe-support devices. Use pipe, straps, or bars of equivalent strength for hangers.

Provide turnbuckles, swing eyes, and clevises as required by support system

to accommodate temperature changes, pipe accessibility, and adjustment for load and pitch.

2.3 5 Supplementary Steel

Where it is necessary to frame structural members between existing members or where structural members are used in lieu of commercially rated supports, design and fabricate such supplementary steel in accordance with AISC/AISI 121.

Provide supplementary steel that is hot dipped galvanized or otherwise protected from corrosion as acceptable to the Contracting Officer.

2.4 PRESSURE GAUGE

Provide pressure gauge with a minimum 3.5 inch diameter, brass or stainless steel case with chrome finish, glass or polycarbonate window, brass dial with white background, black markings, dual units (English and Metric), phosphor bronze bourdon tube, brass precision geared movement, plus or minus 3 percent accuracy, 300 psi working pressure, and three-way globe style gauge isolation valve with plugged end.

2.5 INSPECTOR'S TEST

Provide an inspector's test valve that is a three-position (OFF-TEST-DRAIN) combination test, drain, and pressure relief device with bronze body, bronze ball valve, one quarter turn handle, integral sight glass (on discharge side), and internal corrosion resistant orifice, sized to match the sprinkler head orifice size. Ensure pressure relief device is factory set to relieve pressure at 175 psi.

2.6 Head Protection

Protect heads with paper or plastic bags during painting operations. Immediately remove protection upon finishing painting operations.

Provide steel wire head guards wherever mechanical damage could occur. Provide head guards UL listed or FM approved for use with the sprinkler heads installed Provide head guards with a manufacturer applied red finish, except where head guards UL listed or FM approved for use with the sprinkler heads installed do not come in a manufacturer applied red finish.

Provide water shields of cold rolled galvanized steel, and install on all heads located beneath other heads within their spray areas. Provide shields with red finish.

2.7 VALVES

2.7.1 Aboveground

Provide FM approved or UL listed gate, globe, and check valves (all sizes).

Provide FM approved ball valves, 2 inches and under, rated to 300 psi, with provisions to wire or lock handle in place where a critical alarm function is isolated.

Provide gate valves that are of the outside screw and yoke configuration with cast iron body and wedge and bronze yoke bushing, seat ring and face ring. Provide gate valves with a solid wedge, constructed of cast iron or

bronze. Provide valves that have flanged or grooved ends and are rated for 175 psi non-shock cold water.

Provide angle valves (for main drain) of the screwed or union bonnet type that have bodies constructed of bronze with a bronze disk. Provide angle valves having rubber disk seats and screwed ends rated for 175 psi non-shock cold water.

Supervise all control and isolation valves using a tamper switch, except for post indicator valves and OS&Y valves on double check valve assemblies backflow prevention, unless otherwise directed by the AHJ.

2.8 MISCELLANEOUS MATERIALS

2.8.1 Bolting

Provide flange and general-purpose bolting that is hex-head and conforms to ASTM A307, Grade B. Provide heavy hex-nuts that conform to ASTM A563. Square-head bolts and nuts are not acceptable.

2.8.2 Escutcheons

Provide escutcheons manufactured from ferrous metals. Provide only chrome-plated escutcheons, except when AISI 300 series corrosion-resistant steel is provided. Provide metals and finishes conforming to ASME A112.18.1/CSA B125.1.

Provide escutcheons that are one-piece type where mounted on chrome-plated pipe or tubing and one-piece or split-pattern type elsewhere. Provide escutcheons that have internal spring tension devices or setscrews to maintain a fixed position against a surface.

2.8.3 Flange Gaskets

Provide gaskets that are suitable for the intended use and contain no asbestos.

2.8.4 Pipe-Thread Compounds

Use tetrafluoroethylene tape or other suitable compounds.

2.9 FIRE-PROTECTION SYSTEM IDENTIFICATION

Provide a coordinated system of piping and equipment identification which includes the following:

Framed and plastic-protected diagrammatic layout of all piping systems, identifying and locating piping, equipment, and valves. Where existing systems are being modified, bring existing layouts up to date.

Metal-tag-identified major valves, piping-system components, and equipment

Metal identification plate at controlling alarm valve identifying system and area protected

Service-labeled piping

2.9.1 Metal Tags

Install Identification tags made of brass or aluminum and indicating function of valve or similar component on each system device. Provide tags that are not less than 2 inches in diameter and that have stamped markings.

Provide equipment with metal identification tags bearing an equipment designation number matching the drawing or diagram designations.

Secure tags to valve or equipment items with 12-gage galvanized wire.

Provide risers with a stamped metal tag containing the hydraulic design data. Also identify main drain and inspectors test stations using metal nameplates with minimum 2 inch high lettering chained to the valve.

2.9.2 Service Labeling

Label piping, including that concealed in accessible spaces, to designate service. Provide labels with an arrow or arrows to indicate flow direction. Provide labels or tag designations as follows:

SERVICE	LABEL OR TAG DESIGNATION
Main sprinkler supply	MAIN SPRINKLER SUPPLY
Sprinkler riser number	SPRINKLER RISER NO.
Sprinkler branch	SPRINKLER BRANCH
Standpipe equipment	STANDPIPE

Provide labels and arrows in accordance with the following:

Each point of entry and exit through walls

Each change in direction

In congested or hidden areas, at each point required to clarify service or indicate hazard

In long straight runs, locate labels at a distance visible to each other, but in no case can the distance between labels exceed 40 feet.

Provide label lettering to be 2 inches high. Where the size of pipes is 2-1/2-inch outside diameter and smaller, attach labels to 16-gage aluminum sheet that is attached to the pipe with 12-gage galvanized wire. Provide labels that are legible from the primary service and operating area.

Provide labels that are made of self-sticking plastic film designed for permanent installation. Provide labels that have red letters on white background.

Do not construe label and valve tag schedule above as defining or limiting the work Label all piping systems.

2.10 PAINTING

Furnish equipment of the manufacturer's standard product with the

manufacturer's standard finish coat.

Furnish other mechanical equipment with a shop-applied prime paint.

PART 3 EXECUTION

3.1 GENERAL

Install system materials and equipment in accordance with the recommendations and provisions of NFPA 13, NFPA 14, and related Codes and Standards contained herein. Perform work in the presence of the Contracting Officer who will be notified by the Contractor 48 hours in advance of the start of work.

Provide licensed fire protection sprinkler contractors, licensed for such work in the state where the work is to be performed, to perform all installation work.

Riser locations, pipe sizes, and the number of risers shown on the drawings is approximate in nature. Coordinate final riser quantity and location with the building construction, system design, Code requirements, and water supply limitations and maintenance requirements. The number of risers shown on the documents are the minimum to be provided. Indicate on Contractor's shop drawing submittal the exact location and number of risers approved by the Contracting Officer.

For heads which could be damaged, provide wire head guards. For heads located beneath other heads where the spray from the upper head could cool the lower head, provide water shields. For locations where existing building elements could disrupt sprinkler or nozzle spray patterns, provide multiple levels of protection.

Provide return bends for systems with non-potable water sources.

3.2 ABOVEGROUND PIPING-SYSTEMS INSTALLATION

Run piping parallel with the lines of the building. Space and install piping and components so that a threaded pipe fitting can be removed between adjacent pipes and so that there is not less than 1/2 inch of clear space between the finished surface and other work and between the finished surface of parallel adjacent piping. Arrange hangers on different adjacent service lines running parallel to be in line with each other and parallel to the lines of the building.

Base load rating for pipe-hanger supports on all lines filled with water. Do not exceed slope gradient of pipe for deflection per span. Install schedule 40 and heavier ferrous pipe supports in accordance with the following minimum rod size and maximum allowable hanger spacing. For concentrated loads such as valves, reduce allowable span proportionately.

PIPE SIZE (INCHES)	ROD SIZE (INCHES)	HANGER SPACING FOR STEEL PIPE (FEET)
1	3/8	8
1-1/4	3/8	12
1-1/2	3/8	15

PIPE SIZE (INCHES)	ROD SIZE (INCHES)	HANGER SPACING FOR STEEL PIPE (FEET)
2-1/2 to 3-1/2	3/8	15
5	1/2	15
6	1/2	15
8	1/2	15

Support vertical risers at the base where possible and at intervals specified. Guide piping for lateral stability as necessary. Place clamps under fittings wherever possible. Support carbon-steel at each floor at not more than 15 feet intervals for pipe 2 inches and smaller, and at not more than 20 feet intervals for pipe 2-1/2 inches and larger.

Securely support piping with allowance for thrust forces and thermal expansion and contraction and do not subject to mechanical, chemical, irrational, or other damage, in conformance with ASME B31.1.

Extend riser main drain piping full size to discharge outdoors in a location approved by the Contracting Officer.

Install piping sloped back towards the riser or the auxiliary drains to allow for drainage. Where trapped piping is unavoidable, provide auxiliary drains.

Install grooved couplings in accordance with manufacturer's instructions and provide means for the government inspector to access and verify proper installation. Provide access to piping materials prior to installation for the government inspector to verify proper grooves exist on all piping with grooved ends.

Locate inspector's test valve approximately 5 feet above finished floor. Provide inspector's test valve for each sprinkler system, or portion thereof equipped with an alarm device, for testing purposes. Locate inspector's test valve at the hydraulically most remote portion of the sprinkler system. Provide inspector's test piping that discharges to a drain location sized to accommodate the full flow without resulting in property damage. Do not permit discharge to janitors sinks and similar locations.

3.3 FIRE STOPPING

Seal through-penetrations in fire walls, partitions, or any floors to allow passage of cables, ducts, pipes and conduits with a "fire stopping assembly" that is UL listed or FM approved, with a fire-resistance rating equal to the fire resistance rating of the walls, partitions, or floors, in accordance with NFPA 251. For sealing purposes, consider all floors to have a fire-resistance rating of 2 hours. Seal openings no longer required with a material of equal or greater fire resistance to that of the walls, partitions, or floors.

3.4 ESCUTCHEONS

Provide escutcheons at penetrations of piping into finished areas. Where finished areas are separated by partitions through which piping passes, provide escutcheons on both sides of the partition. Where suspended ceilings are installed, provide plates at the underside only of such ceilings. Provide escutcheons that are chrome plated in occupied spaces and that conceal openings in building construction. Firmly attach escutcheons.

3.5 PAINTING

Bring manufacturer's standard-finish equipment surfaces damaged during construction to as-new condition by touchup or repainting to the satisfaction of the Contracting Officer, or replace with new undamaged equipment at no additional cost to the Government.

Thoroughly clean and paint with one coat of primer paint pipe hangers, supports, and other iron work in concealed spaces.

Give all automatic sprinkler and standpipe system piping, valves, and appurtenances, two coats of enamel, color No. 11105 (red) in accordance with MIL-STD-101 and FED-STD-595.

3.6 ELECTRICAL WORK

Provide electrical work that is specified in DIVISION 26 ELECTRICAL for control system wiring under Section 28 31 00.00 98 FIRE DETECTION AND ALARM and this section in accordance with UL 6 and NFPA 70. Use rigid metal conduit or intermediate metal conduit, except that electrical metallic tubing can be used in dry locations not enclosed in concrete or where not subject to mechanical damage.

3.7 SYSTEM TESTING

Prior to acceptance of the work, test completed systems in the presence of the Contracting Officer. Upon approval, provide certificates of testing.

Provide hydrostatic Pressure tests, unless otherwise specified. Use only potable water for testing.

Full opening of the inspector's test connection has to activate the riser water flow alarm device indicator and deliver a steady stream of water at the test outlet through a calibrated orifice equivalent in diameter to a single system sprinkler head.

Government will supply testing water at a location determined by the Contracting Officer, but the Contractor is responsible for approved disposal of test water.

Prepare and maintain test records of piping-system tests. Provide records that show personnel responsibilities, dates, test-gage identification numbers, ambient and test-water temperatures, pressure ranges, rates of pressure drops, and leakage rates. Each test acceptance requires the signature of the Contracting Officer.

3.7.1 Test Gages

Provide test gauges that have 4-1/2-inch dials or larger with accuracy of

plus or minus 1/2 of 1 percent of full-scale range and dial graduations and pointer width compatible with readability to within one-half of the accuracy extremes. Include maximum permissible scale range for a given test to be such that the pointer during a test can only have a starting position at midpoint of the dial or within the middle third of the scale range. For each test gage, include a table indicating test gauge accuracy certification and corrections made within 90 days prior to the test, the test gage number, and the project number.

3.7.2 Test and Acceptable Criteria

Hydrostatically test above ground systems at 200 psi or where the maximum normal working pressure exceeds 150 psi, test the system at the maximum normal working pressure plus 50 psi. Maintain the applied pressure without further addition of test media for not less than 2 hours. Maximum allowable pressure drop is 0 psi.

Test underground systems, rubber jointed ferrous-pipe water systems at 200 psi, or where the maximum normal working pressure exceeds 150 psi, test the system at the maximum normal working pressure plus 50 psi. Maintain the applied test pressure for not less than 2 hours. Maximum allowable pressure drop is 2 psi.

Repair dripping or weeping joints.

3.8 CLEANING AND ADJUSTING

At the completion of the work, thoroughly clean all parts of the installation. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that accumulated from the installation and testing of the system. Adjust automatic control devices for proper operation.

3.9 AS-BUILT DRAWINGS

Submit As-Built drawings for approval 21 days prior to the acceptance testing phase of the project as described in the paragraph entitled, "System Testing," of this section. Provide two (2) sets of magnetic media as-built drawings in .DWG or DGN electronic format, and hard copies of all new and revised software and drawings with the submittal. Document on as-Built drawings the final system configuration including deviations from and amendments to the drawings, and field installation changes, concealed and visible.

-- End of Section --

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SECTION 22 00 00

PLUMBING, GENERAL PURPOSE

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI Z21.22/CSA 4.4	(1999; Addenda A 2000, Addenda B 2001; R 2004) Relief Valves for Hot Water Supply Systems

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE)

ASHRAE 90.1 - IP	(2010; INT 1 2011; Errata 2011, Errata 2011; Errata 2011, INT 2-12 2011, Errata 2011; INT 13 2012; INT 14 2012) Energy Standard for Buildings Except Low-Rise Residential Buildings

AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE)

ASSE 1003	(2009) Performance Requirements for Water Pressure Reducing Valves for Domestic Water Distribution Systems - (ANSI approved 2010)
ASSE 1018	(2001) Performance Requirements for Trap Seal Primer Valves - Potable Water Supplied (ANSI Approved 2002

AMERICAN WATER WORKS ASSOCIATION (AWWA)

AWWA 10084	(2005) Standard Methods for the Examination of Water and Wastewater
AWWA B300	(2010; Addenda 2011) Hypochlorites
AWWA B301	(2010) Liquid Chlorine
AWWA C651	(2005; Errata 2005) Standard for Disinfecting Water Mains
AWWA C652	(2011) Disinfection of Water-Storage Facilities

AMERICAN WELDING SOCIETY (AWS)

AWS A5.8/A5.8M	(2011) Specification for Filler Metals for

Brazing and Braze Welding

AWS B2.2/B2.2M	(2010) Specification for Brazing Procedure and Performance Qualification

ASME INTERNATIONAL (ASME)

ASME A112.14.1	(2003; R 2008) Backwater Valves
ASME A112.36.2M	(1991; R 2008) Cleanouts
ASME A112.6.1M	(1997; R 2008) Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use
ASME B1.20.1	(1983; R 2006) Pipe Threads, General Purpose (Inch)
ASME B16.12	(2009) Cast Iron Threaded Drainage Fittings
ASME B16.15	(2011) Cast Bronze Alloy Threaded Fittings Classes 125 and 250
ASME B16.18	(2012) Cast Copper Alloy Solder Joint Pressure Fittings
ASME B16.21	(2011) Nonmetallic Flat Gaskets for Pipe Flanges
ASME B16.22	(2001; R 2010) Standard for Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ASME B16.23	(2011) Cast Copper Alloy Solder Joint Drainage Fittings - DWV
ASME B16.24	(2011) Cast Copper Alloy Pipe Flanges and Flanged Fittings: Classes 150, 300, 600, 900, 1500, and 2500
ASME B16.29	(2012) Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV
ASME B16.3	(2011) Malleable Iron Threaded Fittings, Classes 150 and 300
ASME B16.34	(2009; Supp 2010) Valves - Flanged, Threaded and Welding End
ASME B16.39	(2009) Standard for Malleable Iron Threaded Pipe Unions; Classes 150, 250, and 300
ASME B16.4	(2011) Standard for Gray Iron Threaded Fittings; Classes 125 and 250
ASME B16.5	(2009) Pipe Flanges and Flanged Fittings: NPS 1/2 Through NPS 24 Metric/Inch Standard

ASME B16.50	(2001; R 2008) Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings
ASME B31.1	(2012) Power Piping
ASME B31.5	(2010) Refrigeration Piping and Heat Transfer Components
ASME B40.100	(2005; R 2010) Pressure Gauges and Gauge Attachments
ASME BPVC SEC IV	(2010) BPVC Section IV-Rules for Construction of Heating Boilers
ASME BPVC SEC IX	(2010) BPVC Section IX-Welding and Brazing Qualifications
ASME CSD-1	(2012) Control and Safety Devices for Automatically Fired Boilers

ASTM INTERNATIONAL (ASTM)

ASTM A105/A105M	(2011a) Standard Specification for Carbon Steel Forgings for Piping Applications
ASTM A183	(2003; R 2009) Standard Specification for Carbon Steel Track Bolts and Nuts
ASTM A193/A193M	(2012a) Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service and Other Special Purpose Applications
ASTM A47/A47M	(1999; R 2009) Standard Specification for Ferritic Malleable Iron Castings
ASTM A515/A515M	(2010) Standard Specification for Pressure Vessel Plates, Carbon Steel, for Intermediate- and Higher-Temperature Service
ASTM A516/A516M	(2010) Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service
ASTM A518/A518M	(1999; R 2008) Standard Specification for Corrosion-Resistant High-Silicon Iron Castings
ASTM A53/A53M	(2012) Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM A536	(1984; R 2009) Standard Specification for Ductile Iron Castings
ASTM A733	(2003e1; R 2009) Standard Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples

ASTM A74	(2009) Standard Specification for Cast Iron Soil Pipe and Fittings
ASTM A888	(2011) Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
ASTM B152/B152M	(2009) Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar
ASTM B306	(2009) Standard Specification for Copper Drainage Tube (DWV)
ASTM B42	(2010) Standard Specification for Seamless Copper Pipe, Standard Sizes
ASTM B43	(2009) Standard Specification for Seamless Red Brass Pipe, Standard Sizes
ASTM B584	(2011) Standard Specification for Copper Alloy Sand Castings for General Applications
ASTM B75/B75M	(2011) Standard Specification for Seamless Copper Tube
ASTM B828	(2002; R 2010) Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings
ASTM B88	(2009) Standard Specification for Seamless Copper Water Tube
ASTM B88M	(2005; R 2011) Standard Specification for Seamless Copper Water Tube (Metric)
ASTM C1053	(2000; R 2010) Standard Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications
ASTM C564	(2011) Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings
ASTM C920	(2011) Standard Specification for Elastomeric Joint Sealants
ASTM D1785	(2012) Standard Specification for Poly(Vinyl Chloride) (PVC), Plastic Pipe, Schedules 40, 80, and 120
ASTM D2000	(2012) Standard Classification System for Rubber Products in Automotive Applications
ASTM D2235	(2004; R 2011) Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS)

	Plastic Pipe and Fittings
ASTM D2239	(2012) Standard Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter
ASTM D2241	(2009) Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)
ASTM D2464	(2006) Standard Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2466	(2006) Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40
ASTM D2467	(2006) Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2564	(2004; R 2009e1) Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems
ASTM D2657	(2007) Heat Fusion Joining Polyolefin Pipe and Fittings
ASTM D2661	(2011) Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40, Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2665	(2012) Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2672	(1996a; R 2009) Joints for IPS PVC Pipe Using Solvent Cement
ASTM D2683	(2010) Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing
ASTM D2737	(2012) Polyethylene (PE) Plastic Tubing
ASTM D2846/D2846M	(2009be1) Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems
ASTM D2855	(1996; R 2010) Standard Practice for Making Solvent-Cemented Joints with Poly(Vinyl Chloride) (PVC) Pipe and Fittings
ASTM D2996	(2001; R 2007e1) Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced

	Thermosetting-Resin) Pipe
ASTM D3035	(2010) Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
ASTM D3122	(1995; R 2009) Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings
ASTM D3138	(2004; R 2011) Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components
ASTM D3139	(1998; R 2011) Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals
ASTM D3212	(2007) Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM D3261	(2010a) Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
ASTM D4101	(2011) Standard Specification for Polypropylene Injection and Extrusion Materials
ASTM E1	(2007) Standard Specification for ASTM Liquid-in-Glass Thermometers
ASTM F1290	(1998a; R 2011) Electrofusion Joining Polyolefin Pipe and Fittings
ASTM F1760	(2001; R 2011) Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content
ASTM F2389	(2010) Standard Specification for Pressure-rated Polypropylene (PP) Piping Systems
ASTM F437	(2009) Standard Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
ASTM F438	(2009) Standard Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
ASTM F439	(2011) Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80

ASTM F441/F441M	(2009) Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
ASTM F442/F442M	(2009) Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
ASTM F477	(2010) Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F493	(2010) Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
ASTM F628	(2008) Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core
ASTM F877	(2011a) Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems
ASTM F891	(2010) Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core

CAST IRON SOIL PIPE INSTITUTE (CISPI)

CISPI 301	(2009) Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications

COPPER DEVELOPMENT ASSOCIATION (CDA)

CDA A4015	(1994; R 1995) Copper Tube Handbook

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS (IAPMO)

IAPMO PS 117	(2005b) Press Type Or Plain End Rub Gasketed W/ Nail CU & CU Alloy Fittings 4 Install On CU Tubing

INTERNATIONAL CODE COUNCIL (ICC)

ICC IPC	(2009) International Plumbing Code

MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY (MSS)

MSS SP-110	(2010) Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
MSS SP-25	(2008) Standard Marking System for Valves, Fittings, Flanges and Unions
MSS SP-44	(2010; Errata 2011) Steel Pipeline Flanges

MSS SP-58	(2009) Pipe Hangers and Supports - Materials, Design and Manufacture, Selection, Application, and Installation
MSS SP-67	(2011) Butterfly Valves
MSS SP-69	(2003) Pipe Hangers and Supports - Selection and Application (ANSI Approved American National Standard)
MSS SP-70	(2011) Gray Iron Gate Valves, Flanged and Threaded Ends
MSS SP-71	(2011) Gray Iron Swing Check Valves, Flanged and Threaded Ends
MSS SP-72	(2010a) Ball Valves with Flanged or Butt-Welding Ends for General Service
MSS SP-78	(2011) Cast Iron Plug Valves, Flanged and Threaded Ends
MSS SP-80	(2008) Bronze Gate, Globe, Angle and Check Valves
MSS SP-83	(2006) Class 3000 Steel Pipe Unions Socket Welding and Threaded
MSS SP-85	(2011) Gray Iron Globe & Angle Valves Flanged and Threaded Ends

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 90A	(2012) Standard for the Installation of Air Conditioning and Ventilating Systems

NSF INTERNATIONAL (NSF)

NSF/ANSI 14	(2012) Plastics Piping System Components and Related Materials
NSF/ANSI 61	(2011; Addenda 2012) Drinking Water System Components - Health Effects

PLASTIC PIPE AND FITTINGS ASSOCIATION (PPFA)

PPFA Fire Man	(2010) Firestopping: Plastic Pipe in Fire Resistive Construction

SOCIETY OF AUTOMOTIVE ENGINEERS INTERNATIONAL (SAE)

SAE J1508	(2009) Hose Clamp Specifications

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

PL 93-523	(1974; A 1999) Safe Drinking Water Act

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 141.80	National Primary Drinking Water Regulations; Control of Lead and Copper; General Requirements
PL 109-58	Energy Policy Act of 2005 (EPAct05)

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Plumbing System; G

Detail drawings consisting of schedules, performance charts, instructions, diagrams, and other information to illustrate the requirements and operations of systems that are not covered by the Plumbing Code. Detail drawings for the complete plumbing system including piping layouts and locations of connections; dimensions for roughing-in, foundation, and support points; schematic diagrams and wiring diagrams or connection and interconnection diagrams. Detail drawings shall indicate clearances required for maintenance and operation. Where piping and equipment are to be supported other than as indicated, details shall include loadings and proposed support methods. Mechanical drawing plans, elevations, views, and details, shall be drawn to scale.

SD-03 Product Data

Submit material data sheets to match the systems and work indicated.

Welding

A copy of qualified procedures and a list of names and identification symbols of qualified welders and welding operators.

Plumbing System

Diagrams, instructions, and other sheets proposed for posting. Manufacturer's recommendations for the installation of bell and spigot and hubless joints for cast iron soil pipe.

SD-06 Test Reports

Tests, Flushing and Disinfection

Test reports in booklet form showing all field tests performed to adjust each component and all field tests performed to prove compliance with the specified performance criteria, completion and testing of the installed system. Each test report shall indicate the final position of controls.

SD-07 Certificates

Materials and Equipment

Where equipment is specified to conform to requirements of the ASME Boiler and Pressure Vessel Code, the design, fabrication, and installation shall conform to the code.

Bolts

Written certification by the bolt manufacturer that the bolts furnished comply with the specified requirements.

SD-10 Operation and Maintenance Data

Plumbing System; G

1.3 STANDARD PRODUCTS

Specified materials and equipment shall be standard products of a manufacturer regularly engaged in the manufacture of such products. Specified equipment shall essentially duplicate equipment that has performed satisfactorily at least two years prior to bid opening. Standard products shall have been in satisfactory commercial or industrial use for 2 years prior to bid opening. The 2-year use shall include applications of equipment and materials under similar circumstances and of similar size. The product shall have been for sale on the commercial market through advertisements, manufacturers' catalogs, or brochures during the 2 year period.

1.3.1 Alternative Qualifications

Products having less than a two-year field service record will be acceptable if a certified record of satisfactory field operation for not less than 6000 hours, exclusive of the manufacturer's factory or laboratory tests, can be shown.

1 3 2 Service Support

The equipment items shall be supported by service organizations. Submit a certified list of qualified permanent service organizations for support of the equipment which includes their addresses and qualifications. These service organizations shall be reasonably convenient to the equipment installation and able to render satisfactory service to the equipment on a regular and emergency basis during the warranty period of the contract.

1.3.3 Manufacturer's Nameplate

Each item of equipment shall have a nameplate bearing the manufacturer's name, address, model number, and serial number securely affixed in a conspicuous place; the nameplate of the distributing agent will not be acceptable.

1.3.4 Modification of References

In each of the publications referred to herein, consider the advisory provisions to be mandatory, as though the word, "shall" had been substituted for "should" wherever it appears. Interpret references in these publications to the "authority having jurisdiction", or words of similar meaning, to mean the Contracting Officer.

1.3.4.1 Definitions

For the International Code Council (ICC) Codes referenced in the contract documents, advisory provisions shall be considered mandatory, the word "should" shall be interpreted as "shall." Reference to the "code official" shall be interpreted to mean the "Contracting Officer." For Navy owned property, references to the "owner" shall be interpreted to mean the "Contracting Officer." For leased facilities, references to the "owner" shall be interpreted to mean the "lessor." References to the "permit holder" shall be interpreted to mean the "Contractor."

1.3.4.2 Administrative Interpretations

For ICC Codes referenced in the contract documents, the provisions of Chapter 1, "Administrator," do not apply. These administrative requirements are covered by the applicable Federal Acquisition Regulations (FAR) included in this contract and by the authority granted to the Officer in Charge of Construction to administer the construction of this project. References in the ICC Codes to sections of Chapter 1, shall be applied appropriately by the Contracting Officer as authorized by his administrative cognizance and the FAR.

1.4 DELIVERY, STORAGE, AND HANDLING

Handle, store, and protect equipment and materials to prevent damage before and during installation in accordance with the manufacturer's recommendations, and as approved by the Contracting Officer. Replace damaged or defective items.

1.5 PERFORMANCE REQUIREMENTS

1.5.1 Welding

Piping shall be welded in accordance with qualified procedures using performance-qualified welders and welding operators. Procedures and welders shall be qualified in accordance with ASME BPVC SEC IX. Welding procedures qualified by others, and welders and welding operators qualified by another employer, may be accepted as permitted by ASME B31.1. The Contracting Officer shall be notified 24 hours in advance of tests, and the tests shall be performed at the work site if practicable. Welders or welding operators shall apply their assigned symbols near each weld they make as a permanent record.

1.6 REGULATORY REQUIREMENTS

Unless otherwise required herein, plumbing work shall be in accordance with ICC IPC. Energy consuming products and systems shall be in accordance with PL 109-58.

1.7 PROJECT/SITE CONDITIONS

The Contractor shall become familiar with details of the work, verify dimensions in the field, and advise the Contracting Officer of any discrepancy before performing any work.

1.8 INSTRUCTION TO GOVERNMENT PERSONNEL

When specified in other sections, furnish the services of competent instructors to give full instruction to the designated Government personnel

in the adjustment, operation, and maintenance, including pertinent safety requirements, of the specified equipment or system. Instructors shall be thoroughly familiar with all parts of the installation and shall be trained in operating theory as well as practical operation and maintenance work.

Instruction shall be given during the first regular work week after the equipment or system has been accepted and turned over to the Government for regular operation. The number of man-days (8 hours per day) of instruction furnished shall be as specified in the individual section. When more than 4 man-days of instruction are specified, use approximately half of the time for classroom instruction. Use other time for instruction with the equipment or system.

When significant changes or modifications in the equipment or system are made under the terms of the contract, provide additional instruction to acquaint the operating personnel with the changes or modifications.

1.9 ACCESSIBILITY OF EQUIPMENT

Install all work so that parts requiring periodic inspection, operation, maintenance, and repair are readily accessible. Install concealed valves, expansion joints, controls, dampers, and equipment requiring access, in locations freely accessible through access doors.

PART 2 PRODUCTS

2.1 Materials

Materials for various services shall be in accordance with TABLES I and II Where installed systems are capped, modified, or otherwise disturbed they shall be repaired, capped, terminated, modified, etc. with materials of the same type and joining system. The matching of existing systems shall take precedence over the information provided in tables I and II. Pipe schedules shall be selected based on service requirements and existing materials installed. Pipe fittings shall be compatible with the applicable pipe materials. Plastic pipe, fittings, and solvent cement shall meet NSF/ANSI 14 and shall be NSF listed for the service intended. Plastic pipe, fittings, and solvent cement used for potable hot and cold water service shall bear the NSF seal "NSF-PW." Polypropylene pipe and fittings shall conform to dimensional requirements of Schedule 40, Iron Pipe size and shall comply with NSF/ANSI 14, NSF/ANSI 61 and ASTM F2389. Polypropylene piping that will be exposed to UV light shall be provided with a Factory applied UV resistant coating. Pipe threads (except dry seal) shall conform to ASME B1.20.1. Grooved pipe couplings and fittings shall be from the same manufacturer. Material or equipment containing lead shall not be used in any potable water system. In line devices such as water meters, building valves, check valves, meter stops, valves, fittings and back flow preventers shall comply with PL 93-523 and NSF/ANSI 61, Section 8. End point devices such as drinking water fountains, lavatory faucets, kitchen and bar faucets, residential ice makers, supply stops and end point control valves used to dispense water for drinking must meet the requirements of NSF/ANSI 61, Section 9. Hubless cast-iron soil pipe shall not be installed underground, under concrete floor slabs, or in crawl spaces below kitchen floors. Plastic pipe shall not be installed in air plenums. Plastic pipe shall not be installed in a pressure piping system in buildings greater than three stories including any basement levels.

2.1.1 Pipe Joint Materials

Grooved pipe and hubless cast-iron soil pipe shall not be used under ground. Solder containing lead shall not be used with copper pipe. Cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Institute. Joints and gasket materials shall conform to the following:

a. Flange Gaskets: Gaskets shall be made of non-asbestos material in accordance with ASME B16.21. Gaskets shall be flat, 1/16 inch thick, and contain Aramid fibers bonded with Styrene Butadiene Rubber (SBR) or Nitro Butadiene Rubber (NBR). Gaskets shall be the full face or self centering flat ring type. Gaskets used for hydrocarbon service shall be bonded with NBR.

b. Brazing Material: Brazing material shall conform to AWS A5.8/A5.8M, BCuP-5.

c. Brazing Flux: Flux shall be in paste or liquid form appropriate for use with brazing material. Flux shall be as follows: lead-free; have a 100 percent flushable residue; contain slightly acidic reagents; contain potassium borides; and contain fluorides.

d. PTFE Tape: PTFE Tape, for use with Threaded Metal or Plastic Pipe.

e. Rubber Gaskets for Cast-Iron Soil-Pipe and Fittings (hub and spigot type and hubless type): ASTM C564.

f. Rubber Gaskets for Grooved Pipe: ASTM D2000, maximum temperature 230 degrees F.

g. Flexible Elastomeric Seals: ASTM D3139, ASTM D3212 or ASTM F477.

h. Bolts and Nuts for Grooved Pipe Couplings: Heat-treated carbon steel, ASTM A183.

i. Solvent Cement for Transition Joints between ABS and PVC Nonpressure Piping Components: ASTM D3138.

j. Plastic Solvent Cement for ABS Plastic Pipe: ASTM D2235.

k. Plastic Solvent Cement for PVC Plastic Pipe: ASTM D2564 and ASTM D2855.

l. Plastic Solvent Cement for CPVC Plastic Pipe: ASTM F493.

m. Flanged fittings including flanges, bolts, nuts, bolt patterns, etc., shall be in accordance with ASME B16.5 class 150 and shall have the manufacturer's trademark affixed in accordance with MSS SP-25. Flange material shall conform to ASTM A105/A105M. Blind flange material shall conform to ASTM A516/A516M cold service and ASTM A515/A515M for hot service. Bolts shall be high strength or intermediate strength with material conforming to ASTM A193/A193M.

n. Plastic Solvent Cement for Styrene Rubber Plastic Pipe: ASTM D3122.

o. Press fittings for Copper Pipe and Tube: Copper press fittings shall conform to the material and sizing requirements of ASME B16.18 or ASME B16.22 and performance criteria of IAPMO PS 117. Sealing elements for copper press fittings shall be EPDM, FKM or HNBR. Sealing elements shall be factory installed or an alternative supplied fitting manufacturer. Sealing element shall be selected based on manufacturer's approved application guidelines.

p. Copper tubing shall conform to ASTM B88, Type K, L or M.

q. Heat-fusion joints for polypropylene piping: ASTM F2389.

2.1.2 Miscellaneous Materials

Miscellaneous materials shall conform to the following:

d. Hose Clamps: SAE J1508.

e. Supports for Off-The-Floor Plumbing Fixtures: ASME A112.6.1M.

a. Metallic Cleanouts: ASME A112.36.2M.

b. Hypochlorites: AWWA B300.

c. Liquid Chlorine: AWWA B301.

d. Gauges - Pressure and Vacuum Indicating Dial Type - Elastic Element: ASME B40.100.

1. Thermometers: ASTM E1. Mercury shall not be used in thermometers.

2.1.3 Pipe Insulation Material

Insulation shall be as specified in Section 23 07 00 THERMAL INSULATION FOR MECHANICAL SYSTEMS.

2.2 PIPE HANGERS, INSERTS, AND SUPPORTS

Pipe hangers, inserts, and supports shall conform to MSS SP-58 and MSS SP-69.

2.3 VALVES

Valves shall be provided on supplies to equipment and fixtures. Valves 2-1/2 inches and smaller shall be bronze with threaded bodies for pipe and solder-type connections for tubing. Valves 3 inches and larger shall have flanged iron bodies and bronze trim. Pressure ratings shall be based upon the application. Grooved end valves may be provided if the manufacturer certifies that the valves meet the performance requirements of applicable MSS standard. Valves shall conform to the following standards:

Description	Standard
Butterfly Valves	MSS SP-67

Cast-Iron Gate Valves, Flanged and Threaded Ends	MSS SP-70
Cast-Iron Swing Check Valves, Flanged and Threaded Ends	MSS SP-71
Ball Valves with Flanged Butt-Welding Ends for General Service	MSS SP-72
Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends	MSS SP-110
Cast-Iron Plug Valves, Flanged and Threaded Ends	MSS SP-78
Bronze Gate, Globe, Angle, and Check Valves	MSS SP-80
Steel Valves, Socket Welding and Threaded Ends	ASME B16.34
Cast-Iron Globe and Angle Valves, Flanged and Threaded Ends	MSS SP-85
Backwater Valves	ASME A112.14.1
Vacuum Relief Valves	ANSI Z21.22/CSA 4.4
Water Pressure Reducing Valves	ASSE 1003
Water Heater Drain Valves	ASME BPVC SEC IV, Part HLW-810: Requirements for Potable-Water Heaters Bottom Drain Valve
Trap Seal Primer Valves	ASSE 1018
Temperature and Pressure Relief Valves for Hot Water Supply Systems	ANSI Z21.22/CSA 4.4
Temperature and Pressure Relief Valves for Automatically Fired Hot Water Boilers	ASME CSD-1 Safety Code No., Part CW, Article 5

2.3.1 Backwater Valves

Backwater valves shall be either separate from the floor drain or a combination floor drain, P-trap, and backwater valve, as shown. Valves

shall have cast-iron bodies with cleanouts large enough to permit removal of interior parts. Valves shall be of the flap type, hinged or pivoted, with revolving disks. Hinge pivots, disks, and seats shall be nonferrous metal. Disks shall be slightly open in a no-flow no-backwater condition. Cleanouts shall extend to finished floor and be fitted with threaded countersunk plugs.

2.4 MISCELLANEOUS PIPING ITEMS

2.4.1 Escutcheon Plates

Provide one piece or split hinge metal plates for piping entering floors, walls, and ceilings in exposed spaces. Provide chromium-plated on copper alloy plates or polished stainless steel finish in finished spaces. Provide paint finish on plates in unfinished spaces.

2.4 2 Pipe Sleeves

Provide where piping passes entirely through walls, ceilings, roofs, and floors. Sleeves are not required where supply drain, waste, and vent (DWV) piping passes through concrete floor slabs located on grade, except where penetrating a membrane waterproof floor.

2.4.2.1 Sleeves in Masonry and Concrete

Provide steel pipe sleeves or schedule 40 PVC plastic pipe sleeves. Sleeves are not required where drain, waste, and vent (DWV) piping passes through concrete floor slabs located on grade. Core drilling of masonry and concrete may be provided in lieu of pipe sleeves when cavities in the core-drilled hole are completely grouted smooth.

2.4.2.2 Sleeves Not in Masonry and Concrete

Provide 26 gage galvanized steel sheet or PVC plastic pipe sleeves.

2.4.3 Pipe Hangers (Supports)

Provide MSS SP-58 and MSS SP-69, Type 1 with adjustable type steel support rods, except as specified or indicated otherwise. Attach to steel joists with Type 19 or 23 clamps and retaining straps. Attach to Steel W or S beams with Type 21, 28, 29, or 30 clamps. Attach to steel angles and vertical web steel channels with Type 20 clamp with beam clamp channel adapter. Attach to horizontal web steel channel and wood with drilled hole on centerline and double nut and washer. Attach to concrete with Type 18 insert or drilled expansion anchor. Provide Type 40 insulation protection shield for insulated piping.

PART 3 EXECUTION

3.1 GENERAL INSTALLATION REQUIREMENTS

Piping located in air plenums shall conform to NFPA 90A requirements. Piping located in shafts that constitute air ducts or that enclose air ducts shall be noncombustible in accordance with NFPA 90A. Installation of plastic pipe where in compliance with NFPA may be installed in accordance with PPFA Fire Man. The plumbing system shall be installed complete with necessary fixtures, fittings, traps, valves, and accessories. Valves shall be installed with control no lower than the valve body

3.1.1 Water Pipe, Fittings, and Connections

3.1.1.1 Utilities

The piping shall be extended to fixtures, outlets, and equipment. The hot-water and cold-water piping system shall be arranged and installed to permit draining. The supply line to each item of equipment or fixture, except faucets, flush valves, or other control valves which are supplied with integral stops, shall be equipped with a shutoff valve to enable isolation of the item for repair and maintenance without interfering with operation of other equipment or fixtures. Supply piping to fixtures, faucets, hydrants, shower heads, and flushing devices shall be anchored to prevent movement.

3.1.1.2 Cutting and Repairing

The work shall be carefully laid out in advance, and unnecessary cutting of construction shall be avoided. Damage to building, piping, wiring, or equipment as a result of cutting shall be repaired by mechanics skilled in the trade involved.

3.1.1.3 Protection of Fixtures, Materials, and Equipment

Pipe openings shall be closed with caps or plugs during installation. Fixtures and equipment shall be tightly covered and protected against dirt, water, chemicals, and mechanical injury. Upon completion of the work, the fixtures, materials, and equipment shall be thoroughly cleaned, adjusted, and operated. Safety guards shall be provided for exposed rotating equipment.

3.1.1.4 Mains, Branches, and Runouts

Piping shall be installed as indicated. Pipe shall be accurately cut and worked into place without springing or forcing. Structural portions of the building shall not be weakened. Aboveground piping shall run parallel with the lines of the building, unless otherwise indicated. Branch pipes from service lines may be taken from top, bottom, or side of main, using crossover fittings required by structural or installation conditions. Supply pipes, valves, and fittings shall be kept a sufficient distance from other work and other services to permit not less than 1/2 inch between finished covering on the different services. Bare and insulated water lines shall not bear directly against building structural elements so as to transmit sound to the structure or to prevent flexible movement of the lines. Water pipe shall not be buried in or under floors unless specifically indicated or approved. Changes in pipe sizes shall be made with reducing fittings. Use of bushings will not be permitted except for use in situations in which standard factory fabricated components are furnished to accommodate specific accepted installation practice. Change in direction shall be made with fittings, except that bending of pipe 4 inches and smaller will be permitted, provided a pipe bender is used and wide sweep bends are formed. The center-line radius of bends shall be not less than six diameters of the pipe. Bent pipe showing kinks, wrinkles, flattening, or other malformations will not be acceptable.

3.1.1.5 Pipe Drains

Pipe drains indicated shall consist of 3/4 inch hose bibb with renewable seat and full port ball valve ahead of hose bibb. At other low points, 3/4 inch brass plugs or caps shall be provided. Disconnection of the supply

piping at the fixture is an acceptable drain.

3.1.1.6 Thrust Restraint

Plugs, caps, tees, valves and bends deflecting 11.25 degrees or more, either vertically or horizontally, in waterlines 4 inches in diameter or larger shall be provided with thrust blocks, where indicated, to prevent movement. Thrust blocking shall be concrete of a mix not leaner than: 1 cement, 2-1/2 sand, 5 gravel; and having a compressive strength of not less than 2000 psi after 28 days. Blocking shall be placed between solid ground and the fitting to be anchored. Unless otherwise indicated or directed, the base and thrust bearing sides of the thrust block shall be poured against undisturbed earth. The side of the thrust block not subject to thrust shall be poured against forms. The area of bearing will be as shown. Blocking shall be placed so that the joints of the fitting are accessible for repair. Steel rods and clamps, protected by galvanizing or by coating with bituminous paint, shall be used to anchor vertical down bends into gravity thrust blocks.

3.1.2 Joints

Installation of pipe and fittings shall be made in accordance with the manufacturer's recommendations. Mitering of joints for elbows and notching of straight runs of pipe for tees will not be permitted. Joints shall be made up with fittings of compatible material and made for the specific purpose intended.

3.1.2.1 Threaded

Threaded joints shall have American Standard taper pipe threads conforming to ASME B1.20.1. Only male pipe threads shall be coated with graphite or with an approved graphite compound, or with an inert filler and oil, or shall have a polytetrafluoroethylene tape applied.

3.1.2.2 Mechanical Couplings

Mechanical couplings may be used in conjunction with grooved pipe for aboveground, ferrous or non-ferrous, domestic hot and cold water systems, in lieu of unions, brazed, soldered, welded, flanged, or threaded joints.

Mechanical couplings are permitted in accessible locations including behind access plates. Flexible grooved joints will not be permitted, except as vibration isolators adjacent to mechanical equipment. Rigid grooved joints shall incorporate an angle bolt pad design which maintains metal-to-metal contact with equal amount of pad offset of housings upon installation to ensure positive rigid clamping of the pipe.

Designs which can only clamp on the bottom of the groove or which utilize gripping teeth or jaws, or which use misaligned housing bolt holes, or which require a torque wrench or torque specifications will not be permitted.

Rigid grooved pipe couplings shall be for use with grooved end pipes, fittings, valves and strainers. Rigid couplings shall be designed for not less than 125 psi service and appropriate for static head plus the pumping head, and shall provide a watertight joint.

Grooved fittings and couplings, and grooving tools shall be provided from the same manufacturer. Segmentally welded elbows shall not be used.

Grooves shall be prepared in accordance with the coupling manufacturer's latest published standards. Grooving shall be performed by qualified grooving operators having demonstrated proper grooving procedures in accordance with the tool manufacturer's recommendations.

The Contracting Officer shall be notified 24 hours in advance of test to demonstrate operator's capability, and the test shall be performed at the work site, if practical, or at a site agreed upon. The operator shall demonstrate the ability to properly adjust the grooving tool, groove the pipe, and to verify the groove dimensions in accordance with the coupling manufacturer's specifications.

3.1.2.3 Unions and Flanges

Unions, flanges and mechanical couplings shall not be concealed in walls, ceilings, or partitions. Unions shall be used on pipe sizes 2-1/2 inches and smaller; flanges shall be used on pipe sizes 3 inches and larger.

3.1.2.4 Grooved Mechanical Joints

Grooves shall be prepared according to the coupling manufacturer's instructions. Grooved fittings, couplings, and grooving tools shall be products of the same manufacturer. Pipe and groove dimensions shall comply with the tolerances specified by the coupling manufacturer. The diameter of grooves made in the field shall be measured using a "go/no-go" gauge, vernier or dial caliper, narrow-land micrometer, or other method specifically approved by the coupling manufacturer for the intended application. Groove width and dimension of groove from end of pipe shall be measured and recorded for each change in grooving tool setup to verify compliance with coupling manufacturer's tolerances. Grooved joints shall not be used in concealed locations.

3.1.2.5 Cast Iron Soil, Waste and Vent Pipe

Bell and spigot compression and hubless gasketed clamp joints for soil, waste and vent piping shall be installed per the manufacturer's recommendations.

3.1.2.6 Copper Tube and Pipe

a. Brazed. Brazed joints shall be made in conformance with AWS B2.2/B2.2M, ASME B16.50, and CDA A4015 with flux and are acceptable for all pipe sizes. Copper to copper joints shall include the use of copper-phosphorus or copper-phosphorus-silver brazing metal without flux. Brazing of dissimilar metals (copper to bronze or brass) shall include the use of flux with either a copper-phosphorus, copper-phosphorus-silver or a silver brazing filler metal.

b. Soldered. Soldered joints shall be made with flux and are only acceptable for piping 2 inches and smaller. Soldered joints shall conform to ASME B31.5 and CDA A4015. Soldered joints shall not be used in compressed air piping between the air compressor and the receiver.

c. Copper Tube Extracted Joint. Mechanically extracted joints shall be made in accordance with ICC IPC.

d. Press connection. Copper press connections shall be made in **strict** accordance with the manufacturer's installation instructions for manufactured rated size. The joints shall be pressed using the tool(s)

approved by the manufacturer **of that joint**. Minimum distance between fittings shall be in accordance with the manufacturer's requirements.

3.1.2.7 Plastic Pipe

Acrylonitrile-Butadiene-Styrene (ABS) pipe shall have joints made with solvent cement. PVC and CPVC pipe shall have joints made with solvent cement elastomeric, threading, (threading of Schedule 80 Pipe is allowed only where required for disconnection and inspection; threading of Schedule 40 Pipe is not allowed), or mated flanged.

3.1.2.8 Glass Pipe

Joints for corrosive waste glass pipe and fittings shall be made with corrosion-resisting steel compression-type couplings with acrylonitrile rubber gaskets lined with polytetrafluoroethylene.

3.1.2.9 Corrosive Waste Plastic Pipe

Joints for polyolefin pipe and fittings shall be made by mechanical joint or electrical fusion coil method in accordance with ASTM D2657 and ASTM F1290. Joints for filament-wound reinforced thermosetting resin pipe shall be made in accordance with manufacturer's instructions. Unions or flanges shall be used where required for disconnection and inspection.

3.1.2.10 Polypropylene Pipe

Joints for polypropylene pipe and fittings shall be made by heat fusion welding socket-type or butt-fusion type fittings and shall comply with ASTM F2389.

3.1.2.11 Other Joint Methods

3.1.3 Dissimilar Pipe Materials

Connections between ferrous and non-ferrous copper water pipe shall be made with dielectric unions or flange waterways. Dielectric waterways shall have temperature and pressure rating equal to or greater than that specified for the connecting piping. Waterways shall have metal connections on both ends suited to match connecting piping. Dielectric waterways shall be internally lined with an insulator specifically designed to prevent current flow between dissimilar metals. Dielectric flanges shall meet the performance requirements described herein for dielectric waterways. Connecting joints between plastic and metallic pipe shall be made with transition fitting for the specific purpose.

3.1.4 Pipe Sleeves and Flashing

Pipe sleeves shall be furnished and set in their proper and permanent location.

3.1.4.1 Sleeve Requirements

Unless indicated otherwise, provide pipe sleeves meeting the following requirements:

Secure sleeves in position and location during construction. Provide sleeves of sufficient length to pass through entire thickness of walls, ceilings, roofs, and floors.

A modular mechanical type sealing assembly may be installed in lieu of a waterproofing clamping flange and caulking and sealing of annular space between pipe and sleeve. The seals shall consist of interlocking synthetic rubber links shaped to continuously fill the annular space between the pipe and sleeve using galvanized steel bolts, nuts, and pressure plates. The links shall be loosely assembled with bolts to form a continuous rubber belt around the pipe with a pressure plate under each bolt head and each nut. After the seal assembly is properly positioned in the sleeve, tightening of the bolt shall cause the rubber sealing elements to expand and provide a watertight seal between the pipe and the sleeve. Each seal assembly shall be sized as recommended by the manufacturer to fit the pipe and sleeve involved.

Sleeves shall not be installed in structural members, except where indicated or approved. Rectangular and square openings shall be as detailed. Each sleeve shall extend through its respective floor, or roof, and shall be cut flush with each surface, except for special circumstances. Pipe sleeves passing through floors in wet areas such as mechanical equipment rooms, lavatories, kitchens, and other plumbing fixture areas shall extend a minimum of 4 inches above the finished floor.

Unless otherwise indicated, sleeves shall be of a size to provide a minimum of 1/4 inch clearance between bare pipe or insulation and inside of sleeve or between insulation and inside of sleeve. Sleeves in bearing walls and concrete slab on grade floors shall be steel pipe or cast-iron pipe. Sleeves in nonbearing walls or ceilings may be steel pipe, cast-iron pipe, galvanized sheet metal with lock-type longitudinal seam, or plastic.

Except as otherwise specified, the annular space between pipe and sleeve, or between jacket over insulation and sleeve, shall be sealed as indicated with sealants conforming to ASTM C920 and with a primer. The annular space between pipe and sleeve, between bare insulation and sleeve or between jacket over insulation and sleeve shall not be sealed for interior walls which are not designated as fire rated.

Sleeves through below-grade walls in contact with earth shall be recessed 1/2 inch from wall surfaces on both sides. Annular space between pipe and sleeve shall be filled with backing material and sealants in the joint between the pipe and concrete or masonry wall as specified above. Sealant selected for the earth side of the wall shall be compatible with dampproofing/waterproofing materials that are to be applied over the joint sealant.

3.1.4.2 Flashing Requirements

Pipes passing through roof shall be installed through a 16 ounce copper flashing, each within an integral skirt or flange. Flashing shall be suitably formed, and the skirt or flange shall extend not less than 8 inches from the pipe and shall be set over the roof or floor membrane in a solid coating of bituminous cement. The flashing shall extend up the pipe a minimum of 10 inches. For cleanouts, the flashing shall be turned down into the hub and caulked after placing the ferrule. Pipes passing through pitched roofs shall be flashed, using lead or copper flashing, with an adjustable integral flange of adequate size to extend not less than 8 inches from the pipe in all directions and lapped into the roofing to provide a watertight seal. The annular space between the flashing and the bare pipe or between the flashing and the metal-jacket-covered insulation shall be sealed as indicated. Flashing for dry vents shall be turned down into the

pipe to form a waterproof joint. Pipes, up to and including 10 inches in diameter, passing through roof or floor waterproofing membrane may be installed through a cast-iron sleeve with caulking recess, anchor lugs, flashing-clamp device, and pressure ring with brass bolts. Flashing shield shall be fitted into the sleeve clamping device. Pipes passing through wall waterproofing membrane shall be sleeved as described above. A waterproofing clamping flange shall be installed.

3.1.4.3 Waterproofing

Waterproofing at floor-mounted water closets shall be accomplished by forming a flashing guard from soft-tempered sheet copper. The center of the sheet shall be perforated and turned down approximately 1-1/2 inches to fit between the outside diameter of the drainpipe and the inside diameter of the cast-iron or steel pipe sleeve. The turned-down portion of the flashing guard shall be embedded in sealant to a depth of approximately 1-1/2 inches; then the sealant shall be finished off flush to floor level between the flashing guard and drainpipe. The flashing guard of sheet copper shall extend not less than 8 inches from the drainpipe and shall be lapped between the floor membrane in a solid coating of bituminous cement. If cast-iron water closet floor flanges are used, the space between the pipe sleeve and drainpipe shall be sealed with sealant and the flashing guard shall be upturned approximately 1-1/2 inches to fit the outside diameter of the drainpipe and the inside diameter of the water closet floor flange The upturned portion of the sheet fitted into the floor flange shall be sealed.

3.1.4.4 Optional Counterflashing

Instead of turning the flashing down into a dry vent pipe, or caulking and sealing the annular space between the pipe and flashing or metal-jacket-covered insulation and flashing, counterflashing may be accomplished by utilizing the following:

a. A standard roof coupling for threaded pipe up to 6 inches in diameter.

b. A tack-welded or banded-metal rain shield around the pipe.

3.1.4.5 Pipe Penetrations

Provide sealants for all pipe penetrations. All pipe penetrations shall be sealed to prevent infiltration of air, insects, and vermin.

3.1.5 Fire Seal

Where pipes pass through fire walls, fire-partitions, fire-rated pipe chase walls or floors above grade, a fire seal shall be provided

3.1.6 Supports

3.1.6.1 General

Hangers used to support piping 2 inches and larger shall be fabricated to permit adequate adjustment after erection while still supporting the load. Pipe guides and anchors shall be installed to keep pipes in accurate alignment, to direct the expansion movement, and to prevent buckling, swaying, and undue strain. Piping subjected to vertical movement when operating temperatures exceed ambient temperatures shall be supported by variable spring hangers and supports or by constant support hangers In

the support of multiple pipe runs on a common base member, a clip or clamp shall be used where each pipe crosses the base support member. Spacing of the base support members shall not exceed the hanger and support spacing required for an individual pipe in the multiple pipe run. Threaded sections of rods shall not be formed or bent.

3.1.6.2 Pipe Hangers, Inserts, and Supports

Installation of pipe hangers, inserts and supports shall conform to MSS SP-58 and MSS SP-69, except as modified herein.

a. Types 5, 12, and 26 shall not be used.

b. Type 3 shall not be used on insulated pipe.

c. Type 18 inserts shall be secured to concrete forms before concrete is placed. Continuous inserts which allow more adjustment may be used if they otherwise meet the requirements for type 18 inserts.

d. Type 19 and 23 C-clamps shall be torqued per MSS SP-69 and shall have both locknuts and retaining devices furnished by the manufacturer. Field-fabricated C-clamp bodies or retaining devices are not acceptable.

e. Type 20 attachments used on angles and channels shall be furnished with an added malleable-iron heel plate or adapter.

f. Type 24 may be used only on trapeze hanger systems or on fabricated frames.

g. Type 39 saddles shall be used on insulated pipe 4 inches and larger when the temperature of the medium is 60 degrees F or higher. Type 39 saddles shall be welded to the pipe.

h. Type 40 shields shall:

(1) Be used on insulated pipe less than 4 inches.

(2) Be used on insulated pipe 4 inches and larger when the temperature of the medium is 60 degrees F or less.

(3) Have a high density insert for all pipe sizes. High density inserts shall have a density of 8 pcf or greater.

i. Horizontal pipe supports shall be spaced as specified in MSS SP-69 and a support shall be installed not over 1 foot from the pipe fitting joint at each change in direction of the piping. Pipe supports shall be spaced not over 5 feet apart at valves. Operating temperatures in determining hanger spacing for PVC or CPVC pipe shall be 120 degrees F for PVC and 180 degrees F for CPVC. Horizontal pipe runs shall include allowances for expansion and contraction.

j. Vertical pipe shall be supported at each floor, except at slab-on-grade, at intervals of not more than 15 feet nor more than 8 feet from end of risers, and at vent terminations. Vertical pipe risers shall include allowances for expansion and contraction.

k. Type 35 guides using steel, reinforced polytetrafluoroethylene (PTFE) or graphite slides shall be provided to allow longitudinal pipe movement. Slide materials shall be suitable for the system operating

temperatures, atmospheric conditions, and bearing loads encountered. Lateral restraints shall be provided as needed. Where steel slides do not require provisions for lateral restraint the following may be used:

(1) On pipe 4 inches and larger when the temperature of the medium is 60 degrees F or higher, a Type 39 saddle, welded to the pipe, may freely rest on a steel plate.

(2) On pipe less than 4 inches a Type 40 shield, attached to the pipe or insulation, may freely rest on a steel plate.

(3) On pipe 4 inches and larger carrying medium less that 60 degrees F a Type 40 shield, attached to the pipe or insulation, may freely rest on a steel plate.

l. Pipe hangers on horizontal insulated pipe shall be the size of the outside diameter of the insulation. The insulation shall be continuous through the hanger on all pipe sizes and applications.

m. Where there are high system temperatures and welding to piping is not desirable, the type 35 guide shall include a pipe cradle, welded to the guide structure and strapped securely to the pipe. The pipe shall be separated from the slide material by at least 4 inches or by an amount adequate for the insulation, whichever is greater.

n. Hangers and supports for plastic pipe shall not compress, distort, cut or abrade the piping, and shall allow free movement of pipe except where otherwise required in the control of expansion/contraction.

3.1.6.3 Structural Attachments

Attachment to building structure concrete and masonry shall be by cast-in concrete inserts, built-in anchors, or masonry anchor devices. Inserts and anchors shall be applied with a safety factor not less than 5. Supports shall not be attached to metal decking. Supports shall not be attached to the underside of concrete filled floor or concrete roof decks unless approved by the Contracting Officer. Masonry anchors for overhead applications shall be constructed of ferrous materials only.

3.1.7 Welded Installation

Plumbing pipe weldments shall be as indicated. Changes in direction of piping shall be made with welding fittings only; mitering or notching pipe to form elbows and tees or other similar type construction will not be permitted. Branch connection may be made with either welding tees or forged branch outlet fittings. Branch outlet fittings shall be forged, flared for improvement of flow where attached to the run, and reinforced against external strains. Beveling, alignment, heat treatment, and inspection of weld shall conform to ASME B31.1. Weld defects shall be removed and repairs made to the weld, or the weld joints shall be entirely removed and rewelded. After filler metal has been removed from its original package, it shall be protected or stored so that its characteristics or welding properties are not affected. Electrodes that have been wetted or that have lost any of their coating shall not be used.

3.1 8 Pipe Cleanouts

Pipe cleanouts shall be the same size as the pipe except that cleanout plugs larger than 4 inches will not be required. A cleanout installed in

connection with cast-iron soil pipe shall consist of a long-sweep 1/4 bend or one or two 1/8 bends extended to the place shown. An extra-heavy cast-brass or cast-iron ferrule with countersunk cast-brass head screw plug shall be caulked into the hub of the fitting and shall be flush with the floor. Cleanouts in connection with other pipe, where indicated, shall be T-pattern, 90-degree branch drainage fittings with cast-brass screw plugs, except plastic plugs shall be installed in plastic pipe. Plugs shall be the same size as the pipe up to and including 4 inches. Cleanout tee branches with screw plug shall be installed at the foot of soil and waste stacks, at the foot of interior downspouts, on each connection to building storm drain where interior downspouts are indicated, and on each building drain outside the building. Cleanout tee branches may be omitted on stacks in single story buildings with slab-on-grade construction or where less than 18 inches of crawl space is provided under the floor. Cleanouts on pipe concealed in partitions shall be provided with chromium plated bronze, nickel bronze, nickel brass or stainless steel flush type access cover plates. Round access covers shall be provided and secured to plugs with securing screw. Square access covers may be provided with matching frames, anchoring lugs and cover screws. Cleanouts in finished walls shall have access covers and frames installed flush with the finished wall. Cleanouts installed in finished floors subject to foot traffic shall be provided with a chrome-plated cast brass, nickel brass, or nickel bronze cover secured to the plug or cover frame and set flush with the finished floor. Heads of fastening screws shall not project above the cover surface. Where cleanouts are provided with adjustable heads, the heads shall be cast iron or plastic.

3.2 IDENTIFICATION SYSTEMS

3.2.1 Identification Tags

Identification tags made of brass, engraved laminated plastic, or engraved anodized aluminum, indicating service and valve number shall be installed on valves, except those valves installed on supplies at plumbing fixtures. Tags shall be 1-3/8 inch minimum diameter, and marking shall be stamped or engraved. Indentations shall be black, for reading clarity. Tags shall be attached to valves with No. 12 AWG, copper wire, chrome-plated beaded chain, or plastic straps designed for that purpose.

3.2.2 Pipe Color Code Marking

Color code marking of piping shall be as specified in Section 09 90 00 PAINTS AND COATINGS.

3.2.3 Color Coding Scheme for Locating Hidden Utility Components

Scheme shall be provided in buildings having suspended grid ceilings. The color coding scheme shall identify points of access for maintenance and operation of operable components which are not visible from the finished space and installed in the space directly above the suspended grid ceiling. The operable components shall include valves, dampers, switches, linkages and thermostats. The color coding scheme shall consist of a color code board and colored metal disks. Each colored metal disk shall be approximately 3/8 inch in diameter and secured to removable ceiling panels with fasteners. The fasteners shall be inserted into the ceiling panels so that the fasteners will be concealed from view. The fasteners shall be manually removable without tools and shall not separate from the ceiling panels when panels are dropped from ceiling height. Installation of colored metal disks shall follow completion of the finished surface on

which the disks are to be fastened. The color code board shall have the approximate dimensions of 3 foot width, 30 inches height, and 1/2 inch thickness. The board shall be made of wood fiberboard and framed under glass or 1/16 inch transparent plastic cover. Unless otherwise directed, the color code symbols shall be approximately 3/4 inch in diameter and the related lettering in 1/2 inch high capital letters. The color code board shall be mounted and located in the mechanical or equipment room. The color code system shall be as indicated below:

Color	System	Item	Location
(_____)	(_____)	(_____)	(_____)

3.3 ESCUTCHEONS

Escutcheons shall be provided at finished surfaces where bare or insulated piping, exposed to view, passes through floors, walls, or ceilings, except in boiler, utility, or equipment rooms. Escutcheons shall be fastened securely to pipe or pipe covering and shall be satin-finish, corrosion-resisting steel, polished chromium-plated zinc alloy, or polished chromium-plated copper alloy. Escutcheons shall be either one-piece or split-pattern, held in place by internal spring tension or setscrew.

3.4 PAINTING

Painting of pipes, hangers, supports, and other iron work, either in concealed spaces or exposed spaces, is specified in Section 09 90 00 PAINTS AND COATINGS.

3.5 TESTS, FLUSHING AND DISINFECTION

3.5.1 Plumbing System

The following tests shall be performed on the plumbing system in accordance with ICC IPC, except that the drainage and vent system final test shall include the smoke test. The Contractor has the option to perform a peppermint test in lieu of the smoke test. If a peppermint test is chosen, the Contractor must submit a testing procedure to the Contracting Officer for approval.

a. Drainage and Vent Systems Test. The final test shall include a smoke test.

b. Building Sewers Tests.

c. Water Supply Systems Tests.

3.5.2 Defective Work

If inspection or test shows defects, such defective work or material shall be replaced or repaired as necessary and inspection and tests shall be repeated. Repairs to piping shall be made with new materials. Caulking of screwed joints or holes will not be acceptable.

3.5.3 System Flushing

3.5.3.1 During Flushing

Before operational tests or disinfection, potable water piping system shall

be flushed with potable water. Sufficient water shall be used to produce a water velocity that is capable of entraining and removing debris in all portions of the piping system. This requires simultaneous operation of all fixtures on a common branch or main in order to produce a flushing velocity of approximately 4 fps through all portions of the piping system. In the event that this is impossible due to size of system, the Contracting Officer (or the designated representative) shall specify the number of fixtures to be operated during flushing. Contractor shall provide adequate personnel to monitor the flushing operation and to ensure that drain lines are unobstructed in order to prevent flooding of the facility. Contractor shall be responsible for any flood damage resulting from flushing of the system. Flushing shall be continued until entrained dirt and other foreign materials have been removed and until discharge water shows no discoloration. All faucets and drinking water fountains, to include any device considered as an end point device by NSF/ANSI 61, Section 9, shall be flushed a minimum of 0.25 gallons per 24 hour period, ten times over a 14 day period.

3.5.3.2 After Flushing

System shall be drained at low points. Strainer screens shall be removed, cleaned, and replaced. After flushing and cleaning, systems shall be prepared for testing by immediately filling water piping with clean, fresh potable water. Any stoppage, discoloration, or other damage to the finish, furnishings, or parts of the building due to the Contractor's failure to properly clean the piping system shall be repaired by the Contractor. When the system flushing is complete, the hot-water system shall be adjusted for uniform circulation. Flushing devices and automatic control systems shall be adjusted for proper operation according to manufacturer's instructions. Comply with ASHRAE 90.1 - IP for minimum efficiency requirements. Unless more stringent local requirements exist, lead levels shall not exceed limits established by 40 CFR 141.80 (c)(1). The water supply to the building shall be tested separately to ensure that any lead contamination found during potable water system testing is due to work being performed inside the building.

3.5.4 Operational Test

Upon completion of flushing and prior to disinfection procedures, the Contractor shall subject the plumbing system to operating tests to demonstrate satisfactory installation, connections, adjustments, and functional and operational efficiency. Such operating tests shall cover a period of not less than 8 hours for each system and shall include the following information in a report with conclusion as to the adequacy of the system:

a. Time, date, and duration of test.

b. Water pressures at the most remote and the highest fixtures.

c. Operation of each fixture and fixture trim.

d. Operation of each valve, hydrant, and faucet.

e. Pump suction and discharge pressures.

f. Temperature of each domestic hot-water supply.

g. Operation of each floor and roof drain by flooding with water.

h. Operation of each vacuum breaker and backflow preventer.

i. Complete operation of each water pressure booster system, including pump start pressure and stop pressure.

j. Compressed air readings at each compressor and at each outlet. Each indicating instrument shall be read at 1/2 hour intervals. The report of the test shall be submitted in quadruplicate. The Contractor shall furnish instruments, equipment, and personnel required for the tests; the Government will furnish the necessary water and electricity.

3.5.5 Disinfection

After all system components are provided and operational tests are complete, the entire domestic hot- and cold-water distribution system shall be disinfected. Before introducing disinfecting chlorination material, entire system shall be flushed with potable water until any entrained dirt and other foreign materials have been removed.

Water chlorination procedure shall be in accordance with AWWA C651 and AWWA C652 as modified and supplemented by this specification. The chlorinating material shall be hypochlorites or liquid chlorine. The chlorinating material shall be fed into the water piping system at a constant rate at a concentration of at least 50 parts per million (ppm). Feed a properly adjusted hypochlorite solution injected into the system with a hypochlorinator, or inject liquid chlorine into the system through a solution-feed chlorinator and booster pump until the entire system is completely filled.

Test the chlorine residual level in the water at 6 hour intervals for a continuous period of 24 hours. If at the end of a 6 hour interval, the chlorine residual has dropped to less than 25 ppm, flush the piping including tanks with potable water, and repeat the above chlorination procedures. During the chlorination period, each valve and faucet shall be opened and closed several times.

After the second 24 hour period, verify that no less than 25 ppm chlorine residual remains in the treated system. The 24 hour chlorination procedure must be repeated until no less than 25 ppm chlorine residual remains in the treated system.

Upon the specified verification, the system including tanks shall then be flushed with potable water until the residual chlorine level is reduced to less than one part per million. During the flushing period, each valve and faucet shall be opened and closed several times.

Take addition samples of water in disinfected containers, for bacterial examination, at locations specified by the Contracting Officer Test these samples for total coliform organisms (coliform bacteria, fecal coliform, streptococcal, and other bacteria) in accordance with AWWA 10084. The testing method used shall be EPA approved for drinking water systems and shall comply with applicable local and state requirements.

Disinfection shall be repeated until bacterial tests indicate the absence of coliform organisms (zero mean coliform density per 100 milliliters) in the samples for at least 2 full days. The system will not be accepted until satisfactory bacteriological results have been obtained.

3.6 WASTE MANAGEMENT

Place materials defined as hazardous or toxic waste in designated containers. Return solvent and oil soaked rags for contaminant recovery and laundering or for proper disposal. Close and seal tightly partly used sealant and adhesive containers and store in protected, well-ventilated, fire-safe area at moderate temperature. Place used sealant and adhesive tubes and containers in areas designated for hazardous waste. Separate copper and ferrous pipe waste in accordance with the Waste Management Plan and recycle.

3.7 POSTED INSTRUCTIONS

Framed instructions under glass or in laminated plastic, including wiring and control diagrams showing the complete layout of the entire system, shall be posted where directed. Condensed operating instructions explaining preventive maintenance procedures, methods of checking the system for normal safe operation, and procedures for safely starting and stopping the system shall be prepared in typed form, framed as specified above for the wiring and control diagrams and posted beside the diagrams. The framed instructions shall be posted before acceptance testing of the systems.

3.8 TABLES

TABLE I

PIPE AND FITTING MATERIALS FOR DRAINAGE, WASTE, AND VENT PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D	SERVICE E	SERVICE F
1	Cast iron soil pipe and fittings, hub and spigot, ASTM A74 with compression gaskets. Pipe and fittings shall be marked with the CISPI trademark.	X	X	X	X	X	
2	Cast iron soil pipe and fittings hubless, CISPI 301 and ASTM A888 Pipe and fittings shall be marked with the CISPI trademark.		X	X	X	X	
3	Cast iron drainage fittings, threaded, ASME B16.12 for use with Item 10	X		X	X		

TABLE I							
PIPE AND FITTING MATERIALS FOR DRAINAGE, WASTE, AND VENT PIPING SYSTEMS							
Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D	SERVICE E	SERVICE F
4	Cast iron screwed fittings (threaded) ASME B16.4 for use with Item 10				X	X	
5	Grooved pipe couplings, ferrous and non-ferrous pipe ASTM A536 And ASTM A47/A47M	X	X		X	X	
6	Ductile iron grooved joint fittings for ferrous pipe ASTM A536 and ASTM A47/A47M for use with Item 5	X	X		X	X	
7	Bronze sand casting grooved joint pressure fittings for non-ferrous pipe ASTM B584, for use with Item 5	X	X		X	X	
8	Wrought copper grooved joint pressure pressure fittings for non-ferrous pipe ASTM B75/B75M C12200, ASTM B152/B152M, C11000, ASME B16.22 ASME B16.22 for use with Item 5	X	X				
9	Malleable-iron threaded fittings, galvanized ASME B16.3 for use with Item 10				X	X	
10	Steel pipe, seamless galvanized, ASTM A53/A53M, Type S, Grade B	X			X	X	

TABLE I

PIPE AND FITTING MATERIALS FOR DRAINAGE, WASTE, AND VENT PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D	SERVICE E	SERVICE F
11	Seamless red brass pipe, ASTM B43				X	X	
12	Bronzed flanged fittings, ASME B16.24 for use with Items 11 and 14				X	X	
13	Cast copper alloy solder joint pressure fittings, ASME B16.18 for use with Item 14				X	X	
14	Seamless copper pipe, ASTM B42						X
15	Cast bronze threaded fittings, ASME B16.15				X	X	
16	Copper drainage tube, (DWV), ASTM B306	X*	X	X*	X	X	
17	Wrought copper and wrought alloy solder-joint drainage fittings. ASME B16.29	X	X	X	X	X	
18	Cast copper alloy solder joint drainage fittings, DWV, ASME B16.23	X	X	X	X	X	
19	Acrylonitrile-Butadiene (ABS) plastic drain, waste, and vent pipe and fittings ASTM D2661 ASTM F628	X	X	X	X	X	X
20	Polyvinyl Chloride plastic drain, waste and vent pipe and fittings, ASTM D2665, ASTM F891, (Sch 40) ASTM F1760	X	X	X	X	X	X

TABLE I

PIPE AND FITTING MATERIALS FOR DRAINAGE, WASTE, AND VENT PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D	SERVICE E	SERVICE F
21	Process glass pipe and fittings, ASTM C1053						X
22	High-silicon content cast iron pipe and fittings (hub and spigot, and mechanical joint), ASTM A518/A518M		X			X	X
23	Polypropylene (PP) waste pipe and fittings, ASTM D4101						X
24	Filament-wound reinforced thermosetting resin (RTRP) pipe, ASTM D2996						X

SERVICE:
A - Underground Building Soil, Waste and Storm Drain
B - Aboveground Soil, Waste, Drain In Buildings
C - Underground Vent
D - Aboveground Vent
E - Interior Rainwater Conductors Aboveground
F - Corrosive Waste And Vent Above And Belowground
* - Hard Temper

TABLE II

PIPE AND FITTING MATERIALS FOR PRESSURE PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D
1	Malleable-iron threaded fittings:				
	a. Galvanized, ASME B16.3 for use with Item 4a	X	X	X	X
	b. Same as "a" but not galvanized for use with Item 4b			X	

TABLE II					
PIPE AND FITTING MATERIALS FOR PRESSURE PIPING SYSTEMS					
Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D
2	Grooved pipe couplings, ferrous pipe ASTM A536 and ASTM A47/A47M non-ferrous pipe, ASTM A536 and ASTM A47/A47M	X	X	X	
3	Ductile iron grooved joint fittings for ferrous pipe ASTM A536 and ASTM A47/A47M, for use with Item 2	X	X	X	
4	Steel pipe:				
	a. Seamless, galvanized, ASTM A53/A53M, Type S, Grade B	X	X	X	X
	b. Seamless, black, ASTM A53/A53M, Type S, Grade B			X	
5	Seamless red brass pipe, ASTM B43	X	X		X
6	Bronze flanged fittings, ASME B16.24 for use with Items 5 and 7	X	X		X
7	Seamless copper pipe, ASTM B42	X	X		X
8	Seamless copper water tube, ASTM B88, ASTM B88M	X**	X**	X**	X***
9	Cast bronze threaded fittings, ASME B16.15 for use with Items 5 and 7	X	X		X
10	Wrought copper and bronze solder-joint pressure fittings, ASME B16.22 for use with Items 5, 7 and 8	X	X	X	X
11	Cast copper alloy solder-joint pressure fittings, ASME B16.18 for use with Item 8	X	X	X	X

TABLE II

PIPE AND FITTING MATERIALS FOR PRESSURE PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D
12	Bronze and sand castings groovedjoint pressure fittings for non-ferrous pipe ASTM B584, for use with Item 2	X	X	X	
13	Polyethylene (PE) plastic pipe, Schedules 40 and 80, based on outside diameter	X			X
14	Polyethylene (PE) plastic pipe (SDR-PR), based on controlled outside diameter, ASTM D3035	X			X
15	Polyethylene (PE) plastic pipe (SIDR-PR), based on controlled inside diameter, ASTM D2239	X			X
16	Butt fusion polyethylene (PE) plastic pipe fittings, ASTM D3261 for use with Items 14, 15, and 16	X			X
17	Socket-type polyethylene fittings for outside diameter-controlled polyethylene pipe, ASTM D2683 for use with Item 15	X			X
18	Polyethylene (PE) plastic tubing, ASTM D2737	X			X
19	Chlorinated polyvinyl chloride (CPVC) plastic hot and cold water distribution system, ASTM D2846/D2846M	X	X		X
20	Chlorinated polyvinyl chloride (CPVC) plastic pipe, Schedule 40 and 80, ASTM F441/F441M	X	X		X
21	Chlorinated polyvinyl chloride (CPVC) plastic pipe (SDR-PR) ASTM F442/F442M	X	X		X

TABLE II

PIPE AND FITTING MATERIALS FOR PRESSURE PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D
22	Threaded chlorinated polyvinyl chloride (chloride CPVC) plastic pipe fittings, Schedule 80, ASTM F437, for use with Items 20, and 21	X	X		X
23	Socket-type chlorinated polyvinyl chloride (CPVC) plastic pipe fittings, Schedule 40, ASTM F438 for use with Items 20, 21, and 22	X	X		X
24	Socket-type chlorinated polyvinyl chloride (CPVC) plastic pipe fittings Schedule 80, ASTM F439 for use with Items 20, 21, and 22	X	X		X
25	Polyvinyl chloride (PVC) plastic pipe, Schedules 40, 80, and 120, ASTM D1785	X			X
26	Polyvinyl chloride (PVC) pressure-rated pipe (SDR Series), ASTM D2241	X			X
27	Polyvinyl chloride (PVC) plastic pipe fittings, Schedule 40, ASTM D2466	X			X
28	Socket-type polyvinyl chloride (PVC) plastic pipe fittings, schedule 80, ASTM D2467 for use with Items 26 and 27	X			X
29	Threaded polyvinyl chloride (PVC) plastic pipe fittings, schedule 80, ASTM D2464	X			X
30	Joints for IPS PVC pipe using solvent cement, ASTM D2672	X			X
31	Polypropylene (PP) plastic pipe and fittings; ASTM F2389	X	X		X

TABLE II

PIPE AND FITTING MATERIALS FOR PRESSURE PIPING SYSTEMS

Item #	Pipe and Fitting Materials	SERVICE A	SERVICE B	SERVICE C	SERVICE D
32	Steel pipeline flanges, MSS SP-44	X	X		
33	Fittings: brass or bronze; ASME B16.15, and ASME B16.18 ASTM B828	X	X		
34	Carbon steel pipe unions, socket-welding and threaded, MSS SP-83	X	X	X	
35	Malleable-iron threaded pipe unions ASME B16.39	X	X		
36	Nipples, pipe threaded ASTM A733	X	X	X	
37	Crosslinked Polyethylene (PEX) Plastic Pipe ASTM F877	X	X		X
38	Press Fittings: A - Cold Water Service Aboveground B - Hot and Cold Water Distribution 180 degrees F Maximum Aboveground C - Compressed Air Lubricated D - Cold Water Service Belowground Indicated types are minimum wall thicknesses. ** - Type L - Hard *** - Type K - Hard temper with brazed joints only or type K-soft temper without joints in or under floors **** - In or under slab floors only brazed joints				

-- End of Section --

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DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING

SECTION 23 00 00

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SECTION 23 00 00

AIR SUPPLY, DISTRIBUTION, VENTILATION, AND EXHAUST SYSTEMS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASME INTERNATIONAL (ASME)

ASME A13.1	(2007) Scheme for the Identification of Piping Systems

SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)

SMACNA 1966	(2005) HVAC Duct Construction Standards Metal and Flexible, 3rd Edition

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 82	Protection of Stratospheric Ozone

UNDERWRITERS LABORATORIES (UL)

UL 6	(2007; reprint Nov 2010) Electrical Rigid Metal Conduit-Steel
UL Bld Mat Dir	(2012) Building Materials Directory

1.2 SYSTEM DESCRIPTION

Furnish ductwork, piping offsets, fittings, and accessories as required to provide a complete installation. Coordinate the work of the different trades to avoid interference between piping, equipment, structural, and electrical work. Provide complete, in place, all necessary offsets in piping and ductwork, and all fittings, and other components, required to install the work as indicated and specified.

1.2.1 Color Coding

Color coding of all piping systems shall be in accordance with ASME A13.1 .

1.3 SUBMITTALS

Not used

1.4 QUALITY ASSURANCE

Except as otherwise specified, approval of materials and equipment is based on manufacturer's published data.

a. Where materials and equipment are specified to conform to the standards of the Underwriters Laboratories, the label of or listing with reexamination in UL Bld Mat Dir, and UL 6 is acceptable as sufficient evidence that the items conform to Underwriters Laboratories requirements. In lieu of such label or listing, submit a written certificate from any nationally recognized testing agency, adequately equipped and competent to perform such services, stating that the items have been tested and that the units conform to the specified requirements. Outline methods of testing used by the specified agencies.

b. Where materials or equipment are specified to be constructed or tested, or both, in accordance with the standards of the ASTM International (ASTM), the ASME International (ASME), or other standards, a manufacturer's certificate of compliance of each item is acceptable as proof of compliance.

c. Conformance to such agency requirements does not relieve the item from compliance with other requirements of these specifications.

1.4.1 Asbestos Prohibition

Do not use asbestos and asbestos-containing products.

1.4.2 Ozone Depleting Substances Used as Refrigerants

Minimize releases of Ozone Depleting Substances (ODS) during repair, maintenance, servicing or disposal of appliances containing ODS's by complying with all applicable sections of 40 CFR 82 Part 82 Subpart F. Any person conducting repair, maintenance, servicing or disposal of appliances owned by NASA shall comply with the following:

a. Do not knowingly vent or otherwise release into the environment, Class I or Class II substances used as a refrigerant.

b. Do not open appliances without meeting the requirements of 40 CFR 82 Part 82.156 Subpart F, regarding required practices for evacuation and collection of refrigerant, and 40 CFR 82 Part 82.158 Subpart F, regarding standards of recycling and recovery equipment.

c. Only persons who comply with 40 CFR 82 Part 82.161 Subpart F, regarding technician certification, can conduct work on appliances containing refrigerant.

In addition, provide copies of all applicable certifications to the Contracting Officer at least 14 calendar days prior to initiating maintenance, repair, servicing, dismantling or disposal of appliances, including:

a. Proof of Technician Certification

b. Proof of Equipment Certification for recovery or recycling equipment.

c. Proof of availability of certified recovery or recycling equipment.

1.4.3 Use of Ozone Depleting Substances, Other than Refrigerants

The use of Class I or Class II ODS's listed as nonessential in 40 CFR 82

Part 82.66 Subpart C is prohibited. These prohibited materials and uses include:

a. Any plastic party spray streamer or noise horn which is propelled by a chlorofluorocarbon

b. Any cleaning fluid for electronic and photographic equipment which contains a chlorofluorocarbon; including liquid packaging, solvent wipes, solvent sprays, and gas sprays.

c. Any plastic flexible or packaging foam product which is manufactured with or contains a chlorofluorocarbon, including, open cell foam, open cell rigid polyurethane poured foam, closed cell extruded polystyrene sheet foam, closed cell polyethylene foam and closed cell polypropylene foam except for flexible or packaging foam used in coaxial cabling.

d. Any aerosol product or other pressurized dispenser which contains a chlorofluorocarbon, except for those listed in 40 CFR 82 Part 82.66 Subpart C.

Request a waiver if a facility requirement dictates that a prohibited material is necessary to achieve project goals. Submit the waiver request in writing to the Contracting Officer. The waiver will be evaluated and dispositioned.

1.5 DELIVERY, STORAGE, AND HANDLING

Protect stored equipment at the jobsite from the weather, humidity and temperature variations, dirt and dust, or other contaminants. Additionally, cap or plug all pipes until installed.

PART 2 PRODUCTS

2.1 STANDARD PRODUCTS

Provide components and equipment that are "standard products" of a manufacturer regularly engaged in the manufacturing of products that are of a similar material, design and workmanship. "Standard products" is defined as being in satisfactory commercial or industrial use for 2 years before bid opening, including applications of components and equipment under similar circumstances and of similar size, satisfactorily completed by a product that is sold on the commercial market through advertisements, manufacturers' catalogs, or brochures. Products having less than a 2-year field service record are acceptable if a certified record of satisfactory field operation, for not less than 6000 hours exclusive of the manufacturer's factory tests, can be shown. Provide equipment items that are supported by a service organization. Where applicable, provide equipment that is an ENERGY STAR Qualified product or a Federal Energy Management Program (FEMP) designated product.

2 2 DUCT SYSTEMS

2.2.1 Metal Ductwork

Provide metal ductwork construction, including all fittings and components, that complies with SMACNA 1966, as supplemented and modified by this specification .

a. Provide radius type elbows with a centerline radius of 1.5 times the

width or diameter of the duct where space permits. Otherwise, elbows having a minimum radius equal to the width or diameter of the duct or square elbows with factory fabricated turning vanes are allowed.

b. Provide ductwork that meets the requirements of Seal Class A.

c. Provide sealants that conform to fire hazard classification specified in Section 23 07 00 THERMAL INSULATION FOR MECHANICAL SYSTEMS and are suitable for the range of air distribution and ambient temperatures to which it is exposed. Do not use pressure sensitive tape as a sealant.

d. Make spiral lock seam duct, and flat oval with duct sealant and lock with not less than 3 equally spaced drive screws or other approved methods indicated in SMACNA 1966. Apply the sealant to the exposed male part of the fitting collar so that the sealer is on the inside of the joint and fully protected by the metal of the duct fitting. Apply one brush coat of the sealant over the outside of the joint to at least 2 inch band width covering all screw heads and joint gap. Dents in the male portion of the slip fitting collar are not acceptable. Fabricate outdoor air intake ducts and plenums with watertight soldered or brazed joints and seams.

PART 3 EXECUTION

3.1 EXAMINATION

After becoming familiar with all details of the work, verify all dimensions in the field, and advise the Contracting Officer of any discrepancy before performing the work.

3.2 INSTALLATION

a. Accomplish installation by workers skilled in this type of work. Perform installation so that there is no degradation of the designed fire ratings of walls, partitions, ceilings, and floors.

b. No installation is permitted to block or otherwise impede access to any existing machine or system. Install all hinged doors to swing open a minimum of 120 degrees. Provide an area in front of all access doors that clears a minimum of 3 feet. In front of all access doors to electrical circuits, clear the area the minimum distance to energized circuits as specified in OSHA Standards, part 1910.333 (Electrical-Safety Related work practices)and an additional 3 feet.

c. Except as otherwise indicated, install emergency switches and alarms in conspicuous locations. Mount all indicators, to include gauges, meters, and alarms in order to be easily visible by people in the area.

3.2.1 Metal Ductwork

Install according to SMACNA 1966 unless otherwise indicated. Install duct supports for sheet metal ductwork according to SMACNA 1966, unless otherwise specified. Do not use friction beam clamps indicated in SMACNA 1966. Anchor risers on high velocity ducts in the center of the vertical run to allow ends of riser to move due to thermal expansion. Erect supports on the risers that allow free vertical movement of the duct. Attach supports only to structural framing members and concrete slabs. Do not anchor supports to metal decking unless a means is provided and approved for preventing the anchor from puncturing the metal decking.

Where supports are required between structural framing members, provide suitable intermediate metal framing. Where C-clamps are used, provide retainer clips.

3.2.2 Exposed Ductwork

Provide exposed ductwork that is fabricated from minimum 18 gauge, Type 304L or 316L, stainless steel with continuously welded joints and seams. Pitch ducts to drain at hoods and low points indicated. Match surface finish to hoods.

3.2.3 Insulation

Provide thickness and application of insulation materials for ductwork, piping, and equipment according to Section 23 07 00 THERMAL INSULATION FOR MECHANICAL SYSTEMS. Externally insulate outdoor air intake ducts and plenums up to the point where the outdoor air reaches the conditioning unit or up to the point where the outdoor air mixes with the return air stream.

3.3 CUTTING AND PATCHING

Install work in such a manner and at such time that a minimum of cutting and patching of the building structure is required. Make holes in exposed locations, in or through existing floors, by drilling and smooth by sanding. Use of a jackhammer is permitted only where specifically approved. Make holes through masonry walls to accommodate sleeves with an iron pipe masonry core saw.

3.4 CLEANING

Thoroughly clean surfaces of piping and equipment that have become covered with dirt, plaster, or other material during handling and construction before such surfaces are prepared for final finish painting or are enclosed within the building structure. Before final acceptance, clean mechanical equipment, including piping, ducting, and fixtures, and free from dirt, grease, and finger marks. When the work area is in an occupied space such as office, laboratory or warehouse protect all furniture and equipment from dirt and debris. Incorporate housekeeping for field construction work which leaves all furniture and equipment in the affected area free of construction generated dust and debris; and, all floor surfaces vacuum-swept clean.

3.5 Color Coding Scheme for Locating Hidden Utility Components

Use scheme in buildings having suspended grid ceilings. Provide color coding scheme that identifies points of access for maintenance and operation of components and equipment that are not visible from the finished space and are accessible from the ceiling grid, consisting of a color code board and colored metal disks. Make each colored metal disk approximately 3/8 inch diameter and secure to removable ceiling panels with fasteners Insert each fastener into the ceiling panel so as to be concealed from view. Provide fasteners that are manually removable without the use of tools and that do not separate from the ceiling panels when the panels are dropped from ceiling height. Make installation of colored metal disks follow completion of the finished surface on which the disks are to be fastened. Provide color code board that is approximately 3 foot wide, 30 inches high, and 1/2 inches thick. Make the board of wood fiberboard and frame under glass or 1/16 inch transparent plastic cover. Make the color code symbols approximately 3/4 inch in diameter and the related

lettering in 1/2 inch high capital letters. Coordinate with Contracting Officer for color coding scheme and location for installation of chart(s).

3.6 IDENTIFICATION SYSTEMS

Provide identification tags made of brass, engraved laminated plastic, or engraved anodized aluminum, indicating service and item number on all valves and dampers. Provide tags that are 1-3/8 inch minimum diameter with stamped or engraved markings. Make indentations black for reading clarity. Attach tags to valves with No. 12 AWG 0.0808-inch diameter corrosion-resistant steel wire, copper wire, chrome-plated beaded chain or plastic straps designed for that purpose.

3.7 CLEANING AND ADJUSTING

Inside of room fan-coil units thoroughly clean ducts, plenums, and casing of debris and blow free of small particles of rubbish and dust and then vacuum clean before installing outlet faces. Wipe equipment clean, with no traces of oil, dust, dirt, or paint spots. Provide temporary filters prior to startup of all fans that are operated during construction, and install new filters after all construction dirt has been removed from the building, and the ducts, plenums, casings, and other items specified have been vacuum cleaned. Maintain system in this clean condition until final acceptance. Properly lubricate bearings with oil or grease as recommended by the manufacturer. Tighten belts to proper tension. Adjust control valves and other miscellaneous equipment requiring adjustment to setting indicated or directed. Adjust fans to the speed indicated by the manufacturer to meet specified conditions. Maintain all equipment installed under the contract until close out documentation is received, the project is completed and the building has been documented as beneficially occupied.

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SECTION 23 07 00

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SECTION 23 07 00

THERMAL INSULATION FOR MECHANICAL SYSTEMS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only. At the discretion of the Government, the manufacturer of any material supplied will be required to furnish test reports pertaining to any of the tests necessary to assure compliance with the standard or standards referenced in this specification.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE)

ASHRAE 90.1 - IP	(2010; INT 1 2011; Errata 2011, Errata 2011; Errata 2011, INT 2-12 2011, Errata 2011; INT 13 2012; INT 14 2012) Energy Standard for Buildings Except Low-Rise Residential Buildings

ASTM INTERNATIONAL (ASTM)

ASTM A167	(1999; R 2009) Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
ASTM A580/A580M	(2012a) Standard Specification for Stainless Steel Wire
ASTM B209	(2010) Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM C1126	(2012) Standard Specification for Faced or Unfaced Rigid Cellular Phenolic Thermal Insulation
ASTM C1136	(2010) Standard Specification for Flexible, Low Permeance Vapor Retarders for Thermal Insulation
ASTM C1290	(2011) Standard Specification for Flexible Fibrous Glass Blanket Insulation Used to Externally Insulate HVAC Ducts
ASTM C1427	(2007e1) Specification for Preformed Flexible Cellular Polyolefin Thermal Insulation in Sheet and Tubular Form
ASTM C195	(2007) Standard Specification for Mineral Fiber Thermal Insulating Cement

ASTM C449	(2007) Standard Specification for Mineral Fiber Hydraulic-Setting Thermal Insulating and Finishing Cement
ASTM C533	(2011) Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation
ASTM C534/C534M	(2011) Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form
ASTM C547	(2012) Standard Specification for Mineral Fiber Pipe Insulation
ASTM C552	(2012) Standard Specification for Cellular Glass Thermal Insulation
ASTM C553	(2011) Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
ASTM C610	(2011) Standard Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation
ASTM C612	(2010) Mineral Fiber Block and Board Thermal Insulation
ASTM C647	(2008) Properties and Tests of Mastics and Coating Finishes for Thermal Insulation
ASTM C795	(2008) Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel
ASTM C916	(1985; R 2007) Standard Specification for Adhesives for Duct Thermal Insulation
ASTM C920	(2011) Standard Specification for Elastomeric Joint Sealants
ASTM C921	(2010) Standard Practice for Determining the Properties of Jacketing Materials for Thermal Insulation
ASTM D882	(2010) Tensile Properties of Thin Plastic Sheeting
ASTM E2231	(2009) Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics
ASTM E84	(2012a) Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM E96/E96M	(2010) Standard Test Methods for Water

Vapor Transmission of Materials

FM GLOBAL (FM)

FM APP GUIDE (updated on-line) Approval Guide http://www.approvalguide.com/

GREENGUARD ENVIRONMENTAL INSTITUTE (GEI)

GEI Greenguard Standards for Low Emitting Products

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

ISO 2758 (2001) Paper - Determination of Bursting Strength

MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY (MSS)

MSS SP-69 (2003) Pipe Hangers and Supports - Selection and Application (ANSI Approved American National Standard)

MIDWEST INSULATION CONTRACTORS ASSOCIATION (MICA)

MICA Insulation Stds (1999) National Commercial & Industrial Insulation Standards

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 90A (2012) Standard for the Installation of Air Conditioning and Ventilating Systems

NFPA 90B (2012) Standard for the Installation of Warm Air Heating and Air Conditioning Systems

SCIENTIFIC CERTIFICATION SYSTEMS (SCS)

SCS Scientific Certification Systems (SCS) Indoor Advantage

U.S. DEPARTMENT OF DEFENSE (DOD)

MIL-A-24179 (1969; Rev A; Am 2 1980; Notice 1 1987) Adhesive, Flexible Unicellular-Plastic Thermal Insulation

MIL-A-3316 (1987; Rev C; Am 2 1990) Adhesives, Fire-Resistant, Thermal Insulation

UNDERWRITERS LABORATORIES (UL)

UL 723 (2008; Reprint Sep 2010) Test for Surface Burning Characteristics of Building Materials

UL 94 (1996; Reprint Jan 2012) Standard for

Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1.2 SYSTEM DESCRIPTION

1.2.1 General

Provide field-applied insulation and accessories on mechanical systems as specified herein; factory-applied insulation is specified under the piping, duct or equipment to be insulated. Field applied insulation materials required for use on Government-furnished items as listed in the SPECIAL CONTRACT REQUIREMENTS shall be furnished and installed by the Contractor.

1.2.2 Surface Burning Characteristics

Unless otherwise specified, insulation shall have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84. Flame spread, and smoke developed indexes, shall be determined by ASTM E84 or UL 723. Insulation shall be tested in the same density and installed thickness as the material to be used in the actual construction. Test specimens shall be prepared and mounted according to ASTM E2231. Insulation materials located exterior to the building perimeter are not required to be fire rated.

1.2.3 Recycled Materials

Provide thermal insulation containing recycled materials to the extent practicable, provided that the materials meets all other requirements of this section. The minimum recycled material content of the following insulation are:

Rock Wool	75 percent slag of weight
Fiberglass	20-25 percent glass cullet by weight
Rigid Foam	9 percent recovered material

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

Submit the three SD types, SD-02 Shop Drawings, SD-03 Product Data, and SD-08 Manufacturer's Instructions at the same time for each system.

SD-02 Shop Drawings

MICA Plates; G
Pipe Insulation Systems and Associated Accessories
Duct Insulation Systems and Associated Accessories

SD-03 Product Data

Certification
Pipe Insulation Systems; G

Duct Insulation Systems; G

SD-04 Samples

Thermal Insulation; G

SD-08 Manufacturer's Instructions

Pipe Insulation Systems; G
Duct Insulation Systems; G

1.4 QUALITY ASSURANCE

1.4.1 Installer Qualification

Qualified installers shall have successfully completed three or more similar type jobs within the last 5 years.

1.4.2 Sustainable Design Certification

Product shall be third party certified by GEI Greenguard Indoor Air Quality Certified, SCS Scientific Certification Systems Indoor Advantage or equal. Certification shall be performed annually and shall be current.

1.5 DELIVERY, STORAGE, AND HANDLING

Materials shall be delivered in the manufacturer's unopened containers. Materials delivered and placed in storage shall be provided with protection from weather, humidity, dirt, dust and other contaminants. The Contracting Officer may reject insulation material and supplies that become dirty, dusty, wet, or contaminated by some other means. Packages or standard containers of insulation, jacket material, cements, adhesives, and coatings delivered for use, and samples required for approval shall have manufacturer's stamp or label attached giving the name of the manufacturer and brand, and a description of the material. Insulation packages and containers shall be asbestos free.

PART 2 PRODUCTS

2.1 STANDARD PRODUCTS

Provide materials which are the standard products of manufacturers regularly engaged in the manufacture of such products and that essentially duplicate items that have been in satisfactory use for at least 2 years prior to bid opening. Submit a complete list of materials, including manufacturer's descriptive technical literature, performance data, catalog cuts, and installation instructions. The product number, k-value, thickness and furnished accessories including adhesives, sealants and jackets for each mechanical system requiring insulation shall be included. The product data must be copyrighted, have an identifying or publication number, and shall have been published prior to the issuance date of this solicitation. Materials furnished under this section shall be submitted together in a booklet and in conjunction with the MICA plates booklet (SD-02) Annotate the product data to indicate which MICA plate is applicable. Provide insulation systems in accordance with the approved MICA National Insulation Standards plates as supplemented by this specification. Provide field-applied insulation for heating, ventilating, and cooling (HVAC) air distribution systems and piping systems which are located within, on, under, and adjacent to buildings; and for plumbing

systems. Insulation shall be CFC and HCFC free.

2.2 MATERIALS

Provide insulation that meets or exceed the requirements of ASHRAE 90.1 - IP. Insulation exterior shall be cleanable, grease resistant, non-flaking and non-peeling. Materials shall be compatible and shall not contribute to corrosion, soften, or otherwise attack surfaces to which applied in either wet or dry state. Materials to be used on stainless steel surfaces shall meet ASTM C795 requirements. Calcium silicate shall not be used on chilled or cold water systems. Materials shall be asbestos free and conform to the following:Flexible Elastomeric: Closed-cell, foam- or expanded-rubber materials containing anti-microbial additive. Comply with ASTM C534/C534M, Type I, Grade 1, for tubular materials and Type II, Grade 1, for sheet materials. Provide product recognized under UL 94 and listed in FM APP GUIDE.

2.2.1 Adhesives

2.2.1.1 Acoustical Lining Insulation Adhesive

Adhesive shall be a nonflammable, fire-resistant adhesive conforming to ASTM C916, Type I.

2.2.1.2 Mineral Fiber Insulation Cement

Cement shall be in accordance with ASTM C195.

2.2.1.3 Lagging Adhesive

Lagging is the material used for thermal insulation, especially around a cylindrical object. This may include the insulation as well as the cloth/material covering the insulation. Lagging adhesives shall be nonflammable and fire-resistant and shall have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84. Adhesive shall be MIL-A-3316, Class 1, pigmented white and be suitable for bonding fibrous glass cloth to faced and unfaced fibrous glass insulation board; for bonding cotton brattice cloth to faced and unfaced fibrous glass insulation board; for sealing edges of and bonding glass tape to joints of fibrous glass board; for bonding lagging cloth to thermal insulation; or Class 2 for attaching fibrous glass insulation to metal surfaces. Lagging adhesives shall be applied in strict accordance with the manufacturer's recommendations for pipe and duct insulation. Submit and display, after approval of materials, actual sections of installed systems, properly insulated in accordance with the specification requirements. Such actual sections must remain accessible to inspection throughout the job and will be reviewed from time to time for controlling the quality of the work throughout the construction site. Each material used shall be identified, by indicating on an attached sheet the specification requirement for the material and the material by each manufacturer intended to meet the requirement. The Contracting Officer will inspect display sample sections at the jobsite. Approved display sample sections shall remain on display at the jobsite during the construction period. Upon completion of construction, the display sample sections will be closed and sealed.

a. Pipe Insulation Display Sections: Display sample sections shall include as a minimum an elbow or tee, a valve, dielectric waterways and flanges, a hanger with protection shield and insulation insert, or

dowel as required, at support point, method of fastening and sealing insulation at longitudinal lap, circumferential lap, butt joints at fittings and on pipe runs, and terminating points for each type of pipe insulation used on the job, and for hot pipelines and cold pipelines, both interior and exterior, even when the same type of insulation is used for these services.

b. Duct Insulation Display Sections: Display sample sections for rigid and flexible duct insulation used on the job. A temporary covering shall be used to enclose and protect display sections for duct insulation exposed to weather.

2.2.2 Contact Adhesive

Adhesives may be any of, but not limited to, the neoprene based, rubber based, or elastomeric type that have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84. The adhesive shall not adversely affect, initially or in service, the insulation to which it is applied, nor shall it cause any corrosive effect on metal to which it is applied. Any solvent dispersing medium or volatile component of the adhesive shall have no objectionable odor and shall not contain any benzene or carbon tetrachloride. The dried adhesive shall not emit nauseous, irritating, or toxic volatile matters or aerosols when the adhesive is heated to any temperature up to 212 degrees F. The dried adhesive shall be nonflammable and fire resistant. Natural cross-ventilation, local (mechanical) pickup, and/or general area (mechanical) ventilation shall be used to prevent an accumulation of solvent vapors, keeping in mind the ventilation pattern must remove any heavier-than-air solvent vapors from lower levels of the workspaces. Gloves and spectacle-type safety glasses are recommended in accordance with safe installation practices. Flexible Elastomeric and Polyolefin Adhesive: Comply with MIL-A-24179, Type II, Class I. Provide product recognized under UL 94 and listed in FM APP GUIDE.

2.2.3 Caulking

ASTM C920, Type S, Grade NS, Class 25, Use A.

2.2.4 Corner Angles

2.2.4.1 General

Nominal 0.016 inch aluminum 1 by 1 inch with factory applied kraft backing. Aluminum shall be ASTM B209, Alloy 3003, 3105, or 5005.

2.2.4.2 Fittings

Fabricated Fittings are the prefabricated fittings for flexible elastomeric pipe insulation systems. Together with the flexible elastomeric tubes, they provide complete system integrity for retarding heat gain and controlling condensation drip from chilled-water and refrigeration systems. Flexible elastomeric, fabricated fittings provide thermal protection (0.25 k) and condensation resistance (0 05 Water Vapor Transmission factor).

2.2.5 Finishing Cement

ASTM C449: Mineral fiber hydraulic-setting thermal insulating and finishing cement. All cements that may come in contact with Austenitic stainless steel must comply with ASTM C795.

2.2.6 Fibrous Glass Cloth and Glass Tape

Fibrous glass cloth, with 20X20 maximum mesh size, and glass tape shall have maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84. Tape shall be 4 inch wide rolls. Class 3 tape shall be 4.5 ounces/square yard. Elastomeric Foam Tape: Black vapor-retarder foam tape with acrylic adhesive containing an anti-microbial additive.

2.2.7 Staples

Outward clinching type monel or ASTM A167, Type 304 or 316 stainless steel.

2.2.8 Vapor Retarder Required

ASTM C921, Type I, minimum puncture resistance 50 Beach units on all surfaces except concealed ductwork, where a minimum puncture resistance of 25 Beach units is acceptable. Minimum tensile strength, 35 pounds/inch width. ASTM C921, Type II, minimum puncture resistance 25 Beach units, tensile strength minimum 20 pounds/inch width. Jackets used on insulation exposed in finished areas shall have white finish suitable for painting without sizing. Based on the application, insulation materials that require factory applied jackets are mineral fiber, cellular glass, and phenolic foam. Insulation materials that do not require jacketing are flexible elastomerics. All non-metallic jackets shall have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84.

2.2.8.1 White Vapor Retarder All Service Jacket (ASJ)

Standard reinforced fire retardant jacket for use on hot/cold pipes, ducts, or equipment. Vapor retarder jackets used on insulation exposed in finished areas shall have white finish suitable for painting without sizing.

2.2.8.2 Vapor Retarder/Vapor Barrier Mastic Coatings

a. The vapor barrier shall be self adhesive (minimum 2 mils adhesive, 3 mils embossed) greater than 3 plies standard grade, silver, white, black and embossed white jacket for use on hot/cold pipes. Less than 0.02 permeability when tested in accordance with ASTM E96/E96M. Meeting UL 723 or ASTM E84 flame and smoke requirements; UV resistant.

b. The vapor retarder coating shall be fire and water resistant and appropriately selected for either outdoor or indoor service. Color shall be white. The water vapor permeance of the compound shall be determined according to procedure B of ASTM E96/E96M utilizing apparatus described in ASTM E96/E96M. The coating shall be a nonflammable, fire resistant type. All other application and service properties shall be in accordance with ASTM C647.

2.2.8.3 Laminated Film Vapor Retarder

ASTM C1136, Type I, maximum moisture vapor transmission 0.02 perms, minimum puncture resistance 50 Beach units on all surfaces except concealed ductwork, where Type II, maximum moisture vapor transmission 0.02 perms, a minimum puncture resistance of 25 Beach units is acceptable. Vapor

retarder shall have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84. Flexible Elastomeric exterior foam with factory applied UV Jacket. Construction of laminate designed to provide UV resistance, high puncture, tear resistance and excellent WVT.

2.2.8.4 Polyvinylidene Chloride (PVDC) Film Vapor Retarder

The PVDC film vapor retarder shall have a maximum moisture vapor transmission of 0.02 perms, minimum puncture resistance of 150 Beach units, a minimum tensile strength in any direction of 30 lb/inch when tested in accordance with ASTM D882, and a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84.

2.2.8.5 Polyvinylidene Chloride Vapor Retarder Adhesive Tape

Requirements must meet the same as specified for Laminated Film Vapor Retarder above.

2.2.8.6 Vapor Barrier

The vapor barrier shall be greater than 3 ply self adhesive laminate -white vapor barrier jacket- superior performance (less than 0.0000 permeability when tested in accordance with ASTM E96/E96M). Vapor barrier shall meet UL 723 or ASTM E84 25 flame and 50 smoke requirements; and UV resistant. Minimum burst strength 185 psi in accordance with ISO 2758. Tensile strength 68 lb/inch width (PSTC-1000). Tape shall be as specified for laminated film vapor barrier above.

2.2.9 Vapor Retarder Not Required

ASTM C921, Type II, Class D, minimum puncture resistance 50 Beach units on all surfaces except ductwork, where Type IV, maximum moisture vapor transmission 0.10, a minimum puncture resistance of 25 Beach units is acceptable. Jacket shall have a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84.

2.2.10 Wire

Soft annealed ASTM A580/A580M Type 302, 304 or 316 stainless steel, 16 or 18 gauge.

2.2.11 Insulation Bands

Insulation bands shall be 1/2 inch wide; 26 gauge stainless steel.

2.2.12 Sealants

Sealants shall be chosen from the butyl polymer type, the styrene-butadiene rubber type, or the butyl type of sealants. Sealants shall have a maximum moisture vapor transmission of 0.02 perms, and a maximum flame spread index of 25 and a maximum smoke developed index of 50 when tested in accordance with ASTM E84.

2.3 PIPE INSULATION SYSTEMS

Insulation materials shall conform to Table 1. Insulation thickness shall be as listed in Table 2 and meet or exceed the requirements of ASHRAE 90.1 - IP. Pipe insulation materials shall be limited to those

listed herein and shall meet the following requirements:

2.3.1 Aboveground Cold Pipeline (-30 to 60 deg. F)

Insulation for outdoor, indoor, exposed or concealed applications, shall be as follows:

a. Cellular Glass: ASTM C552, Type II, and Type III. Supply the insulation with manufacturer's recommended factory-applied jacket/vapor barrier.

b. Flexible Elastomeric Cellular Insulation: ASTM C534/C534M, Grade 1, Type I or II. Type II shall have vapor retarder/vapor barrier skin on one or both sides of the insulation.

c. Flexible Polyolefin Cellular Insulation: ASTM C1427, Grade 1 Type I or II.

d. Mineral Fiber Insulation with Integral Wicking Material (MFIWM): ASTM C547. Install in accordance with manufacturer's instructions.

2.3.2 Aboveground Hot Pipeline (Above 60 deg. F)

Insulation for outdoor, indoor, exposed or concealed applications shall meet the following requirements. Supply the insulation with manufacturer's recommended factory-applied jacket/vapor barrier.

a. Mineral Fiber: ASTM C547, Types I, II or III, supply the insulation with manufacturer's recommended factory-applied jacket.

b. Calcium Silicate: ASTM C533, Type I indoor only, or outdoors above 250 degrees F pipe temperature. Supply insulation with the manufacturer's recommended factory-applied jacket/vapor barrier.

c. Cellular Glass: ASTM C552, Type II and Type III. Supply the insulation with manufacturer's recommended factory-applied jacket.

d. Flexible Elastomeric Cellular Insulation: ASTM C534/C534M, Grade 1, Type I or II to 220 degrees F service.

e. Phenolic Insulation: ASTM C1126 Type III to 250 degrees F service shall comply with ASTM C795. Supply the insulation with manufacturer's recommended factory-applied jacket/vapor barrier.

f. Perlite Insulation: ASTM C610

g. Flexible Polyolefin Cellular Insulation: ASTM C1427, Grade 1 Type I or II to 200 degrees F.

2.3.3 Above Ground Dual Temperature Pipeline

Selection of insulation for use over a dual temperature pipeline system (Outdoors, Indoor - Exposed or Concealed) shall be in accordance with the most limiting/restrictive case. Find an allowable material from paragraph PIPE INSULATION MATERIALS and determine the required thickness from the most restrictive case. Use the thickness listed in paragraphs INSULATION THICKNESS for cold & hot pipe applications.

2.4 DUCT INSULATION SYSTEMS

2.4.1 Duct Insulation

Provide factory-applied insulation with insulation manufacturer's standard reinforced fire-retardant vapor barrier.

2.4.1.1 Rigid Insulation

Rigid mineral fiber in accordance with ASTM C612, Class 2 (maximum surface temperature 400 degrees F), 3 pcf average, 1-1/2 inch thick, Type IA, IB, II, III, and IV.

2.4.1.2 Blanket Insulation

Blanket flexible mineral fiber insulation conforming to ASTM C553, Type 1, Class B-3, 3/4 pcf nominal, 2.0 inches thick or Type II up to 250 degrees F. Also ASTM C1290 Type III may be used.

2.4.2 Duct Insulation Jackets

2.4.2.1 All-Purpose Jacket

Provide insulation with insulation manufacturer's standard reinforced fire-retardant jacket with or without integral vapor barrier as required by the service. In exposed locations, provide jacket with a white surface suitable for field painting.

PART 3 EXECUTION

3.1 APPLICATION - GENERAL

Insulation shall only be applied to unheated and uncooled piping and equipment. Flexible elastomeric cellular insulation shall not be compressed at joists, studs, columns, ducts, hangers, etc. The insulation shall not pull apart after a one hour period; any insulation found to pull apart after one hour, shall be replaced.

3.1.1 Installation

Except as otherwise specified, material shall be installed in accordance with the manufacturer's written instructions. Insulation materials shall not be applied until tests specified in other sections of this specification are completed. Material such as rust, scale, dirt and moisture shall be removed from surfaces to receive insulation. Insulation shall be kept clean and dry. Insulation shall not be removed from its shipping containers until the day it is ready to use and shall be returned to like containers or equally protected from dirt and moisture at the end of each workday. Insulation that becomes dirty shall be thoroughly cleaned prior to use. If insulation becomes wet or if cleaning does not restore the surfaces to like new condition, the insulation will be rejected, and shall be immediately removed from the jobsite. Joints shall be staggered on multi layer insulation. Mineral fiber thermal insulating cement shall be mixed with demineralized water when used on stainless steel surfaces Insulation, jacketing and accessories shall be installed in accordance with MICA Insulation Stds plates except where modified herein or on the drawings.

3.1.2 Firestopping

Where pipes and ducts pass through fire walls, fire partitions, above grade floors, and fire rated chase walls, the penetration shall be sealed with fire stopping materials. The protection of ducts at point of passage through firewalls must be in accordance with NFPA 90A and/or NFPA 90B. All other penetrations, such as piping, conduit, and wiring, through firewalls must be protected with a material or system of the same hourly rating that is listed by UL, FM, or a NRTL.

3.1.3 Installation of Flexible Elastomeric Cellular Insulation

Flexible elastomeric cellular insulation shall be installed with seams and joints sealed with rubberized contact adhesive. Flexible elastomeric cellular insulation shall not be used on surfaces greater than 220 degrees F. Seams shall be staggered when applying multiple layers of insulation. Insulation exposed to weather and not shown to have jacketing shall be protected with two coats of UV resistant finish or PVC or metal jacketing as recommended by the manufacturer after the adhesive is dry and cured. A brush coating of adhesive shall be applied to both butt ends to be joined and to both slit surfaces to be sealed. The adhesive shall be allowed to set until dry to touch but tacky under slight pressure before joining the surfaces. Insulation seals at seams and joints shall not be capable of being pulled apart one hour after application. Insulation that can be pulled apart one hour after installation shall be replaced.

3.1.4 Welding

No welding shall be done on piping, or equipment without written approval of the Contracting Officer. The capacitor discharge welding process may be used for securing metal fasteners to duct.

3.1.5 Pipes/Ducts/Equipment which Require Insulation

Insulation is required on all pipes, ducts, or equipment, except for omitted items, as specified.

3.2 PIPE INSULATION SYSTEMS INSTALLATION

Install pipe insulation systems in accordance with the approved MICA Insulation Stds plates as supplemented by the manufacturer's published installation instructions.

3.2.1 Pipe Insulation

3.2.1.1 General

Pipe insulation shall be installed on aboveground hot and cold pipeline systems as specified below to form a continuous thermal retarder/barrier, including straight runs, fittings and appurtenances unless specified otherwise. Installation shall be with full length units of insulation and using a single cut piece to complete a run. Cut pieces or scraps abutting each other shall not be used. Pipe insulation shall be omitted on the following:

a. Pipe used solely for fire protection.

b. Chromium plated pipe to plumbing fixtures. However, fixtures for use by the physically handicapped shall have the hot water supply and

drain, including the trap, insulated where exposed.

c. Sanitary drain lines.

d. Air chambers

e. Adjacent insulation.

f. ASME stamps.

g. Access plates of fan housings.

h. Cleanouts or handholes.

3.2.1.2 Pipes Passing Through Walls, Roofs, and Floors

a. Pipe insulation shall be continuous through the sleeve.

b. An aluminum jacket or vapor barrier/weatherproofing - self adhesive jacket (minimum 2 mils adhesive, 3 mils embossed) less than 0.0000 permeability, greater than 3 ply standard grade, silver, white, black and embossed with factory applied moisture retarder shall be provided over the insulation wherever penetrations require sealing.

c. Where pipes penetrate interior walls, the aluminum jacket or vapor barrier/weatherproofing - self adhesive jacket (minimum 2 mils adhesive, 3 mils embossed) less than 0.0000 permeability, greater than 3 plies standard grade, silver, white, black and embossed shall extend 2 inches beyond either side of the wall and shall be secured on each end with a band.

d. Where penetrating floors, the aluminum jacket shall extend from a point below the backup material to a point 10 inches above the floor with one band at the floor and one not more than 1 inch from the end of the aluminum jacket.

e. Where penetrating waterproofed floors, the aluminum jacket shall extend from below the backup material to a point 2 inches above the flashing with a band 1 inch from the end of the aluminum jacket.

f. Where penetrating exterior walls, the aluminum jacket required for pipe exposed to weather shall continue through the sleeve to a point 2 inches beyond the interior surface of the wall.

g. Where penetrating roofs, pipe shall be insulated as required for interior service to a point flush with the top of the flashing and sealed with vapor retarder coating. The insulation for exterior application shall butt tightly to the top of flashing and interior insulation. The exterior aluminum jacket shall extend 2 inches down beyond the end of the insulation to form a counter flashing. The flashing and counter flashing shall be sealed underneath with caulking.

h. For hot water pipes supplying lavatories or other similar heated service that requires insulation, the insulation shall be terminated on the backside of the finished wall. The insulation termination shall be protected with two coats of vapor barrier coating with a minimum total thickness of 1/16 inch applied with glass tape embedded between coats (if applicable). The coating shall extend out onto the insulation 2 inches and shall seal the end of the insulation. Glass tape seams

shall overlap 1 inch. The annular space between the pipe and wall penetration shall be caulked with approved fire stop material. The pipe and wall penetration shall be covered with a properly sized (well fitting) escutcheon plate. The escutcheon plate shall overlap the wall penetration at least 3/8 inches.

i. For domestic cold water pipes supplying lavatories or other similar cooling service that requires insulation, the insulation shall be terminated on the finished side of the wall (i.e., insulation must cover the pipe throughout the wall penetration). The insulation shall be protected with two coats of vapor barrier coating with a minimum total thickness of 1/16 inch. The coating shall extend out onto the insulation 2 inches and shall seal the end of the insulation. The annular space between the outer surface of the pipe insulation and the wall penetration shall be caulked with an approved fire stop material having vapor retarder properties. The pipe and wall penetration shall be covered with a properly sized (well fitting) escutcheon plate. The escutcheon plate shall overlap the wall penetration by at least 3/8 inches.

3.2.1.3 Pipes Passing Through Hangers

a. Insulation, whether hot or cold application, shall be continuous through hangers. All horizontal pipes 2 inches and smaller shall be supported on hangers with the addition of a Type 40 protection shield to protect the insulation in accordance with MSS SP-69. Whenever insulation shows signs of being compressed, or when the insulation or jacket shows visible signs of distortion at or near the support shield, insulation inserts as specified below for piping larger than 2 inches shall be installed, or factory insulated hangers (designed with a load bearing core) can be used.

b. Horizontal pipes larger than 2 inches at 60 degrees F and above shall be supported on hangers in accordance with MSS SP-69, and Section 22 00 00 PLUMBING, GENERAL PURPOSE.

c. Horizontal pipes larger than 2 inches and below 60 degrees F shall be supported on hangers with the addition of a Type 40 protection shield in accordance with MSS SP-69. An insulation insert of cellular glass, prefabricated insulation pipe hangers, or perlite above 80 degrees F) shall be installed above each shield. The insert shall cover not less than the bottom 180-degree arc of the pipe. Inserts shall be the same thickness as the insulation, and shall extend 2 inches on each end beyond the protection shield. When insulation inserts are required in accordance with the above, and the insulation thickness is less than 1 inch, wooden or cork dowels or blocks may be installed between the pipe and the shield to prevent the weight of the pipe from crushing the insulation, as an option to installing insulation inserts. The insulation jacket shall be continuous over the wooden dowel, wooden block, or insulation insert.

d. Vertical pipes shall be supported with either Type 8 or Type 42 riser clamps with the addition of two Type 40 protection shields in accordance with MSS SP-69 covering the 360-degree arc of the insulation. An insulation insert of cellular glass or calcium silicate shall be installed between each shield and the pipe. The insert shall cover the 360-degree arc of the pipe. Inserts shall be the same thickness as the insulation, and shall extend 2 inches on each end beyond the protection shield. When insulation inserts are required in

accordance with the above, and the insulation thickness is less than 1 inch, wooden or cork dowels or blocks may be installed between the pipe and the shield to prevent the hanger from crushing the insulation, as an option instead of installing insulation inserts. The insulation jacket shall be continuous over the wooden dowel, wooden block, or insulation insert. The vertical weight of the pipe shall be supported with hangers located in a horizontal section of the pipe. When the pipe riser is longer than 30 feet, the weight of the pipe shall be additionally supported with hangers in the vertical run of the pipe that are directly clamped to the pipe, penetrating the pipe insulation. These hangers shall be insulated and the insulation jacket sealed as indicated herein for anchors in a similar service.

e. Inserts shall be covered with a jacket material of the same appearance and quality as the adjoining pipe insulation jacket, shall overlap the adjoining pipe jacket 1-1/2 inches, and shall be sealed as required for the pipe jacket. The jacket material used to cover inserts in flexible elastomeric cellular insulation shall conform to ASTM C1136, Type 1, and is allowed to be of a different material than the adjoining insulation material.

3.2.1.4 Flexible Elastomeric Cellular Pipe Insulation

Flexible elastomeric cellular pipe insulation shall be tubular form for pipe sizes 6 inches and less. Grade 1, Type II sheet insulation used on pipes larger than 6 inches shall not be stretched around the pipe. On pipes larger than 12 inches, the insulation shall be adhered directly to the pipe on the lower 1/3 of the pipe. Seams shall be staggered when applying multiple layers of insulation. Sweat fittings shall be insulated with miter-cut pieces the same size as on adjacent piping. Screwed fittings shall be insulated with sleeved fitting covers fabricated from miter-cut pieces and shall be overlapped and sealed to the adjacent pipe insulation.

3.2.1.5 Pipes in high abuse areas

In high abuse areas such as janitor closets and traffic areas in equipment rooms, kitchens, and mechanical rooms, welded PVC, aluminum or flexible laminate cladding (comprised of elastomeric, plastic or metal foil laminate) laminated self-adhesive (minimum 2 mils adhesive, 3 mils embossed) vapor barrier/weatherproofing jacket, - less than 0.0000 permeability; (greater than 3 ply, standard grade, silver, white, black and embossed) jackets shall be utilized. Pipe insulation to the 6 foot level shall be protected.

3.2.1.6 Pipe Insulation Material and Thickness

TABLE 1

Insulation Material for Piping

Service					
	Material	Specification	Type	Class	VR/VB Req'd
Chilled Water (Supply & Return, Dual Temperature Piping, 40 F nominal)					
	Cellular Glass	ASTM C552	II	2	Yes

TABLE 1					
Insulation Material for Piping					
Service					
	Material	Specification	Type	Class	VR/VB Req'd
Heating Hot Water Supply & Return, Heated Oil (Max 250 F)					
	Mineral Fiber	ASTM C547	I	1	No
Refrigerant Suction Piping (35 degrees F nominal)					
	Flexible Elastomeric Cellular	ASTM C534/C534M	I		No
Condensate Drain Located Inside Building					
	Cellular Glass	ASTM C552	II	2	No
	Flexible Elastomeric Cellular	ASTM C534/C534M	I		No
	Faced Phenolic Foam	ASTM C1126	II		Yes
Note: VR/VB = Vapor Retarder/Vapor Barrier					

TABLE 2						
Piping Insulation Thickness (inch)						
Service						
	Material	Tube And Pipe Size (inch)				
		<1	1-<1.5	1.5-<4	4-<8	> or = >8
Chilled Water (Supply & Return, Dual Temperature Piping, 40 Degrees F nominal)						
	Cellular Glass	1.5	1.5	1.5	1.5	2
	Flexible Elastomeric Cellular					
	Faced Phenolic Foam					
	Mineral Fiber with Wicking Material					
Heating Hot Water Supply & Return, Heated Oil (Max 250 F)						
	Mineral Fiber	1.5	1.5	2	2	2
Cold Domestic Water Piping, Makeup Water & Drinking Fountain Drain Piping						

TABLE 2

Piping Insulation Thickness (inch)

Service						
	Material	Tube And Pipe Size (inch)				
		<1	1-<1.5	1.5-<4	4-<8	> or = >8
	Cellular Glass	1.5	1.5	1.5	1.5	1.5
	Flexible Elastomeric Cellular	1	1	1	N/A	N/A
	Faced Phenolic Foam	1	1	1	1	1
Hot Domestic Water Supply & Recirculating Piping (Max 200 F)						
	Mineral Fiber	1	1	1	1.5	1.5
	Cellular Glass	1.5	1.5	1.5	2	2
	Flexible Elastomeric Cellular	1	1	1	N/A	N/A
Refrigerant Suction Piping (35 degrees F nominal)						
	Flexible Elastomeric Cellular	1	1	1	N/A	N/A
Compressed Air Discharge, Steam and Condensate Return (201 to 250 Degrees F						
	Mineral Fiber	1.5	1.5	2	2	2
		1.5*	2*	2.5*	3*	3.5*
	Calcium Silicate	2.5	3	4	4	4.5
	Cellular Glass	2	2.5	3	3	3
	Perlite	2.5	3	4	4	4.5
	Flexible Elastomeric Cellular	1	1	1	N/A	N/A
Exposed Lavatory Drains, Exposed Domestic Water Piping & Drains to Areas for Handicapped Personnel						
	Flexible Elastomeric Cellular	0.5	0.5	0.5	0.5	0 5
Horizontal Roof Drain Leaders (Including Underside of Roof Drain Fittings)						
	Cellular Glass	1.5	1.5	1.5	1.5	1.5
	Flexible Elastomeric Cellular	1	1	1	N/A	N/A
	Faced Phenolic Foam	1	1	1	1	1

TABLE 2						
Piping Insulation Thickness (inch)						
Service						
	Material	Tube And Pipe Size (inch)				
		<1	1-<1.5	1.5-<4	4-<8	> or = >8
Condensate Drain Located Inside Building						
	Cellular Glass	1.5	1.5	1.5	1.5	1.5

3.2.2 Aboveground Cold Pipelines

The following cold pipelines for minus 30 to plus 60 degrees F, shall be insulated in accordance with Table 2 except those piping listed in subparagraph Pipe Insulation in PART 3 as to be omitted. This includes but is not limited to the following:

a. Make-up water.

b. Horizontal and vertical portions of interior roof drains.

c. Refrigerant suction lines.

d. Chilled water.

e. Dual temperature water, i.e. HVAC hot/chilled water.

f. Air conditioner condensate drains.

g. Brine system cryogenics

h. Exposed lavatory drains and domestic water lines serving plumbing fixtures for handicap persons.

i. Domestic cold and chilled drinking water.

3.2.2.1 Insulation Material and Thickness

Insulation thickness for cold pipelines shall be determined using Table 2.

3.2.2.2 Factory or Field applied Jacket

Insulation shall be covered with a factory applied vapor retarder jacket/vapor barrier or field applied seal welded PVC jacket or greater than 3 ply laminated self-adhesive (minimum 2 mils adhesive, 3 mils embossed) vapor barrier/weatherproofing jacket - less than 0.0000 permeability, standard grade, sliver, white, black and embossed for use with Mineral Fiber, Cellular Glass, and Phenolic Foam Insulated Pipe. Insulation inside the building, to be protected with an aluminum jacket or

greater than 3ply vapor barrier/weatherproofing self-adhesive (minimum 2 mils adhesive, 3 mils embossed) product, less than 0.0000 permeability, standard grade, Embossed Silver, White & Black, shall have the insulation and vapor retarder jacket installed as specified herein. The aluminum jacket or greater than 3ply vapor barrier/weatherproofing self-adhesive (minimum 2 mils adhesive, 3 mils embossed) product, less than 0.0000 permeability, standard grade, embossed silver, White & Black, shall be installed as specified for piping exposed to weather, except sealing of the laps of the aluminum jacket is not required. In high abuse areas such as janitor closets and traffic areas in equipment rooms, kitchens, and mechanical rooms, aluminum jackets or greater than 3ply vapor barrier/weatherproofing self-adhesive (minimum 2 mils adhesive, 3 mils embossed) product, less than 0.0000 permeability, standard grade, embossed silver, white & black, shall be provided for pipe insulation to the 6 ft level.

3.2.2.3 Installing Insulation for Straight Runs Hot and Cold Pipe

a. Insulation shall be applied to the pipe with joints tightly butted. All butted joints and ends shall be sealed with joint sealant and sealed with a vapor retarder coating, greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape or PVDC adhesive tape.

b Longitudinal laps of the jacket material shall overlap not less than 1-1/2 inches. Butt strips 3 inches wide shall be provided for circumferential joints.

c. Laps and butt strips shall be secured with adhesive and stapled on 4 inch centers if not factory self-sealing. If staples are used, they shall be sealed in accordance with item "e." below. Note that staples are not required with cellular glass systems.

d. Factory self-sealing lap systems may be used when the ambient temperature is between 40 and 120 degrees F during installation. The lap system shall be installed in accordance with manufacturer's recommendations. Stapler shall be used only if specifically recommended by the manufacturer. Where gaps occur, the section shall be replaced or the gap repaired by applying adhesive under the lap and then stapling.

e. All Staples, including those used to repair factory self-seal lap systems, shall be coated with a vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape. All seams, except those on factory self-seal systems shall be coated with vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape.

f. Breaks and punctures in the jacket material shall be patched by wrapping a strip of jacket material around the pipe and securing it with adhesive, stapling, and coating with vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape. The patch shall extend not less than 1-1/2 inches past the break.

g. At penetrations such as thermometers, the voids in the insulation shall be filled and sealed with vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm

adhesive tape.

h. Installation of flexible elastomeric cellular pipe insulation shall be by slitting the tubular sections and applying them onto the piping or tubing. Alternately, whenever possible slide un-slit sections over the open ends of piping or tubing. All seams and butt joints shall be secured and sealed with adhesive. When using self seal products only the butt joints shall be secured with adhesive. Insulation shall be pushed on the pipe, never pulled. Stretching of insulation may result in open seams and joints. All edges shall be clean cut. Rough or jagged edges of the insulation shall not be permitted. Proper tools such as sharp knives shall be used. Grade 1, Type II sheet insulation when used on pipe larger than 6 inches shall not be stretched around the pipe. On pipes larger than 12 inches, adhere sheet insulation directly to the pipe on the lower 1/3 of the pipe.

3.2.2.4 Insulation for Fittings and Accessories

a. Pipe insulation shall be tightly butted to the insulation of the fittings and accessories. The butted joints and ends shall be sealed with joint sealant and sealed with a vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape.

b. Precut or preformed insulation shall be placed around all fittings and accessories and shall conform to MICA plates except as modified herein: 5 for anchors; 10, 11, and 13 for fittings; 14 for valves; and 17 for flanges and unions. Insulation shall be the same insulation as the pipe insulation, including same density, thickness, and thermal conductivity. Where precut/preformed is unavailable, rigid preformed pipe insulation sections may be segmented into the shape required. Insulation of the same thickness and conductivity as the adjoining pipe insulation shall be used. If nesting size insulation is used, the insulation shall be overlapped 2 inches or one pipe diameter. Elbows insulated using segments shall conform to MICA Tables 12.20 "Mitered Insulation Elbow'. Submit a booklet containing completed MICA Insulation Stds plates detailing each insulating system for each pipe, duct, or equipment insulating system, after approval of materials and prior to applying insulation.

(1) The MICA plates shall detail the materials to be installed and the specific insulation application. Submit all MICA plates required showing the entire insulating system, including plates required to show insulation penetrations, vessel bottom and top heads, legs, and skirt insulation as applicable. The MICA plates shall present all variations of insulation systems including locations, materials, vaporproofing, jackets and insulation accessories.

(2) If the Contractor elects to submit detailed drawings instead of edited MICA Plates, the detail drawings shall be technically equivalent to the edited MICA Plate submittal.

c. Upon completion of insulation installation on flanges, unions, valves, anchors, fittings and accessories, terminations, seams, joints and insulation not protected by factory vapor retarder jackets or PVC fitting covers shall be protected with PVDC or greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape or two coats of vapor retarder coating with a minimum total thickness of 1/16 inch,

applied with glass tape embedded between coats. Tape seams shall overlap 1 inch. The coating shall extend out onto the adjoining pipe insulation 2 inches. Fabricated insulation with a factory vapor retarder jacket shall be protected with either greater than 3 ply laminate jacket - less than 0.0000 perm adhesive tape, standard grade, silver, white, black and embossed or PVDC adhesive tape or two coats of vapor retarder coating with a minimum thickness of 1/16 inch and with a 2 inch wide glass tape embedded between coats. Where fitting insulation butts to pipe insulation, the joints shall be sealed with a vapor retarder coating and a 4 inch wide ASJ tape which matches the jacket of the pipe insulation.

d. Anchors attached directly to the pipe shall be insulated for a sufficient distance to prevent condensation but not less than 6 inches from the insulation surface.

e. Insulation shall be marked showing the location of unions, strainers, and check valves.

3.2.2.5 Optional PVC Fitting Covers

At the option of the Contractor, premolded, one or two piece PVC fitting covers may be used in lieu of the vapor retarder and embedded glass tape. Factory precut or premolded insulation segments shall be used under the fitting covers for elbows. Insulation segments shall be the same insulation as the pipe insulation including same density, thickness, and thermal conductivity. The covers shall be secured by PVC vapor retarder tape, adhesive, seal welding or with tacks made for securing PVC covers. Seams in the cover, and tacks and laps to adjoining pipe insulation jacket, shall be sealed with vapor retarder tape to ensure that the assembly has a continuous vapor seal.

3.2.3 Aboveground Hot Pipelines

3.2.3.1 General Requirements

All hot pipe lines above 60 degrees F, except those piping listed in subparagraph Pipe Insulation in PART 3 as to be omitted, shall be insulated in accordance with Table 2. This includes but is not limited to the following:

a. Domestic hot water supply & re-circulating system.

b. Steam.

c. Condensate & compressed air discharge.

d. Hot water heating.

e. Heated oil.

f. Water defrost lines in refrigerated rooms.

Insulation shall be covered, in accordance with manufacturer's recommendations, with a factory applied Type I jacket or field applied aluminum where required or seal welded PVC.

3.2.3.2 Insulation for Fittings and Accessories

a. General. Pipe insulation shall be tightly butted to the insulation of the fittings and accessories. The butted joints and ends shall be sealed with joint sealant. Insulation shall be marked showing the location of unions, strainers, check valves and other components that would otherwise be hidden from view by the insulation.

b. Precut or Preformed. Precut or preformed insulation shall be placed around all fittings and accessories. Insulation shall be the same insulation as the pipe insulation, including same density, thickness, and thermal conductivity.

c. Rigid Preformed. Where precut/preformed is unavailable, rigid preformed pipe insulation sections may be segmented into the shape required. Insulation of the same thickness and conductivity as the adjoining pipe insulation shall be used. If nesting size insulation is used, the insulation shall be overlapped 2 inches or one pipe diameter. Elbows insulated using segments shall conform to MICA Tables 12.20 "Mitered Insulation Elbow".

3.3 DUCT INSULATION SYSTEMS INSTALLATION

Install duct insulation systems in accordance with the approved MICA Insulation Stds plates as supplemented by the manufacturer's published installation instructions.

Except for oven hood exhaust duct insulation, corner angles shall be installed on external corners of insulation on ductwork in exposed finished spaces before covering with jacket. Air conditioned spaces shall be defined as those spaces directly supplied with cooled conditioned air (or provided with a cooling device such as a fan-coil unit) and heated conditioned air (or provided with a heating device such as a unit heater, radiator or convector).

3.3.1 Duct Insulation Thickness

Duct insulation thickness shall be in accordance with Table 4.

Table 4 - Minimum Duct Insulation (inches)	
Cold Air Ducts	2.0
Relief Ducts	1.5
Fresh Air Intake Ducts	1.5
Warm Air Ducts	2.0
Relief Ducts	1.5
Fresh Air Intake Ducts	1.5

3.3.2 Insulation and Vapor Retarder/Vapor Barrier for Cold Air Duct

Insulation and vapor retarder/vapor barrier shall be provided for the following cold air ducts and associated equipment.

a. Supply ducts.

b. Return air ducts.

c. Relief ducts.

d. Flexible run-outs (field-insulated).

e. Plenums.

f. Duct-mounted coil casings.

g. Coil headers and return bends.

h. Coil casings.

i. Fresh air intake ducts.

j. Filter boxes.

k. Mixing boxes (field-insulated).

l. Supply fans (field-insulated).

m. Site-erected air conditioner casings.

n. Ducts exposed to weather.

o. Combustion air intake ducts.

Insulation for rectangular ducts shall be flexible type where concealed, minimum density 3/4 pcf, and rigid type where exposed, minimum density 3 pcf. Insulation for both concealed or exposed round/oval ducts shall be flexible type, minimum density 3/4 pcf or a semi rigid board, minimum density 3 pcf, formed or fabricated to a tight fit, edges beveled and joints tightly butted and staggered. Insulation for all exposed ducts shall be provided with either a white, paint-able, factory-applied Type I jacket or a field applied vapor retarder/vapor barrier jacket coating finish as specified, the total field applied dry film thickness shall be approximately 1/16 inch. Insulation on all concealed duct shall be provided with a factory-applied Type I or II vapor retarder/vapor barrier jacket. Duct insulation shall be continuous through sleeves and prepared openings except firewall penetrations. Duct insulation terminating at fire dampers, shall be continuous over the damper collar and retaining angle of fire dampers, which are exposed to unconditioned air and which may be prone to condensate formation. Duct insulation and vapor retarder/vapor barrier shall cover the collar, neck, and any un-insulated surfaces of diffusers, registers and grills. Vapor retarder/vapor barrier materials shall be applied to form a complete unbroken vapor seal over the insulation. Sheet Metal Duct shall be sealed in accordance with Section 23 00 00 AIR SUPPLY, DISTRIBUTION, VENTILATION, AND EXHAUST SYSTEM.

3.3.2.1 Installation on Concealed Duct

a. For rectangular, oval or round ducts, flexible insulation shall be attached by applying adhesive around the entire perimeter of the duct in 6 inch wide strips on 12 inch centers.

b. For rectangular and oval ducts, 24 inches and larger insulation shall be additionally secured to bottom of ducts by the use of mechanical

fasteners. Fasteners shall be spaced on 16 inch centers and not more than 16 inches from duct corners.

c. For rectangular, oval and round ducts, mechanical fasteners shall be provided on sides of duct risers for all duct sizes. Fasteners shall be spaced on 16 inch centers and not more than 16 inches from duct corners.

d. Insulation shall be impaled on the mechanical fasteners (self stick pins) where used and shall be pressed thoroughly into the adhesive. Care shall be taken to ensure vapor retarder/vapor barrier jacket joints overlap 2 inches. The insulation shall not be compressed to a thickness less than that specified. Insulation shall be carried over standing seams and trapeze-type duct hangers.

e. Where mechanical fasteners are used, self-locking washers shall be installed and the pin trimmed and bent over.

f. Jacket overlaps shall be secured with staples and tape as necessary to ensure a secure seal. Staples, tape and seams shall be coated with a brush coat of vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate (minimum 2 mils adhesive, 3 mils embossed) - less than 0.0000 perm adhesive tape.

g. Breaks in the jacket material shall be covered with patches of the same material as the vapor retarder jacket. The patches shall extend not less than 2 inches beyond the break or penetration in all directions and shall be secured with tape and staples. Staples and tape joints shall be sealed with a brush coat of vapor retarder coating or PVDC adhesive tape or greater than 3 ply laminate (minimum 2 mils adhesive, 3 mils embossed) - less than 0.0000 perm adhesive tape.

h. At jacket penetrations such as hangers, thermometers, and damper operating rods, voids in the insulation shall be filled and the penetration sealed with a brush coat of vapor retarder coating or PVDC adhesive tape greater than 3 ply laminate (minimum 2 mils adhesive, 3 mils embossed) - less than 0.0000 perm adhesive tape.

i. Insulation terminations and pin punctures shall be sealed and flashed with a reinforced vapor retarder coating finish or tape with a brush coat of vapor retarder coating.. The coating shall overlap the adjoining insulation and un-insulated surface 2 inches. Pin puncture coatings shall extend 2 inches from the puncture in all directions.

j. Where insulation standoff brackets occur, insulation shall be extended under the bracket and the jacket terminated at the bracket.

3.3.2.2 Installation on Exposed Duct Work

a. For rectangular ducts, rigid insulation shall be secured to the duct by mechanical fasteners on all four sides of the duct, spaced not more than 12 inches apart and not more than 3 inches from the edges of the insulation joints. A minimum of two rows of fasteners shall be provided for each side of duct 12 inches and larger. One row shall be provided for each side of duct less than 12 inches. Mechanical fasteners shall be as corrosion resistant as G60 coated galvanized steel, and shall indefinitely sustain a 50 lb tensile dead load test perpendicular to the duct wall.

b. Duct insulation shall be formed with minimum jacket seams. Each piece of rigid insulation shall be fastened to the duct using mechanical fasteners. When the height of projections is less than the insulation thickness, insulation shall be brought up to standing seams, reinforcing, and other vertical projections and shall not be carried over. Vapor retarder/barrier jacket shall be continuous across seams, reinforcing, and projections. When height of projections is greater than the insulation thickness, insulation and jacket shall be carried over. Apply insulation with joints tightly butted. Neatly bevel insulation around name plates and access plates and doors.

c. Insulation shall be impaled on the fasteners; self-locking washers shall be installed and the pin trimmed and bent over.

d. Joints in the insulation jacket shall be sealed with a 4 inch wide strip of tape. Tape seams shall be sealed with a brush coat of vapor retarder coating.

e. Breaks and ribs or standing seam penetrations in the jacket material shall be covered with a patch of the same material as the jacket. Patches shall extend not less than 2 inches beyond the break or penetration and shall be secured with tape and stapled. Staples and joints shall be sealed with a brush coat of vapor retarder coating.

f. At jacket penetrations such as hangers, thermometers, and damper operating rods, the voids in the insulation shall be filled and the penetrations sealed with a brush coat of vapor retarder coating.

g. Insulation terminations and pin punctures shall be sealed and flashed with a reinforced vapor retarder coating finish. The coating shall overlap the adjoining insulation and un-insulated surface 2 inches. Pin puncture coatings shall extend 2 inches from the puncture in all directions.

h. Oval and round ducts, flexible type, shall be insulated with factory Type I jacket insulation with minimum density of 3/4 pcf, attached as in accordance with MICA standards.

3.3.3 Insulation for Warm Air Duct

Insulation and vapor barrier shall be provided for the following warm air ducts and associated equipment:.

a. Supply ducts.

b. Return air ducts.

c. Relief air ducts

d. Flexible run-outs (field insulated).

e. Plenums.

f. Duct-mounted coil casings.

g. Coil-headers and return bends.

h. Coil casings.

i. Fresh air intake ducts.

j. Filter boxes.

k. Mixing boxes.

l. Supply fans.

m. Site-erected air conditioner casings.

n. Ducts exposed to weather.

Insulation for rectangular ducts shall be flexible type where concealed, and rigid type where exposed. Insulation on exposed ducts shall be provided with a white, paint-able, factory-applied Type II jacket, or finished with adhesive finish. Flexible type insulation shall be used for round ducts, with a factory-applied Type II jacket. Insulation on concealed duct shall be provided with a factory-applied Type II jacket. Adhesive finish where indicated to be used shall be accomplished by applying two coats of adhesive with a layer of glass cloth embedded between the coats. The total dry film thickness shall be approximately 1/16 inch. Duct insulation shall be continuous through sleeves and prepared openings. Duct insulation shall terminate at fire dampers and flexible connections.

3.3.3.1 Installation on Concealed Duct

a. For rectangular, oval and round ducts, insulation shall be attached by applying adhesive around the entire perimeter of the duct in 6 inch wide strips on 12 inch centers.

b. For rectangular and oval ducts 24 inches and larger, insulation shall be secured to the bottom of ducts by the use of mechanical fasteners. Fasteners shall be spaced on 18 inch centers and not more than 18 inches from duct corner.

c. For rectangular, oval and round ducts, mechanical fasteners shall be provided on sides of duct risers for all duct sizes. Fasteners shall be spaced on 18 inch centers and not more than 18 inches from duct corners.

d. The insulation shall be impaled on the mechanical fasteners where used. The insulation shall not be compressed to a thickness less than that specified. Insulation shall be carried over standing seams and trapeze-type hangers.

e. Self-locking washers shall be installed where mechanical fasteners are used and the pin trimmed and bent over.

f. Insulation jacket shall overlap not less than 2 inches at joints and the lap shall be secured and stapled on 4 inch centers.

3.3.3.2 Installation on Exposed Duct

a. For rectangular ducts, the rigid insulation shall be secured to the duct by the use of mechanical fasteners on all four sides of the duct, spaced not more than 16 inches apart and not more than 6 inches from the edges of the insulation joints. A minimum of two rows of fasteners shall be provided for each side of duct 12 inches and larger and a minimum of one row for each side of duct less than 12 inches.

b. Duct insulation with factory-applied jacket shall be formed with minimum jacket seams, and each piece of rigid insulation shall be fastened to the duct using mechanical fasteners. When the height of projection is less than the insulation thickness, insulation shall be brought up to standing seams, reinforcing, and other vertical projections and shall not be carried over the projection. Jacket shall be continuous across seams, reinforcing, and projections. Where the height of projections is greater than the insulation thickness, insulation and jacket shall be carried over the projection.

c. Insulation shall be impaled on the fasteners; self-locking washers shall be installed and pin trimmed and bent over.

d. Joints on jacketed insulation shall be sealed with a 4 inch wide strip of tape and brushed with vapor retarder coating.

e. Breaks and penetrations in the jacket material shall be covered with a patch of the same material as the jacket. Patches shall extend not less than 2 inches beyond the break or penetration and shall be secured with adhesive and stapled.

f. Insulation terminations and pin punctures shall be sealed with tape and brushed with vapor retarder coating.

g. Oval and round ducts, flexible type, shall be insulated with factory Type I jacket insulation, minimum density of 3/4 pcf attached by staples spaced not more than 16 inches and not more than 6 inches from the degrees of joints. Joints shall be sealed in accordance with item "d." above.

-- End of Section --

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SECTION 23 64 26

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CHILLED, CHILLED-HOT, AND CONDENSER WATER PIPING SYSTEMS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN WELDING SOCIETY (AWS)

AWS A5.8/A5.8M	(2011) Specification for Filler Metals for Brazing and Braze Welding
AWS BRH	(2007; 5th Ed) Brazing Handbook
AWS D1.1/D1.1M	(2010; Errata 2010) Structural Welding Code - Steel
AWS Z49.1	(2005) Safety in Welding and Cutting and Allied Processes

ASME INTERNATIONAL (ASME)

ASME B1.20.1	(1983; R 2006) Pipe Threads, General Purpose (Inch)
ASME B16.1	(2010) Gray Iron Pipe Flanges and Flanged Fittings Classes 25, 125, and 250
ASME B16.11	(2011) Forged Fittings, Socket-Welding and Threaded
ASME B16.18	(2012) Cast Copper Alloy Solder Joint Pressure Fittings
ASME B16.21	(2011) Nonmetallic Flat Gaskets for Pipe Flanges
ASME B16.22	(2001; R 2010) Standard for Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ASME B16.26	(2011) Standard for Cast Copper Alloy Fittings for Flared Copper Tubes
ASME B16.3	(2011) Malleable Iron Threaded Fittings, Classes 150 and 300
ASME B16.39	(2009) Standard for Malleable Iron Threaded Pipe Unions; Classes 150, 250, and 300

ASME B16.9	(2007) Standard for Factory-Made Wrought Steel Buttwelding Fittings
ASME B31.9	(2011) Building Services Piping

ASTM INTERNATIONAL (ASTM)

ASTM A53/A53M	(2012) Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM A733	(2003e1; R 2009) Standard Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples
ASTM B32	(2008) Standard Specification for Solder Metal
ASTM B42	(2010) Standard Specification for Seamless Copper Pipe, Standard Sizes
ASTM B62	(2009) Standard Specification for Composition Bronze or Ounce Metal Castings
ASTM B75/B75M	(2011) Standard Specification for Seamless Copper Tube
ASTM B813	(2010) Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
ASTM B88	(2009) Standard Specification for Seamless Copper Water Tube
ASTM D3308	(2006) PTFE Resin Skived Tape

MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY (MSS)

MSS SP-110	(2010) Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends
MSS SP-25	(2008) Standard Marking System for Valves, Fittings, Flanges and Unions
MSS SP-67	(2011) Butterfly Valves
MSS SP-72	(2010a) Ball Valves with Flanged or Butt-Welding Ends for General Service

1.2 SYSTEM DESCRIPTION

Provide the water systems having the minimum service (design) temperature-pressure rating indicated. Provision of the piping systems, including materials, installation, workmanship, fabrication, assembly, erection, examination, inspection, and testing shall be in accordance with the required and advisory provisions of ASME B31.9 except as modified or supplemented by this specification section or design drawings. This

specification section covers the water systems piping which is located within, on, and adjacent to building(s) within the building(s) 5 foot line.

1.3 SUBMITTALS

Not used.

1.4 MODIFICATIONS TO REFERENCES

In each of the publications referred to herein, consider the advisory provisions to be mandatory, as though the word, "shall" had been substituted for "should" wherever it appears. Interpret references in these publications to the "authority having jurisdiction", or words of similar meaning, to mean the Contracting Officer.

1.4.1 Definitions

For the International Code Council (ICC) Codes referenced in the contract documents, advisory provisions shall be considered mandatory, the word "should" shall be interpreted as "shall." Reference to the "code official" shall be interpreted to mean the "Contracting Officer." For Navy owned property, references to the "owner" shall be interpreted to mean the "Contracting Officer." For leased facilities, references to the "owner" shall be interpreted to mean the "lessor." References to the "permit holder" shall be interpreted to mean the "Contractor."

1.4.2 Administrative Interpretations

For ICC Codes referenced in the contract documents, the provisions of Chapter 1, "Administrator," do not apply. These administrative requirements are covered by the applicable Federal Acquisition Regulations (FAR) included in this contract and by the authority granted to the Officer in Charge of Construction to administer the construction of this project. References in the ICC Codes to sections of Chapter 1, shall be applied appropriately by the Contracting Officer as authorized by his administrative cognizance and the FAR.

1.5 SAFETY REQUIREMENTS

Exposed moving parts, parts that produce high operating temperature, parts which may be electrically energized, and parts that may be a hazard to operating personnel shall be insulated, fully enclosed, guarded, or fitted with other types of safety devices. Safety devices shall be installed so that proper operation of equipment is not impaired.

1.6 DELIVERY, STORAGE, AND HANDLING

Protect stored items from the weather, humidity and temperature variations, dirt and dust, or other contaminants. Proper protection and care of all material both before and during installation shall be the Contractor's responsibility. Any materials found to be damaged shall be replaced at the Contractor's expense. During installation, cap piping and similar openings to keep out dirt and other foreign matter. Any porous materials found to be contaminated with mold or mildew will be replaced at the Contractor's expense. Non-porous materials found to be contaminated with mold or mildew will be disinfected and cleaned prior to installation.

1.7 PROJECT/SITE CONDITIONS

1.7.1 Verification of Dimensions

The Contractor shall become familiar with all details of the work, verify all dimensions in the field, and advise the Contracting Officer of any discrepancy before performing any work.

1.7.2 Drawings

Because of the small scale of the drawings, it is not possible to indicate all offsets, fittings, and accessories that may be required. The Contractor shall carefully investigate the plumbing, fire protection, electrical, structural and finish conditions that would affect the work to be performed and shall arrange such work accordingly, furnishing required offsets, fittings, and accessories to meet such conditions.

1.7.3 Accessibility

Install all work so that parts requiring periodic inspection, operation, maintenance, and repair are readily accessible. Install concealed valves, expansion joints, controls, dampers, and equipment requiring access, in locations freely accessible through access doors.

PART 2 PRODUCTS

2.1 STANDARD COMMERCIAL PRODUCTS

Materials and equipment shall be standard products of a manufacturer regularly engaged in the manufacturing of such products, which are of a similar material, design and workmanship. The standard products shall have been in satisfactory commercial or industrial use for 2 years prior to bid opening.

The two year use shall include applications of equipment and materials under similar circumstances and of similar size. The 2 years experience shall be satisfactorily completed by a product which has been sold or is offered for sale on the commercial market through advertisements, manufacturer's catalogs, or brochures.

Products having less than a 2 year field service record shall be acceptable if a certified record of satisfactory field operation, for not less than 6000 hours exclusive of the manufacturer's factory tests, can be shown. System components shall be environmentally suitable for the indicated locations.

The equipment items shall be supported by service organizations These service organizations shall be reasonably convenient to the equipment installation and able to render satisfactory service to the equipment on a regular and emergency basis during the warranty period of the contract.

2.2 STEEL PIPING

Water piping shall be steel pipe or copper tubing. Provide steel piping with a ANSI/ASME Class 125 service rating, which for 150 degrees F, the pressure rating is 175 psig.

2.2.1 Pipe

Steel pipe, conform to ASTM A53/A53M, Schedule 40, Type E or S, Grades A or B. Do not use Type F pipe.

2.2.2 Fittings and End Connections (Joints)

Piping and fittings 1 inch and smaller shall have threaded connections. Piping and fittings larger than 1 inch and smaller than 3 inches shall have either threaded, grooved, or welded connections. Piping and fittings 3 inches and larger shall have grooved, welded, or flanged connections. The manufacturer of each fitting shall be permanently identified on the body of the fitting in accordance with MSS SP-25.

2.2.2.1 Threaded Connections

Use threaded valves and pipe connections conforming to ASME B1.20.1. Used threaded fitting conforming to ASME B16.3. Use threaded unions conforming to ASME B16.39. Use threaded pipe nipples conforming to ASTM A733.

2.2.2.2 Flanged Connections

Flanges shall conform to ASME B16.1, Class 150. Gaskets shall be nonasbestos compressed material in accordance with ASME B16.21, 1/16 inch thickness, full face or self-centering flat ring type. These gaskets shall contain aramid fibers bonded with styrene butadeine rubber (SBR) or nitrile butadeine rubber (NBR). Bolts, nuts, and bolt patterns shall conform to ASME B16.1.

2.2.2.3 Welded Connections

Welded valves and pipe connections (both butt-welds and socket-welds types) shall conform to ASME B31.9. Butt-welded fittings shall conform to ASME B16.9. Socket-welded fittings shall conform to ASME B16.11. Welded fittings shall be identified with the appropriate grade and marking symbol.

2.3 COPPER TUBING

Provide copper tubing and fittings with a ANSI/ASME Class 125 service rating, which for 150 degrees F., the pressure rating is 175 psig.

2.3.1 Tube

Use copper tube conforming to ASTM B88, Type L or M for aboveground tubing, and Type K for buried tubing.

2.3.2 Fittings and End Connections (Solder and Flared Joints)

Wrought copper and bronze solder joint pressure fittings, including unions ands flanges, shall conform to ASME B16.22 and ASTM B75/B75M. Provide adapters as required. Cast copper alloy solder-joint pressure fittings , including unions and flanges, shall conform to ASME B16.18. Cast copper alloy fittings for flared copper tube shall conform to ASME B16.26 and ASTM B62. ASTM B42 copper pipe nipples with threaded end connections shall conform to ASTM B42.

Copper tubing of sizes larger than 4 inches shall have brazed joints.Brass or bronze adapters for brazed tubing may be used for connecting tubing to flanges and to threaded ends of valves and equipment.

Extracted brazed tee joints may be used if produced with an acceptable tool and installed in accordance with tool manufacturer's written procedures.

2.3.3 Solder

Provide solder in conformance with ASTM B32, grade Sb5, tin-antimony alloy. Solder flux shall be liquid or paste form, non-corrosive and conform to ASTM B813.

2.3.4 Brazing Filler Metal

Filler metal shall conform to AWS A5.8/A5.8M, Type BAg-5 with AWS Type 3 flux, except Type BCuP-5 or BCuP-6 may be used for brazing copper-to-copper joints.

2.4 VALVES

Provide valves with a ANSI/ASME Class 125 service rating, which for 150 degrees F, the pressure rating is 175 psig.

Valves in sizes larger than 1 inch and used on steel pipe systems, may be provided with rigid grooved mechanical joint ends. Such grooved end valves shall be subject to the same requirements as rigid grooved mechanical joints and fittings and, shall be furnished by the same manufacturer as the grooved pipe joint and fitting system.

2.4.1 Butterfly Valve

Butterfly valves shall conform to MSS SP-67, Type 1 and shall be either the wafer or lug type. Valves smaller than 8 inches shall have throttling handles with a minimum of seven locking positions. Valves 8 inches and larger shall have totally enclosed manual gear operators with adjustable balance return stops and position indicators.

2.4.2 Ball Valve

Full port design. Ball valves 1/2 inch and larger shall conform to MSS SP-72 or MSS SP-110 and shall be cast iron or bronze with threaded, soldered, or flanged ends. Valves 8 inches or larger shall be provided with manual gear operators with position indicators. Ball valves may be provided in lieu of gate valves.

2.5 RELATED COMPONENTS/SERVICES

2.5.1 Field Applied Insulation

Requirements for field applied insulation is specified in Section 23 07 00 THERMAL INSULATION FOR MECHANICAL SYSTEMS.

PART 3 EXECUTION

3.1 INSTALLATION

Cut pipe accurately to measurements established at the jobsite, and work into place without springing or forcing, completely clearing all windows, doors, and other openings. Cutting or other weakening of the building structure to facilitate piping installation is not permitted without

written approval. Cut pipe or tubing square, remove burrs by reaming, and fashion to permit free expansion and contraction without causing damage to the building structure, pipe, joints, or hangers.

Notify the Contracting Officer in writing at least 15 calendar days prior to the date the connections are required. Obtain approval before interrupting service. Furnish materials required to make connections into existing systems and perform excavating, backfilling, compacting, and other incidental labor as required. Furnish labor and tools for making actual connections to existing systems.

3.1.1 Welding

Provide welding work specified this section for piping systems in conformance with ASME B31.9, as modified and supplemented by this specification section and the accompanying drawings. The welding work includes: qualification of welding procedures, welders, welding operators, brazers, brazing operators, and nondestructive examination personnel; maintenance of welding records, and examination methods for welds.

3.1.1.1 Welding Safety

Welding and cutting safety requirements shall be in accordance with AWS Z49.1.

3.1.2 Fittings and End Connections

3.1.2.1 Threaded Connections

Threaded connections shall be made with tapered threads and made tight with PTFE tape complying with ASTM D3308 or equivalent thread-joint compound applied to the male threads only. Not more than three threads shall show after the joint is made.

3.1.2.2 Brazed Connections

Brazing, AWS BRH, except as modified herein. During brazing, the pipe and fittings shall be filled with a pressure regulated inert gas, such as nitrogen, to prevent the formation of scale. Before brazing copper joints, both the outside of the tube and the inside of the fitting shall be cleaned with a wire fitting brush until the entire joint surface is bright and clean. Do not use brazing flux. Surplus brazing material shall be removed at all joints. Steel tubing joints shall be made in accordance with the manufacturer's recommendations. Piping shall be supported prior to brazing and not be sprung or forced.

3.1.2.3 Welded Connections

Branch connections shall be made with welding tees or forged welding branch outlets. Pipe shall be thoroughly cleaned of all scale and foreign matter before the piping is assembled. During welding, the pipe and fittings shall be filled with an inert gas, such as nitrogen, to prevent the formation of scale. Beveling, alignment, heat treatment, and inspection of weld shall conform to ASME B31.9. Weld defects shall be removed and rewelded at no additional cost to the Government. Electrodes shall be stored and dried in accordance with AWS D1.1/D1.1M or as recommended by the manufacturer. Electrodes that have been wetted or that have lost any of their coating shall not be used.

3.1.2.4 Flared Connections

When flared connections are used, a suitable lubricant shall be used between the back of the flare and the nut in order to avoid tearing the flare while tightening the nut.

3.1.2.5 Flanges and Unions

Except where copper tubing is used, union or flanged joints shall be provided in each line immediately preceding the connection to each piece of equipment or material requiring maintenance such as coils, pumps, control valves, and other similar items. Flanged joints shall be assembled square end tight with matched flanges, gaskets, and bolts. Gaskets shall be suitable for the intended application.

3.1.3 Valves

Isolation gate or ball valves shall be installed on each side of each piece of equipment, at the midpoint of all looped mains, and at any other points indicated or required for draining, isolating, or sectionalizing purpose. Isolation valves may be omitted where balancing cocks are installed to provide both balancing and isolation functions. Each valve except check valves shall be identified. Valves in horizontal lines shall be installed with stems horizontal or above.

3.1.4 Drains

Drains shall be provided at all low points and where indicated to ensure complete drainage of the piping. Drains shall be accessible, and shall consist of nipples and caps or plugged tees unless otherwise indicated.

3.2 CLEANING AND ADJUSTING

Pipes shall be cleaned free of scale and thoroughly flushed of all foreign matter. A temporary bypass shall be provided for all water coils to prevent flushing water from passing through coils. Strainers and valves shall be thoroughly cleaned. Prior to testing and balancing, air shall be removed from all water systems by operating the air vents. Temporary measures, such as piping the overflow from vents to a collecting vessel shall be taken to avoid water damage during the venting process. Air vents shall be plugged or capped after the system has been vented. Control valves and other miscellaneous equipment requiring adjustment shall be adjusted to setting indicated or directed.

3.3 FIELD TESTS

3.3.1 Related Field Inspections and Testing

3.3.1.1 Piping Welds

Examination of Piping Welds is specified in the paragraph above entitled "Examination of Piping Welds".

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BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM D709	(2001; R 2007) Laminated Thermosetting Materials

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE 100	(2000; Archived) The Authoritative Dictionary of IEEE Standards Terms
IEEE C2	(2012; Errata 2012; INT 1 2012; INT 2 2012) National Electrical Safety Code

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NEMA 250	(2008) Enclosures for Electrical Equipment (1000 Volts Maximum)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(2011; Errata 2 2012) National Electrical Code

1.2 RELATED REQUIREMENTS

This section applies to certain sections of Divisions 22 and 23, PLUMBING and HEATING VENTILATING AND AIR CONDITIONING. This section applies to all sections of Division 26, ELECTRICAL, of this project specification unless specified otherwise in the individual sections. This section has been incorporated into, and thus, does not apply to, and is not referenced in the following sections.

Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM AND GROUNDING

Section 26 51 00.00 40 INTERIOR LIGHTING

1.3 DEFINITIONS

a. Unless otherwise specified or indicated, electrical and electronics terms used in these specifications, and on the drawings, shall be as defined in IEEE 100.

b. The technical sections referred to herein are those specification sections that describe products, installation procedures, and equipment

operations and that refer to this section for detailed description of submittal types.

c. The technical paragraphs referred to herein are those paragraphs in PART 2 - PRODUCTS and PART 3 - EXECUTION of the technical sections that describe products, systems, installation procedures, equipment, and test methods.

1.4 ELECTRICAL CHARACTERISTICS

Electrical characteristics for this project shall be 13.2 kV primary, three phase, three wire, 60 Hz, and 480Y/277 and 208Y/120 volts secondary, three phase, four wire. Connections to the existing power distribution system shall be made by the Contractor as shown on the drawings.

1.5 ADDITIONAL SUBMITTALS INFORMATION

Submittals required in other sections that refer to this section must conform to the following additional requirements as applicable.

1.5.1 Shop Drawings (SD-02)

Include wiring diagrams and installation details of equipment indicating proposed location, layout and arrangement, control panels, accessories, piping, ductwork, and other items that must be shown to ensure a coordinated installation. Wiring diagrams shall identify circuit terminals and indicate the internal wiring for each item of equipment and the interconnection between each item of equipment. Drawings shall indicate adequate clearance for operation, maintenance, and replacement of operating equipment devices.

1.5.2 Product Data (SD-03)

Submittal shall include performance and characteristic curves.

1.6 QUALITY ASSURANCE

1.6.1 Regulatory Requirements

In each of the publications referred to herein, consider the advisory provisions to be mandatory, as though the word, "shall" had been substituted for "should" wherever it appears. Interpret references in these publications to the "authority having jurisdiction," or words of similar meaning, to mean the Contracting Officer. Equipment, materials, installation, and workmanship shall be in accordance with the mandatory and advisory provisions of NFPA 70 unless more stringent requirements are specified or indicated.

1.6.2 Standard Products

Provide materials and equipment that are products of manufacturers regularly engaged in the production of such products which are of equal material, design and workmanship. Products shall have been in satisfactory commercial or industrial use for 2 years prior to bid opening. The 2-year period shall include applications of equipment and materials under similar circumstances and of similar size. The product shall have been on sale on the commercial market through advertisements, manufacturers' catalogs, or brochures during the 2-year period. Where two or more items of the same class of equipment are required, these items shall be products of a single

manufacturer; however, the component parts of the item need not be the products of the same manufacturer unless stated in the technical section.

1.6.2.1 Alternative Qualifications

Products having less than a 2-year field service record will be acceptable if a certified record of satisfactory field operation for not less than 6000 hours, exclusive of the manufacturers' factory or laboratory tests, is furnished.

1.6.2.2 Material and Equipment Manufacturing Date

Products manufactured more than 3 years prior to date of delivery to site shall not be used, unless specified otherwise.

1.7 WARRANTY

The equipment items shall be supported by service organizations which are reasonably convenient to the equipment installation in order to render satisfactory service to the equipment on a regular and emergency basis during the warranty period of the contract.

1.8 POSTED OPERATING INSTRUCTIONS

Provide for each system and principal item of equipment as specified in the technical sections for use by operation and maintenance personnel. The operating instructions shall include the following:

a. Wiring diagrams, control diagrams, and control sequence for each principal system and item of equipment.

b. Start up, proper adjustment, operating, lubrication, and shutdown procedures.

c. Safety precautions.

d. The procedure in the event of equipment failure.

e. Other items of instruction as recommended by the manufacturer of each system or item of equipment.

Print or engrave operating instructions and frame under glass or in approved laminated plastic. Post instructions where directed. For operating instructions exposed to the weather, provide weather-resistant materials or weatherproof enclosures. Operating instructions shall not fade when exposed to sunlight and shall be secured to prevent easy removal or peeling.

1.9 MANUFACTURER'S NAMEPLATE

Each item of equipment shall have a nameplate bearing the manufacturer's name, address, model number, and serial number securely affixed in a conspicuous place; the nameplate of the distributing agent will not be acceptable.

1.10 FIELD FABRICATED NAMEPLATES

ASTM D709. Provide laminated plastic nameplates for each equipment enclosure, relay, switch, and device; as specified in the technical

sections or as indicated on the drawings. Each nameplate inscription shall identify the function and, when applicable, the position. Normal power n ameplates shall match existing nameplates for system installed. Emergency Nameplates shall match existing nameplates installed.

1.11 ELECTRICAL REQUIREMENTS

Electrical installations shall conform to IEEE C2, NFPA 70, and requirements specified herein.

1.12 INSTRUCTION TO GOVERNMENT PERSONNEL

Where specified in the technical sections, furnish the services of competent instructors to give full instruction to designated Government personnel in the adjustment, operation, and maintenance of the specified systems and equipment, including pertinent safety requirements as required. Instructors shall be thoroughly familiar with all parts of the installation and shall be trained in operating theory as well as practical operation and maintenance work. Instruction shall be given during the first regular work week after the equipment or system has been accepted and turned over to the Government for regular operation. The number of man-days (8 hours per day) of instruction furnished shall be as specified in the individual section.

PART 2 PRODUCTS

2.1 FACTORY APPLIED FINISH

Electrical equipment shall have factory-applied painting systems which shall, as a minimum, meet the requirements of NEMA 250 corrosion-resistance test and the additional requirements specified in the technical sections.

PART 3 EXECUTION

3.1 FIELD APPLIED PAINTING

Paint electrical equipment as required to match finish of adjacent surfaces or to meet the indicated or specified safety criteria.

3.2 FIELD FABRICATED NAMEPLATE MOUNTING

Provide number, location, and letter designation of nameplates as indicated. Fasten nameplates to the device with a minimum of two sheet-metal screws or two rivets and/or match existing.

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LIGHTING CONTROL DEVICES

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

GREEN SEAL (GS)

GC-12 (1997) Occupancy Sensors

1.2 GENERAL REQUIREMENTS

Section 26 00 00.00 20 BASIC ELECTRICAL MATERIALS AND METHODS applies to work specified in this section.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Timer Switches; G

Emergency Lighting Control Unit; G

Occupancy Sensors; G

SD-06 Test Reports

Submit test reports for System Operation Tests in the presence of the Contracting Officer.

SD-08 Manufacturer's InstructionsSD-10 Operation and Maintenance Data

PART 2 PRODUCTS

2.1 OCCUPANCY SENSORS

Provide UL listed occupancy sensor complying with GC-12. Design occupancy sensors and power packs to operate on the voltage indicated. Provide sensors and power packs with circuitry that only allows load switching at or near zero current crossing of supply voltage, with mounting as indicated. Provide sensor with an LED occupant detection indicator, adjustable sensitivity, and adjustable delayed-off time range of 5 minutes to 15 minutes. Provide wall mounted sensors, and white ceiling mounted

sensors. Provide ceiling mounted sensors with 360 degree coverage unless otherwise indicated.

a. Provide crystal controlled ultrasonic sensor which does not cause detection interference between adjacent sensors.

b. Provide infrared sensors with a daylight filter, and a fresnel lens that is applicable to space to be controlled.

c. Ultrasonic/Infrared Combination Sensor

Occupancy detection to turn lights on requires both ultrasonic and infrared sensor detection, such that the lights remain on if either the ultrasonic or infrared sensor detects movement. Provide infrared sensor with a lens selected for indicated usage and daylight filter to prevent short wavelength infrared interference. Provide crystal controlled ultrasonic sensor frequency.

d. Wall Mounted, Dual Technology Occupancy Sensor
1. Application: Where indicated
a. DW-100 series or approved equal

2.2 TIMER SWITCHES

1. Manufacturer: WattStopper Legrand or approved equal

2. Wall Mounted Digital Timer Switch
a. Application: Where indicated
1) TS-400

2.3 EMERGENCY LIGHTING CONTROL UNIT

1. Provide Emergency Lighting Control Unit, LVS EPC-D-F. or approved equal

2. UL 924 listed

3. Integral push-to-test button

4. Be rated at 120 or 277 volts

5. Have a 5-year warranty

2 4 EQUIPMENT IDENTIFICATION

2.4.1 Manufacturer's Nameplate

Provide each item of equipment with a nameplate bearing the manufacturer's name, address, model number, and serial number securely affixed in an inconspicuous place; the nameplate of the distributing agent is not acceptable.

2.4.2 Labels

Provide labeled control devices, clearly marked for operation of specific lighting functions according to type. Note the following devices characteristics in the format "Use Only ____ ":

Make markings related to control device type clear and locate to be readily visible to service personnel, but unseen from normal viewing angles when

devices are in place.

PART 3 EXECUTION

3.1 INSTALLATION

3.1.1 Switches

Install switches with not less than four 1/4 inch bolts. The use of sheet metal screws is not allowed.

3.2 FIELD TESTING

Demonstrate that photoconductive control devices operate satisfactorily in the presence of the Contracting Officer.

Perform System Operation Tests in accordance with referenced standards in this section.

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SECTION 26 20 00

INTERIOR DISTRIBUTION SYSTEM AND GROUNDING

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM B1	(2001; R 2007) Standard Specification for Hard-Drawn Copper Wire
ASTM B3	(2001; R 2007) Standard Specification for Soft or Annealed Copper Wire
ASTM B8	(2011) Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
ASTM D709	(2001; R 2007) Laminated Thermosetting Materials

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE 100	(2000; Archived) The Authoritative Dictionary of IEEE Standards Terms
IEEE C2	(2012; Errata 2012; INT 1 2012; INT 2 2012) National Electrical Safety Code

INTERNATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)

NETA ATS	(2009) Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

ANSI C80.1	(2005) American National Standard for Electrical Rigid Steel Conduit (ERSC)
ANSI C80.3	(2005) American National Standard for Electrical Metallic Tubing (EMT)
NEMA 250	(2008) Enclosures for Electrical Equipment (1000 Volts Maximum)
NEMA AB 3	(2012) Molded Case Circuit Breakers and Their Application
NEMA ICS 1	(2000; R 2005; R 2008) Standard for

	Industrial Control and Systems: General Requirements
NEMA ICS 6	(1993; R 2011) Enclosures
NEMA RN 1	(2005) Polyvinyl-Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit
NEMA WD 1	(1999; R 2005; R 2010) Standard for General Color Requirements for Wiring Devices
NEMA Z535.4	(2011) American National Standard for Product Safety Signs and Labels

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(2011; Errata 2 2012) National Electrical Code
NFPA 70E	(2012; Errata 1) Standard for Electrical Safety in the Workplace
NFPA 780	(2011) Standard for the Installation of Lightning Protection Systems

UNDERWRITERS LABORATORIES (UL)

UL 1	(2005; Reprint Jul 2012) Standard for Flexible Metal Conduit
UL 1660	(2004; Reprint Apr 2008) Liquid-Tight Flexible Nonmetallic Conduit
UL 20	(2010) General-Use Snap Switches
UL 360	(2009; Reprint Jun 2009) Liquid-Tight Flexible Steel Conduit
UL 467	(2007) Grounding and Bonding Equipment
UL 486A-486B	(2003; Reprint Feb 2010) Wire Connectors
UL 486C	(2004; Reprint Feb 2010) Splicing Wire Connectors
UL 489	(2009; Reprint Jun 2011) Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures
UL 50	(2007; Reprint Apr 2012) Enclosures for Electrical Equipment, Non-environmental Considerations
UL 510	(2005; Reprint Apr 2008) Polyvinyl Chloride, Polyethylene and Rubber Insulating Tape

UL 514A	(2004; Reprint Apr 2010) Metallic Outlet Boxes
UL 514B	(2012) Conduit, Tubing and Cable Fittings
UL 514C	(1996; Reprint Nov 2011) Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
UL 6	(2007; reprint Nov 2010) Electrical Rigid Metal Conduit-Steel
UL 67	(2009; Reprint Sep 2010) Standard for Panelboards
UL 797	(2007) Electrical Metallic Tubing -- Steel
UL 83	(2008) Thermoplastic-Insulated Wires and Cables
UL 869A	(2006) Reference Standard for Service Equipment
UL 870	(2008) Standard for Wireways, Auxiliary Gutters, and Associated Fittings

1.2 DEFINITIONS

Unless otherwise specified or indicated, electrical and electronics terms used in these specifications, and on the drawings, shall be as defined in IEEE 100.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Panelboards; G

Wireways; G

Marking strips drawings; G

SD-03 Product Data

Conduit and fittings; G

Raceways; G

Outlet boxes and covers; G

Cabinets, junction boxes, and pull boxes; G

Wire and cable, G

Splices and termination components; G

Device plates; G

Ground conductor; G

Ground connectors and fasteners; G

Circuit breakers; G

Switches; G

SD-06 Test Reports

Grounding system test; G

1.4 QUALITY ASSURANCE

1.4.1 Regulatory Requirements

In each of the publications referred to herein, consider the advisory provisions to be mandatory, as though the word, "shall" had been substituted for "should" wherever it appears. Interpret references in these publications to the "authority having jurisdiction," or words of similar meaning, to mean the Contracting Officer. Equipment, materials, installation, and workmanship shall be in accordance with the mandatory and advisory provisions of NFPA 70 unless more stringent requirements are specified or indicated.

1.4.2 Standard Products

Provide materials and equipment that are products of manufacturers regularly engaged in the production of such products which are of equal material, design and workmanship. Products shall have been in satisfactory commercial or industrial use for 2 years prior to bid opening. The 2-year period shall include applications of equipment and materials under similar circumstances and of similar size. The product shall have been on sale on the commercial market through advertisements, manufacturers' catalogs, or brochures during the 2-year period. Where two or more items of the same class of equipment are required, these items shall be products of a single manufacturer.

1.4.2.1 Material and Equipment Manufacturing Date

Products manufactured more than 3 years prior to date of delivery to site shall not be used, unless specified otherwise.

PART 2 PRODUCTS

2.1 MATERIALS AND EQUIPMENT

Materials, equipment, and devices shall, as a minimum, meet requirements of UL, and shall be UL labeled where UL standards are established for those items, and requirements of NFPA 70.

2.2 CONDUIT AND FITTINGS

Shall conform to the following:

2.2.1 Rigid Metallic Conduit

2.2.1.1 Rigid, Threaded Zinc-Coated Steel Conduit

ANSI C80.1, UL 6, hot-dipped galvanized finish only.

2.2.2 Electrical, Zinc-Coated Steel Metallic Tubing (EMT)

UL 797, ANSI C80.3. Provide galvanized steel type and use in dry locations only.

2.2.3 Plastic-Coated Rigid Steel

NEMA RN 1, Type 40(40 mils thick).

Provide coated conduit and fittings where installed underground and in corrosive areas. Provide coated conduit and fittings where indicated in exterior areas.

2.2.4 Flexible Metal Conduit

UL 1.

2.2.4.1 Liquid-Tight Flexible Metal Conduit, Steel

UL 360. Provide protective jacket of PVC extruded over a flexible interlocked galvanized steel core conduit to protect wiring against moisture, oil, chemicals, and corrosive fumes.

2.2.5 Fittings for Metal Conduit, EMT, and Flexible Metal Conduit

UL 514B. Ferrous fittings shall be zinc-coated in accordance with UL 514B.

2.2.5.1 Fittings for Rigid Metal Conduit

Threaded-type. Split couplings unacceptable.

Provide fittings, (pulling-type) conduit bodies, bushings, locknuts and supports constructed of hot dipped galvanized malleable iron or steel.

Gaskets shall be the solid type. Conduit fittings with blank covers shall have gaskets, except in clean, dry areas or at the lowest point of a conduit run where drainage is required. Covers shall have captive screws and be accessible after the work has been completed.

Bushings shall be insulated type. Provide grounding type bushings at both ends on conduit containing service entrance conductors with lug suitable for a copper grounding conductor up to (4/0).

Provide gasketed liquid-tight hubs with hot-dipped galvanized finish when connecting rigid steel conduit to steel enclosures in wet or damp locations.

2.2.5.2 Fittings for EMT

Zinc-coated steel compression type. Provide connectors with insulated throat.

2.2.6 Liquid-Tight Flexible Nonmetallic Conduit

UL 1660. Fittings for flexible nonmetallic conduit shall be hot dipped galvanized malleable iron. Provide external grounding lug for conduit sizes greater than (1-1/4 inch).

2.3 OUTLET BOXES AND COVERS

UL 514A, zinc-coated, if ferrous metal. UL 514C, if nonmetallic. Box type shall be suitable for mounting service installed. Provide required rings, covers, and device plates for all boxes.

2.4 CABINETS, JUNCTION BOXES, AND PULL BOXES

Volume greater than 100 cubic inches, UL 50, and NEMA 250.

Pull and junction boxes in dry locations shall be hot-dipped galvanized steel without knockouts and with screw fastened covers.

Cabinets or boxes installed in interior dry locations shall be rated NEMA 1 except for boxes in mechanical equipment rooms which shall be rated NEMA 12.

Boxes with terminal strips or components installed shall include hinged covers, latch, pad-lock provisions, and interior mounting panel.

2.5 WIRES AND CABLES

Wires and cables shall be copper and shall meet applicable requirements of NFPA 70 and UL for type of insulation, jacket, and conductor specified or indicated. Wires and cables manufactured more than 12 months prior to date of delivery to site shall not be used.

2.5.1 Conductors

Conductors No. 8 AWG and larger diameter shall be stranded. Conductors No. 10 AWG and smaller diameter shall be solid, except that conductors for remote control, alarm, and signal circuits, classes 1, 2, and 3, shall be stranded unless specifically indicated otherwise. Conductor sizes and capacities shown are based on copper, unless indicated otherwise. All conductors shall be copper.

2.5.1.1 Minimum Conductor Sizes

Minimum size for branch circuits shall be No. 12 AWG; for Class 1 remote-control and signal circuits, No. 14 AWG; for Class 2 low-energy, remote-control and signal circuits, No. 16 AWG; and for Class 3 low-energy, remote-control, alarm and signal circuits, No. 22 AWG.

2.5.2 Color Coding

Provide for service, feeder, branch, control, and signaling circuit conductors. Color shall be green for grounding conductors. Color of neutrals in different voltage systems shall be as follows:

a. 208/120 volt, three-phase

(1) Phase A - black

(2) Phase B - red

(3) Phase C - blue

(4) Neutral - white

b. 480/277 volt, three-phase

(1) Phase A - brown

(2) Phase B - orange

(3) Phase C - yellow

(4) Neutral - gray

2.5.3 Insulation

Unless specified or indicated otherwise or required by NFPA 70, non-service entrance power and lighting wires installed above grade shall be 600-volt, Type THWN/THHN conforming to UL 83, except that grounding wire may be type TW conforming to UL 83; remote-control and signal circuits shall be Type TW or TF, conforming to UL 83. Where lighting fixtures require 90-degree Centigrade (C) conductors, provide only conductors with 90-degree C insulation or better.

2.5.4 Bonding Conductors

ASTM B1, solid bare copper wire for sizes No. 8 AWG and smaller diameter; ASTM B8, Class B, stranded bare copper wire for sizes No. 6 AWG and larger diameter.

2.6 SPLICES AND TERMINATION COMPONENTS

UL 486A-486B for wire connectors and UL 510 for insulating tapes. Connectors for No. 10 AWG and smaller diameter wires shall be insulated, pressure-type in accordance with UL 486A-486B or UL 486C (twist-on splicing connector). Provide solderless terminal lugs on stranded conductors.

Make all splices in AWG No. 8 and larger with copper indentor crimp-type connectors and compression tools. Joints shall be factory insulated or wrapped with an insulating tape that has an insulation and temperature rating equivalent to that of the conductor.

Make terminations to NEMA type cable pads using copper 2-hole standard or long barrel (as required) indentor crimp-type lugs.

Manufacturer's required tooling and dies shall be used on indentor crimp-type lugs.

Vinyl electrical tape shall be 8.5-mil thickness suitable for high and low temperature use.

Rubber splicing tape shall be 30-mil Ethylene Propylene Rubber (EPR) rated (90 degrees C) 194 degrees F.

2.7 DEVICE PLATES

Provide UL listed, one-piece device plates for outlets to suit the devices installed. For metal outlet boxes, plates on unfinished walls shall be of

zinc-coated sheet steel or cast metal having round or beveled edges. For nonmetallic boxes and fittings, other suitable plates may be provided. Screws shall be machine-type with countersunk heads in color to match finish of plate. Sectional type device plates will not be permitted. Plates installed in wet locations shall be gasketed and UL listed for "wet locations."

2.8 SWITCHES

2.8.1 Occupancy Sensor Switch

NEMA WD 1, UL 20, Wattstopper D-200 series or approved equal. Wall- or ceiling-mounting Dual-Technology Type, combination PIR and ultrasonic detection methods, field-selectable, solid-state units with a power supply and relay unit, suitable for the environmental conditions in which installed.

1. Operation: Unless otherwise indicated, turn lights on when covered area is occupied and off when unoccupied; with a 1 to 30 minute adjustable time delay for turning lights off.

2. Sensor Output: Contacts rated to operate the connected relay. Sensor shall be powered from the relay unit.

3. Relay Unit: Dry contacts rated for 20A ballast load at 120V and 277V.

4. Mounting:

a. Sensor: Suitable for mounting in any position on a standard outlet box.
b. Time-Delay and Sensitivity Adjustments: Recessed, Separate from each sensing technology and concealed behind hinged door.

5. Indicator: LED, to show when motion is being detected during testing and normal operation of the sensor.

6. Bypass Switch: Override the on function in case of sensor failure.

7. Manual/automatic selector switch.

8. Detector Sensitivity: Detect occurrences of 6-inch (150mm) minimum movement of any portion of a human body that presents a target of not less than 36 sq. in. (232 sq. cm), and detect a person of average size and weight moving not less than 12 inches (305 mm) in either a horizontal or a vertical manner at an approximate speed of 12 inches/s (305 mm/s).

9. Detection Coverage: Minimum 2000 ft^2.

2.9 PANELBOARDS

UL 67 and UL 50 having a short-circuit current rating as indicated. Panelboards for use as service disconnecting means shall additionally conform to UL 869A. Panelboards shall be bolt-on circuit breaker-equipped. Design shall be such that individual breakers can be removed without disturbing adjacent units or without loosening or removing supplemental insulation supplied as means of obtaining clearances as required by UL.

"Specific breaker placement" is required in panelboards to match the breaker placement indicated in the panelboard schedule on the drawings. Use of "Subfeed Breakers" is not acceptable unless specifically indicated otherwise. Main breaker shall be top or bottom mounted as indicated with provisions for connecting the sizes and quantities on incoming cables indicated. Where "space only" is indicated, make provisions for future installation of breakers. Directories shall indicate load served by each circuit in panelboard. Directories shall also indicate source of service to panelboard (e.g., Panel PA, 120/208VAC - 100 Amp, served from Panel MDP, Circuit 9). Type directories and mount in holder behind transparent protective covering. Panelboards shall be listed and labeled for their intended use. Panelboard shall have nameplates in accordance with paragraph "FIELD FABRICATED NAMEPLATES".

2.9.1 Enclosure

Enclosures shall meet the requirements of UL 50. All cabinets shall be fabricated from sheet steel of less than No. 12 gauge if surface-mounted indoors, with full seam-welded box ends. Cabinets flush-mounted shall be hot-dipped galvanized after fabrication. Cabinets shall be painted in accordance with paragraph PAINTING. Front edges of cabinets shall be form-flanged or fitted with structural shapes welded or riveted to the sheet steel, for supporting the panelboard front. All cabinets shall be so fabricated that no part of any surface on the finished cabinet shall deviate from a true plane by more than 1/8 inch. Holes shall be provided in the back of indoor surface-mounted cabinets, with outside spacers and inside stiffeners, for mounting the cabinets with a 1/2 inch clear space between the back of the cabinet and the wall surface. Flush doors shall be mounted on hinges that expose only the hinge roll to view when the door is closed. Each door shall be fitted with a combined catch and lock, except that doors over 24 inches long shall be provided with a three-point latch having a knob with a T-handle, and a cylinder lock. Two keys shall be provided with each lock, and all locks shall be keyed alike. Finished-head cap screws shall be provided for mounting the panelboard fronts on the cabinets.

2.9.2 Panelboard Buses

All panelboard buses shall be copper. Support bus bars on bases independent of circuit breakers. Main buses and back pans shall be designed so that breakers may be changed without machining, drilling, or tapping. Provide top or bottom main-lug-only or main breaker as indicated with provisions for connecting the sizes and quantities of incoming cables indicated. Provide isolated neutral bus in each panel for connection of circuit neutral conductors. Provide separate ground bus identified as equipment grounding bus per UL 67 for connecting grounding conductors; bond to steel cabinet.

2.9 3 Circuit Breakers

Provide molded-case circuit breakers that conform to UL 489, and NEMA AB 3.

2.9.4 Molded-Case Circuit Breakers

For circuit breakers on frames size of 250 amperes, provide thermal-magnetic tripping mechanism with fixed inverse-time-delay thermal overload protection and instantaneous magnetic short-circuit protection. Locate the thermal-magnetic tripping mechanism elements in each pole of the breaker.

Size breaker as required for the continuous current rating of the circuit. Provide interrupting capacity indicated. Provide breaker class as required.

Provide sufficient interrupting capacity of the panel and lighting branch circuit breakers, to successfully interrupt the maximum short-circuit current imposed on the circuit at the breaker terminals. Where not indicated, provide circuit breaker interrupting capacities with a minimum of 10,000 amperes and that conform to NEMA AB 3. Series ratings of breakers is not permitted.

Provide the common-trip type multi-pole circuit breakers having a single operating handle and a two-position on/off indication. Provide circuit breakers with temperature compensation for operation in an ambient temperature of 104 degrees F. Provide circuit breakers that have root mean square (rms) symmetrical interrupting ratings sufficient to protect the circuit being supplied. Interrupting ratings may have selective type tripping (time delay, magnetic, thermal, or ground fault).

Provide phenolic composition breaker body capable of having such accessories as handle-extension, handle-locking, and padlocking devices.

Provide circuit breakers used for meter circuit disconnects that meet the applicable requirements of NFPA 70 and that are of the motor-circuit protector type.

2.10 GROUNDING AND BONDING EQUIPMENT

Ground and bond wires for panels and distribution panels, and ground rod connections must be annealed bare copper conforming to ASTM B3, stranded, with 98 percent conductivity. Wire size must be in accordance with the grounding requirements of NFPA 70.

2.11 CONNECTORS AND FASTENERS

Grounding and bonding fasteners above ground must be copper or bronze and conform to the requirements of UL 467.

Bonding straps and jumpers must be copper and size must be in accordance with the grounding requirements of NFPA 70. Minimum size shall be No. 4 unless otherwise indicated.

2.12 MANUFACTURER'S NAMEPLATE

Each item of equipment shall have a nameplate bearing the manufacturer's name, address, model number, and serial number securely affixed in a conspicuous place; the nameplate of the distributing agent will not be acceptable.

2.13 FIELD FABRICATED NAMEPLATES

ASTM D709. Provide laminated plastic nameplates for each equipment enclosure, relay, switch, and device; as specified or as indicated on the drawings. Each nameplate inscription shall identify the function and, when applicable, the position. Nameplates shall be melamine plastic. Match existing building standard letter height, color and finish.

2.14 WARNING SIGNS

Provide warning signs for flash protection in accordance with NFPA 70E and NEMA Z535.4 for switchboards, panelboards, industrial control panels, and motor control centers that are in other than dwelling occupancies and are likely to require examination, adjustment, servicing, or maintenance while energized. Provide field installed signs to warn qualified persons of potential electric arc flash hazards when warning signs are not provided by the manufacturer. The marking shall be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment.

2.15 WIREWAYS

UL 870. Material shall be steel epoxy painted galvanized 16 gauge for heights and depths up to 6 by 6 inches, and 14 gauge for heights and depths up to 12 by 12 inches. Provide in length required for the application with hinged-cover NEMA type enclosure per NEMA ICS 6 as follows:

a. Dry Locations except Mechanical Equipment Rooms - NEMA 1

b. Mechanical Equipment Rooms - NEMA 12.

2.16 FACTORY APPLIED FINISH

New indoor electrical equipment shall have factory-applied painting systems which shall, as a minimum, meet the requirements of NEMA 250 corrosion-resistance test and the additional requirements as specified herein. Interior equipment enclosures shall be thoroughly cleaned and then receive a rust-inhibitive phosphatizing or equivalent treatment prior to painting. Exterior surfaces shall be free from holes, seams, dents, weld marks, loose scale or other imperfections. Interior surfaces shall receive not less than one coat of corrosion-resisting paint in accordance with the manufacturer's standard practice. Exterior surfaces shall be primed, filled where necessary, and given not less than two coats baked enamel with semigloss finish. Equipment located indoors shall be ANSI Light Gray. Provide manufacturer's coatings for touch-up work.

PART 3 EXECUTION

3.1 INSTALLATION

Electrical installations, including weatherproof and hazardous locations and ducts, plenums and other air-handling spaces, shall conform to requirements of NFPA 70 and IEEE C2 and to requirements specified herein.

3.1.1 Labels

Wherever work results in service entrance disconnect devices in more than one enclosure, as permitted by NFPA 70, each enclosure, new and existing, shall be labeled as one of several enclosures containing service entrance disconnect devices. Label, at minimum, shall indicate number of service disconnect devices housed by enclosure and shall indicate total number of enclosures that contain service disconnect devices. Provide laminated plastic labels conforming with existing building standard in color, size and finish.

3.1.2 Wiring Methods

Provide insulated conductors installed in EMT or match existing as indicated on document drawings, except where specifically indicated or specified otherwise or required by NFPA 70 to be installed otherwise. Grounding conductor shall be separate from electrical system neutral conductor. Provide insulated green equipment grounding conductor for circuit(s) installed in conduit and raceways. Shared neutral, or multi-wire branch circuits, are not permitted unless specifically indicated on the drawings. Minimum conduit size shall be 3/4 inch in diameter for low voltage lighting and power circuits except 1/2 inch is allowed on branch circuits with a maximum of three (3) No. 10 AWG conductors installed. Vertical distribution in multiple story buildings shall be made with metal conduit in fire-rated shafts. Metal conduit shall extend through shafts for minimum distance of 6 inches.

3.1.2.1 Pull Wire

Install pull wires in empty conduits. Pull wire shall be plastic having minimum 200-pound force tensile strength. Leave minimum 36 inches of slack at each end of pull wire.

3.1.3 Conduit Installation

Unless indicated otherwise, conceal conduit under floor slabs and within finished walls, ceilings, and floors. Keep conduit minimum 6 inches away from parallel runs of flues and steam or hot water pipes. Install conduit parallel with or at right angles to ceilings, walls, and structural members where located above accessible ceilings and where conduit will be visible after completion of project.

Conduit runs between outlet and outlet, between fitting and fitting, or between outlet and fitting shall not contain more than the equivalent of three 90-degree bends, including those bends located immediately at the outlet or fitting.

Do not install crushed, corroded or deformed conduit. Avoid trapped conduit runs where possible. Take care to prevent the lodgment of foreign material in the conduit, boxes, fittings, and equipment during the course of construction. Clear any clogged conduit of obstructions. Replace clogged conduit that cannot be cleared of obstructions with new.

3.1.3.1 Electrical Metallic Tubing(EMT)

EMT shall be grounded in accordance with NFPA 70, using pressure grounding connectors especially designed for EMT.

3.1.3.2 Flexible Metallic Conduit

Use flexible metallic conduit to connect recessed fixtures from outlet boxes in ceilings, transformers, and other approved assemblies.

Bonding wires shall be used in flexible conduit as specified in NFPA 70, for all circuits. Flexible conduit shall not be considered a ground conductor.

Electrical connections to vibration-isolated equipment shall be made with flexible metallic conduit.

Liquidtight flexible metallic conduit shall be used in wet and oily locations and to complete the connections to motor-driven equipment.

3.1.3.3 Restrictions Applicable to EMT

a. Do not install underground.

b. Do not encase in concrete, mortar, grout, or other cementitious materials.

c. Do not use in areas subject to severe physical damage including but not limited to equipment rooms where moving or replacing equipment could physically damage the EMT.

d. Do not use in hazardous areas.

e. Do not use outdoors, in wet locations, or in damp locations.

f. Do not use in fire pump rooms.

3.1.3.4 Restrictions Applicable to Flexible Conduit

Use only as specified in paragraph FLEXIBLE CONNECTIONS.

3.1.3.5 Conduit Installed Under Floor Slabs

Conduit run under floor slab shall be located a minimum of 12 inches below the vapor barrier. Seal around conduits at penetrations thru vapor barrier.

3.1.3.6 Conduit Through Floor Slabs

Where conduits rise through floor slabs, curved portion of bends shall not be visible above finished slab.

3.1.3.7 Stub-Ups

Provide conduits stubbed up through concrete floor for connection to free-standing equipment with adjustable top or coupling threaded inside for plugs, set flush with finished floor. Extend conductors to equipment in rigid steel conduit, except that flexible metal conduit may be used 6 inches above floor. Where no equipment connections are made, install screwdriver-operated threaded flush plugs in conduit end.

3.1.3.8 Conduit Support

Support conduit by pipe straps, wall brackets, hangers, or ceiling trapeze. Fasten by toggle bolts on hollow masonry units; by concrete inserts or expansion bolts on concrete or brick; and by machine screws, beam clamps, or spring-tension clamps on steel work. Threaded C-clamps may be used on rigid steel conduit only. Do not weld conduits or pipe straps to steel structures. Load applied to fasteners shall not exceed one-fourth proof test load. Fasteners attached to concrete ceiling shall be vibration resistant and shock-resistant. Holes cut to depth of more than 1 1/2 inches in reinforced concrete beams or to depth of more than 3/4 inch in concrete joints shall not cut main reinforcing bars. Fill unused holes. In partitions of light steel construction, use sheet metal screws. Supporting means shall not be shared between electrical raceways and mechanical piping or ducts. Spring-steel fasteners may be used for lighting branch circuit conduit supports in suspended ceilings in dry locations. Support exposed

risers in wire shafts of multistory buildings by U-clamp hangers at each floor level and at 10 foot maximum intervals. Where conduit crosses building expansion joints, provide suitable watertight expansion fitting that maintains conduit electrical continuity by bonding jumpers or other means. For conduits greater than 2 1/2 inches inside diameter, provide supports to resist forces of 0.5 times the equipment weight in any direction and 1.5 times the equipment weight in the downward direction.

3.1.3.9 Directional Changes in Conduit Runs

Make changes in direction of runs with symmetrical bends or cast-metal fittings. Make field-made bends and offsets with hickey or conduit-bending machine. Do not install crushed or deformed conduits.

3.1.3.10 Locknuts and Bushings

Fasten conduits to sheet metal boxes and cabinets with two locknuts where required by NFPA 70, where insulated bushings are used, and where bushings cannot be brought into firm contact with the box; otherwise, use at least minimum single locknut and bushing. Locknuts shall have sharp edges for digging into wall of metal enclosures. Install bushings on ends of conduits, and provide insulating type where required by NFPA 70.

3.1.3.11 Flexible Connections

Provide flexible steel conduit between 3 and 6 feet in length for recessed and semirecessed lighting fixtures; for equipment subject to vibration, noise transmission, or movement; and for motors. Install flexible conduit to allow 20 percent slack. Minimum flexible steel conduit size shall be 1/2 inch diameter. Provide liquidtight flexible conduit in wet and damp locations and in fire pump rooms for equipment subject to vibration, noise transmission, movement or motors. Provide separate ground conductor across flexible connections.

3.1.4 Boxes, Outlets, and Supports

Provide boxes in wiring and raceway systems wherever required for pulling of wires, making connections, and mounting of devices or fixtures. Boxes for metallic raceways shall be cast-metal, hub-type when located in damp or wet locations, when surface mounted on outside of exterior surfaces, when surface mounted on interior walls exposed up to 7 feet above floors and walkways, or when installed in hazardous areas and when specifically indicated. Boxes in other locations shall be sheet steel. Each box shall have volume required by NFPA 70 for number of conductors enclosed in box. Boxes for mounting lighting fixtures shall be minimum 4 inches square, or octagonal, except that smaller boxes may be installed as required by fixture configurations, as approved. Boxes for use in masonry-block or tile walls shall be square-cornered, tile-type, or standard boxes having square-cornered, tile-type covers. Provide gaskets for cast-metal boxes installed in wet locations and boxes installed flush with outside of exterior surfaces. Provide separate boxes for flush or recessed fixtures when required by fixture terminal operating temperature; fixtures shall be readily removable for access to boxes unless ceiling access panels are provided. Support boxes and pendants for surface-mounted fixtures on suspended ceilings independently of ceiling supports. Fasten boxes and supports with bolts and expansion shields on concrete or brick, with toggle bolts on hollow masonry units, and with machine screws or welded studs on steel. In open overhead spaces, cast boxes threaded to raceways need not be separately supported except where used for fixture support; support

sheet metal boxes directly from building structure or by bar hangers. Where bar hangers are used, attach bar to raceways on opposite sides of box, and support raceway with approved-type fastener maximum 24 inches from box. When penetrating reinforced concrete members, do not cut reinforcing steel.

3.1.4.1 Boxes

Boxes for use with raceway systems shall be minimum 1 1/2 inches deep, except where shallower boxes required by structural conditions are approved. Boxes for other than lighting fixture outlets shall be minimum 4 inches square, except that 4 by 2 inch boxes may be used where only one raceway enters outlet. Mount outlet boxes flush in finished walls.

3.1.4.2 Pull Boxes

Construct of at least minimum size required by NFPA 70. Where several feeders pass through common pull box, tag feeders to indicate clearly electrical characteristics, circuit number, and panel designation.

3.1.4.3 Extension Rings

Extension rings are not permitted for new construction.

3.1.5 Mounting Heights

Mount panelboards, enclosed circuit breakers, motor controller and disconnecting switches so height of operating handle at its highest position is maximum 78 inches above floor. Mount lighting switches 48 inches above finished floor. Mount receptacles 18 inches above finished floor, unless otherwise indicated. Mount other devices as indicated. Measure mounting heights of receptacle outlet boxes in the hazardous area to the bottom of the outlet box.

3.1.6 Conductor Identification

Provide conductor identification within each enclosure where tap, splice, or termination is made. For conductors No. 4/0 AWG and smaller diameter, color coding shall be by factory-applied, color-impregnated insulation. For conductors No. 4250 AWG and larger diameter, PVC insulation and black nylon jacket with surface printing.

3.1.6.1 Marking Strips

White or other light-colored plastic marking strips, fastened by screws to each terminal block, shall be provided for wire designations. The wire numbers shall be made with permanent ink. The marking strips shall be reversible to permit marking both sides, or two marking strips shall be furnished with each block. Marking strips shall accommodate the two sets of wire numbers. Each device to which a connection is made shall be assigned a device designation in accordance with NEMA ICS 1 and each device terminal to which a connection is made shall be marked with a distinct terminal marking corresponding to the wire designation used on the Contractor's schematic and connection diagrams. The wire (terminal point) designations used on the Contractor's wiring diagrams and printed on terminal block marking strips may be according to the Contractor's standard practice, however, additional wire and cable designations for identification of remote (external) circuits shall be provided for the Government's wire designations. Prints of the marking strips drawings

submitted for approval will be so marked and returned to the Contractor for addition of the designations to the terminal strips and tracings, along with any rearrangement of points required.

3.1.7 Splices

Make splices in accessible locations. Make splices in conductors No. 10 AWG and smaller diameter with insulated, pressure-type connector. Make splices in conductors No. 8 AWG and larger diameter with indentor crimp-type connectors and compression tools. Joints shall be wrapped with an insulating tape that has an insulation and temperature rating equivalent to conductor insulation.

Except where specifically indicated on the drawings, splices are not permitted between transformer secondary windings and transformer secondary overcurrent protection device.

3.1.8 Covers and Device Plates

Install with edges in continuous contact with with boxes or finished wall surfaces without use of mats or similar devices. Plaster fillings are not permitted. Install plates with alignment tolerance of 1/16 inch. Use of sectional-type device plates are not permitted. Provide gasket for plates installed in wet locations.

3.1.9 Grounding and Bonding

Provide In accordance with NFPA 70, NFPA 780, and as indicated on the drawings. Ground new equipment and systems to the existing grounding system. Ground new exposed, non-current-carrying metallic parts of electrical equipment, metallic raceway systems, grounding conductor in metallic and nonmetallic raceways, telecommunications system grounds, and neutral conductor of wiring systems. Make connection to water pipe by suitable ground clamp or lug connection to plugged tee. If flanged pipes are encountered, make connection with lug bolted to street side of flanged connection. Interconnect all grounding media in or on the structure to provide a common ground potential. This shall include lightning protection, electrical service, telecommunications system grounds, as well as underground metallic piping systems. Where ground fault protection is employed in existing system, ensure that connection of ground and neutral does not interfere with correct operation of fault protection.

3.1.9.1 Grounding and Bonding Connections

Make grounding connections which are otherwise normally inaccessible, excepting specifically those connections for which access for periodic testing is required, by exothermic weld.

a. Make exothermic welds strictly in accordance with the weld manufacturer's written recommendations. Welds which are "puffed up" or which show convex surfaces indicating improper cleaning are not acceptable. Mechanical connectors are not required at exothermic welds.

b. Make compression connections using a hydraulic compression tool to provide the correct circumferential pressure. Tools and dies shall be as recommended by the manufacturer. An embossing die code or other standard method shall provide visible indication that a connector has been adequately compressed on the ground wire.

c. Bond metallic enclosures, raceway systems, and all electrical equipment to equipment and earth grounds. Install all metallic conduit, raceway, and enclosure systems to function as an equipment ground system supplemental to equipment grounding conductors. Install bonding jumpers across all expansion fittings or joints.

d. Conduits entering boxes and enclosures must be bonded to the box with locknuts and grounding-type bushings connected to the equipment and earth ground systems. Provide adequate bushing ground lug size to accept bonding conductors sized in accordance with NFPA 70.

e. Flexible and PVC conduit must have an integral copper grounding conductor. PVC grounding conductor shall be bare.

3.1.9.2 Resistance

Maximum resistance-to-ground of grounding system shall not exceed 5 ohms under dry conditions. Where resistance obtained exceeds 5 ohms, contact Contracting Officer for further instructions.

3.1.10 Equipment Connections

Provide power wiring for the connection of motors and control equipment under this section of the specification. Except as otherwise specifically noted or specified, automatic control wiring, control devices, and protective devices within the control circuitry are not included in this section of the specifications but shall be provided under the section specifying the associated equipment.

3.2 FIELD FABRICATED NAMEPLATE MOUNTING

Provide number, location, and letter designation of nameplates as indicated. Fasten nameplates to the device with a minimum of two sheet-metal screws or two rivets.

3.3 WARNING SIGN MOUNTING

Provide the number of signs required to be readable from each accessible side. Space the signs in accordance with NFPA 70E.

3.4 FIELD APPLIED PAINTING

Paint electrical equipment as required to match finish of adjacent surfaces or to meet the indicated or specified safety criteria. Where field painting of enclosures for panelboards, or the like is specified to match adjacent surfaces, to correct damage to the manufacturer's factory applied coatings, or to meet the indicated or specified safety criteria, provide manufacturer's recommended coatings and apply in accordance to manufacturer's instructions.

3.5 FIELD QUALITY CONTROL

3.5.1 Grounding System Test

Furnish test equipment and personnel and submit written copies of test results. Give Contracting Officer 14 calendar working days' notice prior to each test.

Perform all applicable inspections and electrical tests, including optional

tests unless indicated otherwise, in accordance with NETA ATS for all equipment provided including but not limited to:

1. Circuit Breakers, Molded-Case - Do not perform current injection trip tests.

2. Grounding Systems

3. Panelboards

3.5.2 Conductors

After completion of the installation and splicing, and prior to energizing the conductors, perform wire and cable continuity and insulation tests as herein specified before the conductors are energized.

Isolate completely all wire and cable from all extraneous electrical connections at cable terminations and joints including neutral to ground connections. Disconnects in combination motor starters, circuit breakers in panelboards, and other disconnecting devices shall be used to isolate the circuits under test.

Perform Insulation-Resistance Test on each field-installed conductor with respect to ground and adjacent conductors. Applied potential shall be 500 volts dc for 300 volt rated cable and 1000 volts dc for 600 volt rated cable. Take readings after 1 minute and until the reading is constant for 15 seconds. Minimum insulation-resistance values shall not be less than 25 Megohms for 300 volt rated cable and 100 Megohms for 600 volt rated cable. For circuits with conductor sizes 8 AWG and smaller insulation resistance testing is not required.

Perform Continuity Test to insure correct cable connection (i.e., correct phase conductor, grounded conductor, and grounding conductor wiring) end-to-end. Any deficiency in the continuity test of the entire system from the separately derived source to the load from the existing or new equipment shall be corrected and re-verified at the Contractor's expense. All repairs shall be approved by the Contracting Officer prior to acceptance of the repair.

3.5.3 Panelboards

Panelboards shall be given continuity and insulation tests after the installation has been completed and before the panelboard is energized.

Conduct insulation tests on 480-volt panelboards using a 1,000-volt insulation-resistance test set. Record readings every minute until three equal and consecutive readings have been obtained. Resistance between phase conductors and between phase conductors and ground shall be not less than 50 megohms.

Conduct insulation tests on panelboards rated 300 volts or less using a 500-volt minimum insulation-resistance test set. Record readings after 1 minute and until the reading is constant for 15 seconds. Resistance between phase conductors and between phase conductors and ground shall be not less than 25 megohms.

Record test data and include the location and identification of panelboards and megohm readings versus time.

Conduct Phase-Rotation Tests on all three-phase circuits using a phase-rotation indicating instrument. Perform phase rotation of electrical connections to connected equipment clockwise, facing the source.

Final acceptance will depend upon the successful performance of wire and cable under test. Do not energize any conductor until the final test reports are reviewed and approved by the Contracting Officer.

3.5.4 Grounding System Test

Test grounding system to ensure continuity, and that resistance to ground is not excessive. Test each ground rod for resistance to ground before making connections to rod; tie grounding system together and test for resistance to ground. Make resistance measurements in dry weather, not earlier than 48 hours after rainfall. Submit written results of each test to Contracting Officer, and indicate location of rods as well as resistance and soil conditions at time measurements were made.

Perform the following tests in the presence of the Contracting Officer.

3.5.5 Bond Resistance Test

Test any bond made inaccessible by other construction or work prior to being made inaccessible. Resistance of any bond connection must not exceed 0.5 milliohm. Rework bonds that exceed this resistance at no additional cost to the Government.

-- End of Section --

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INTERIOR LIGHTING

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

CALIFORNIA ENERGY COMMISSION (CEC)

CEC Title 24	(1978; R 2005) California's Energy Efficiency Standards for Residential and Nonresidential Buildings

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)

IES HB-10	(2011) IES Lighting Handbook

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE C2	(2012; Errata 2012; INT 1 2012; INT 2 2012) National Electrical Safety Code
IEEE C62.41.1	(2002; R 2008) Guide on the Surges Environment in Low-Voltage (1000 V and Less) AC Power Circuits
IEEE C62.41.2	(2002) Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and Less) AC Power Circuits
IEEE Stds Dictionary	(2009) IEEE Standards Dictionary: Glossary of Terms & Definitions

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

ANSI C82.11	(2002) American National Standard for High-Frequency Fluorescent Lamp Ballasts--Supplements
ANSI/IEC C78.81	(2010) American National Standard for Electric Lamps--Double-Capped Fluorescent Lamps--Dimensional and Electrical Characteristics
ANSI/IEC C78.901	(2005) American National Standard for Electric Lamps - Single Base Fluorescent Lamps--Dimensional and Electrical Characteristics
NEMA 250	(2008) Enclosures for Electrical Equipment (1000 Volts Maximum)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	(2011; Errata 2 2012) National Electrical Code

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

Energy Star	(1992; R 2006) Energy Star Energy Efficiency Labeling System

UNDERWRITERS LABORATORIES (UL)

UL 1598	(2008; Reprint Jan 2010) Luminaires
UL 935	(2001; Reprint Nov 2011) Standard for Fluorescent-Lamp Ballasts

1.2 RELATED REQUIREMENTS

Materials not considered to be lighting equipment or lighting fixture accessories are specified in Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM. Lighting fixtures and accessories mounted on exterior surfaces of buildings are specified in this section.

1.3 DEFINITIONS

a. Unless otherwise specified or indicated, electrical and electronics terms used in these specifications, and on the drawings, are as defined in IEEE Stds Dictionary.

b. Average life is the time after which 50 percent has failed and 50 percent has survived under normal conditions.

c. Total harmonic distortion (THD) is the root mean square (RMS) of all the harmonic components divided by the total fundamental current.

1.4 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only or as otherwise designated. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

Employ the terminology, classifications, and methods prescribed by the IES HB-10, as applicable, for the lighting system specified in data, drawings, and reports.

SD-02 Shop Drawings

Submit Installation Drawings for the incandescent lighting fixtures in accordance with the paragraph entitled, "Installation," of this section.

SD-03 Product Data

Fluorescent lighting fixtures; G

Fluorescent electronic ballasts; G

Fluorescent lamps; G

Local/Regional Materials
Documentation indicating distance between manufacturing facility and the project site. Indicate distance of raw material origin from the project site. Indicate relative dollar value of local/regional materials to total dollar value of products included in project.

Energy Efficiency

SD-06 Test Reports

Operating test

Submit test results as stated in paragraph entitled "Field Quality Control."

SD-10 Operation and Maintenance Data

Lighting Control System, Data Package 5

Submit operation and maintenance data as specified herein, showing all light fixtures, control modules, control zones, occupancy sensors, power packs, schematic diagrams and all interconnecting control wire, conduit, and associated hardware.

Operational Service

Submit documentation that includes contact information, summary of procedures, and the limitations and conditions applicable to the project. Indicate manufacturer's commitment to reclaim materials for recycling and/or reuse.

1.5 QUALITY ASSURANCE

1.5.1 Fluorescent Electronic Ballasts

Submit ballast catalog data as required in the paragraph entitled "Fluorescent Lamp Electronic Ballasts" contained herein. As an option, submit the fluorescent fixture manufacturer's electronic ballast specification information in lieu of the actual ballast manufacturer's catalog data. Include published specifications and sketches, which cover the information required by the paragraph entitled "Fluorescent Lamp Electronic Ballasts" herein. This information may be supplemented by catalog data if required, containing a list of vendors with vendor part numbers.

1.5.2 Lighting Fixtures, Complete With Lamps and Ballasts

Submit one sample of each fixture type as requested by the Contracting Officer for inspection, review, and approval. Retain the sample for comparison against the remainder of the fixtures. The sample may be used in the final fixture installation.

1.5.3 Regulatory Requirements

In each of the publications referred to herein, consider the advisory provisions to be mandatory for "should" wherever it appears. Interpret references in these publications to the "authority having jurisdiction," or words of similar meaning, to mean the Contracting Officer Provide equipment, materials, installation, and workmanship in accordance with the mandatory and advisory provisions of NFPA 70 unless more stringent requirements are specified or indicated.

1.5.4 Standard Products

Provide materials and equipment that are products of manufacturers regularly engaged in the production of such products which are of equal material, design and workmanship,which have been in satisfactory commercial or industrial use for 2 years prior to bid opening. The 2-year period includes applications of equipment and materials under similar circumstances and of similar size, on sale on the commercial market through advertisements, manufacturers' catalogs, or brochures during the 2-year period. Where two or more items of the same class of equipment are required, provide products of a single manufacturer; however, the component parts of the item need not be the products of the same manufacturer unless stated in this section.

1.5 4.1 Alternative Qualifications

Products having less than a 2-year field service record are acceptable if a certified record of satisfactory field operation for not less than 6000 hours, exclusive of the manufacturers' factory or laboratory tests, is furnished.

1.5.4.2 Material and Equipment Manufacturing Date

Do not use products manufactured more than 3 years prior to date of delivery to site, unless specified otherwise.

1.5.4.3 Energy Efficiency

Comply with National Energy Policy Act and Energy Star requirements for lighting products. Submit data indicating lumens per watt efficiency and color rendition index of light source.

1.6 WARRANTY

Support the equipment items with service organizations which are reasonably convenient to the equipment installation in order to render satisfactory service to the equipment on a regular and emergency basis during the warranty period of the contract.

1.6.1 Electronic Ballast Warranty

Furnish the electronic ballast manufacturer's warranty, for not less than 5 years from the date of manufacture of the electronic ballast. Ballast assembly in the lighting fixture, transportation, and on-site storage is not to exceed 12 months, thereby permitting 4 years of the ballast 5 year warranty to be in service and energized. State in the warranty that the manufacturer agrees to exchange a malfunctioning ballast and promptly ship the replacement to the using Government facility,said replacement ballast being identical to, or an improvement upon, the original design of the

malfunctioning ballast.

1.7 OPERATIONAL SERVICE

Coordinate with manufacturer for services which reclaim materials for recycling and/or reuse. Collect information from the manufacturer about options, and submit to Contracting Officer. Placement into landfills or burning of reclaimed materials is not allowed. Indicate procedures for compliance with regulations governing disposal of mercury. When such a service is not available, seek out local recyclers to reclaim the materials.

1.8 SUSTAINABLE DESIGN REQUIREMENTS

1.8.1 Local/Regional Materials

Use materials or products extracted, harvested, or recovered, as well as manufactured, within a 500 mile radius from the project site, if available from a minimum of three sources.

PART 2 PRODUCTS

2.1 PRODUCT STANDARDS

Furnish lighting fixtures completely assembled with wiring and mounting devices and ready for installation at the locations noted. Design and equip recessed fixtures in suspended ceilings for installation in the type of ceiling in which the fixture is to be installed. Design fixtures to be supported independent of the ceiling. Equip fixtures with the lamps required.

2.2 FLUORESCENT LIGHTING FIXTURES

Provide fluorescent fixtures, conforming toUL 1598with electronic ballasts .

2.2.1 Fluorescent Lamp Electronic Ballasts

Provide electronic ballasts, meeting as a minimum, the following characteristics:

a. Provide ballasts complying with UL 935, ANSI C82.11, NFPA 70, and CEC Title 24 unless specified otherwise. Provide 100 percent electronic high frequency type ballasts with no magnetic core and coil components, which provide transient immunity as recommended by IEEE C62.41.1 and IEEE C62.41.2. Design ballast for the wattage of the lamps used in the indicated application. Design ballasts to operate on the voltage system to which they are connected.

b. A power factor of 0.95 (minimum).

c. Operates at a frequency of 20,000 Hertz (minimum), and is compatible with and not cause interference with the operation of occupancy sensors or other infrared control systems. Provide ballasts operating at or above 40,000 Hertz where available.

d. Light regulation of plus or minus 10 percent lumen output with a plus or minus 10 percent input voltage regulation. Ensure ballasts have 10 percent flicker (maximum) using any compatible lamp.

e. A ballast factor between 0.85 (minimum) and 1.00 (maximum). Current

crest factor - 1.7 (maximum).

f. UL listed Class P with a sound rating of "A."

g. Include circuit diagrams and lamp connections displayed on the ballast.

h. Provide programmed start ballast unless otherwise indicated. Programmed start ballasts may operate lamps in a series circuit configuration. Provide series/parallel wiring for programmed start ballasts where available.

j. Provide ballasts for T-5 and smaller lamps with end-of-life protection circuits as required by ANSI/IEC C78.81 and ANSI/IEC C78.901 as applicable.

k. Provide ballasts capable of starting and maintaining operation at a minimum of 0 degrees F unless otherwise indicated.

l. Provide electronic ballasts with a full replacement warranty of 5 years from date of manufacture as specified in paragraph entitled "Electronic Ballast Warranty" herein.

2.2.1.1 T-5 Lamp Ballast

a. Total harmonic distortion (THD): 10 percent (maximum).

b. Input wattage as indicated on Luminaire Schedule located on drawings.

2.2.2 T-5 Lamp Ballast

Maximum input wattage shall be as indicated on Luminiare schedule under column indicating "Input Watts."

2.2.3 Fluorescent Lamps

a. Provide T-8 rapid start low mercury lamps rated 32 watts (maximum), 2800 initial lumens (minimum), CRI of 75 (minimum), color temperature of 4100 K, with an average rated life of 20,000 hours.

Average rated life is based on 3 hours operating per start.

2.3 SUSPENDED FIXTURES

Provide hangers capable of supporting twice the combined weight of fixtures supported by hangers. Provide with swivel hangers to ensure a plumb installation, cadmium-plated steel with a swivel-ball tapped for the conduit size indicated. Provide hangers which allow fixtures to swing within an angle of 45 degrees. Brace pendants 4 feet or longer to limit swinging. Provide single-unit suspended fluorescent fixtures with twin-stem hangers. Provide multiple-unit or continuous row fluorescent fixtures with tubing or stem for wiring at one point and a tubing or rod suspension provided for each unit length of chassis, including one at each end. Provide rods with a minimum 0.18 inch diameter.

2.4 EQUIPMENT IDENTIFICATION

2.4.1 Manufacturer's Nameplate

Provide each item of equipment with a nameplate bearing the manufacturer's

name, address, model number, and serial number securely affixed in a conspicuous place; the nameplate of the distributing agent will not be acceptable.

2.4.2 Labels

Provide labeled luminaires in accordance with UL 1598 requirements. Clearly mark all for operation of specific lamps and ballasts according to proper lamp type. Note the following lamp characteristics in the format "Use Only 32 Watt Maximum":

a. Lamp diameter code (T-4, T-5, T-8, T-12), tube configuration (twin, quad, triple), base type, and nominal wattage for fluorescent and compact fluorescent luminaires.

b. Start type (preheat, rapid start, instant start) for fluorescent and compact fluorescent luminaires.

c. Correlated color temperature (CCT) and color rendering index (CRI) for all luminaires.

Provide all markings related to lamp type clear and located to be readily visible to service personnel, but unseen from normal viewing angles when lamps are in place. Provide ballasts with clear markings indicating multi-level outputs and indicate proper terminals for the various outputs.

2.5 FACTORY APPLIED FINISH

Provide electrical equipment with factory-applied painting systems which , as a minimum, meet the requirements of NEMA 250 corrosion-resistance test.

2.6 SURFACE-MOUNTED FIXTURES

Design the surface-mounted fixtures to be fastened to wall or ceiling flush-mounted outlet boxes. Do not subject combustible ceiling materials to temperatures in excess of 195 degrees F.

2.7 PENDANT-MOUNTED FIXTURES

Equip pendant-mounted fixtures with stems, swivel ball-and-socket self-aligning hangers that allow a minimum of a 20 -degree angle swing, ceiling canopies, and fixture-hanging devices, made of seamless brass, aluminum, steel, corrosion-resistant steel tubing, or steel conduit not less than 1/2 inch in diameter. Stem length, material, and finish are as noted.

PART 3 EXECUTION

3.1 INSTALLATION

Ensure all electrical installations conform to IEEE C2, NFPA 70, and to the requirements specified herein.

3.1.1 Lamps

Deliver lamps of the type, wattage, and voltage rating indicated to the project in the original cartons and installed just prior to project completion. Replace lamps installed and used for working light during construction prior to turnover to the Government if more than 15 percent of

their rated life has been used. Test the lamps for proper operation prior to turn-over and replace if necessary with new lamps from the original manufacturer. Provide 10 percent spare lamps of each type from the original manufacturer.

3.1.2 Lighting Fixtures

Set lighting fixtures plumb, square, and level with walls, in alignment with adjacent lighting fixtures, and secure in accordance with manufacturers' directions and approved drawings, in conformance with the requirements of NFPA 70. Mounting heights specified or indicated are to the center of fixture for wall-mounted fixtures. Obtain approval of the exact mounting for lighting fixtures on the job before commencing installation and, where applicable.

3.2 FIELD APPLIED PAINTING

Paint electrical equipment as required to match finish of adjacent surfaces or to meet the indicated or specified safety criteria.

3.3 FIELD QUALITY CONTROL

Upon completion of installation, verify that equipment is properly installed, connected, and adjusted. Conduct an operating test to show that equipment operates in accordance with requirements of this section.

3.4 FIELD TESTING

Demonstrate that all lighting fixtures and their accessories, operate satisfactorily in the presence of the Contracting Officer.

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SECTION 28 31 00.00 98

FIRE DETECTION AND ALARM

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI S1.4a	(R2006) American National Standard Specification for Sound Level Meters
ANSI S3.41	(1990, R2008) American National Standard Audible Emergency Evacuation Signal

FM GLOBAL (FM)

FM APP GUIDE	(updated on-line) Approval Guide http://www.approvalguide.com/

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 101	(2012; Amendment 1 2012) Life Safety Code
NFPA 70	(2011; Errata 2 2012) National Electrical Code
NFPA 72	(2010; TIA 10-4) National Fire Alarm and Signaling Code
NFPA 75	(2009; TIA 12-1) Standard for the Protection of Information Technology Equipment
NFPA 90A	(2012) Standard for the Installation of Air Conditioning and Ventilating Systems

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

NICET 1016-2	(2007) Program Detail Manual Fire Alarm Systems, 8th Edition

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FED-STD-595	(Rev C; Notice 1) Colors Used in Government Procurement

UNDERWRITERS LABORATORIES (UL)

UL 1480	(2003; Reprint Jun 2010) Standard for

	Speakers for Fire Alarm, Emergency, and Commercial and Professional Use
UL 1971	(2002; Reprint Oct 2008) Signaling Devices for the Hearing Impaired
UL 346	(2005; Reprint Nov 2009) Waterflow Indicators for Fire Protective Signaling Systems
UL 1711	(2006) UL Standard for Amplifiers for Fire Protective Signaling Systems, 4th Edition
UL 2196	(2008) UL Standard for Tests for Fire Resistive Cables, 1st Edition
UL Fire Prot Dir	(2012) Fire Protection Equipment Directory

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Submit Evidence of the Contractor's State Certification; G to the Contracting Officer for approval, prior to any work being started on the Fire Alarm System, in accordance with paragraph entitled "Services of a Certified Fire Alarm Specialist".

SD-02 Shop Drawings

Submit the following in accordance with the paragraph entitled, "General Requirements," of this section:

Connection Drawings; G

Module Schematic Drawings; G

Fire Service Floor Plans; G

Record Drawings; G (As-Built Drawings of all levels in project scope after completion of the final acceptance test for the building)

SD-03 Product Data

Where multiple types of the same item are required (Example: indoor, weatherproof, and explosion-proof types) provide separate Catalog Data for each type of device. Submit Manufacturer's Catalog Data for the following items:

Fire Alarm Control Panel; G

Addressable Modules/Devices; G

Manual Alarm Stations, G

Strobe Units; G

Speakers; G

Water Flow Alarm Devices; G

Valve Tamper Switches; G

Remote Auxiliary Control Relays; G

Power Source; G

Wiring (Wire and Multi-Conductor Cable); G

SD-05 Design Data

Design Analysis and Battery Calculations; G

Submit list of parts and components; G for the installed system by manufacturer's name, part number, and nomenclature, and recommended stock level required for normal maintenance and unscheduled repairs.

SD-06 Test Reports

Fire Alarm System Acceptance Test Procedures; G (For Both Preliminary and Final Tests for the building)

SD-07 Certificates

Submit Quality Assurance Plan; G consisting of the following in accordance with the paragraph entitled, "Quality Assurance Plan," of this section:

Submit listing and/or approval documentation; G that all components are Underwriter Laboratory (UL) UL Fire Prot Dir listed or Factory Mutual (FM) FM APP GUIDE approved for their intended use and function.

Submit Contractor Readiness Affirmation - For Preliminary Fire Alarm Testing; G in accordance with the paragraph entitled, "Field Testing" of this section.

Submit KSC - Transfer of Responsibility; G for the designated portion of the Fire Alarm System; in accordance with the paragraph entitled, "Installation," of this section.

Submit NFPA 72 Fire Alarm System Record of Completion; G in accordance with paragraph entitled, "Field Testing" of this section.

1.3 GENERAL REQUIREMENTS

Section 26 00 00.00 20 BASIC ELECTRICAL MATERIALS AND METHODS apply to work specified in this section.

Submit submittals for approval in the following sequence with each approved prior to the next submittal:

a. Sign and submit the KSC Transfer of Responsibility form no later than 30 days after notice to proceed.

b. Submit Product Data (Catalog Data), Contractor's Certifications, and Quality Assurance Plan, within 30 days after notice to proceed.

c. Submit Connection Drawings, Module Schematic Drawings, Design Analysis and Battery Calculations within 30 days after notice to proceed.

d. Submit revised Fire Alarm Control Panel (FACP) and Network Software Program information no later than 60 days prior to the scheduled preliminary test. Provide two completed sets minimum of the Record Drawings and documentation and make available for reference at the preliminary test.

e. Submit Acceptance Test Procedures no later than 60 days prior to the scheduled preliminary test.

f. Sign and submit the Readiness Affirmation form no later than 5 days prior to the scheduled preliminary test.

g. Submit Record Shop Drawings and Battery Calculations for approval no later than 30 days prior to the scheduled final acceptance test. Provide two completed sets minimum of the Record drawings (As-built condition) and documentation and the NFPA 72 Fire Alarm System Record of Completion Form and make available for reference at the final test. Include submittal of listing and/or approval documentation

h. Include in the Record drawing submittal all Shop Drawings, Battery Calculations, Completed Final Test Procedures, NFPA 72 Fire Alarm System Record of Completion Form and submit within 14 days after completion of the final acceptance test. Include in this submittal two (2) sets of CD ROM digital media of all the record drawings, Design Analysis and Battery Calculations.

Prepare and submit all drawings generated by computer aided design (CAD). Include in digital media compact disc (CD) submittals .DWG or .DXF format files for all drawings: Connection Diagrams, Module Schematics, Battery Calculations, Floor plans and Fire Service Floor Plans. Also on this CD provide a complete copy of the aforementioned drawings in PDF format.

Provide Connection drawings consisting of point-to-point wiring diagrams of internal and external wiring including, but not limited to, all fire alarm field devices, panel wiring, and interconnection between other building systems and components and the fire alarm system. Indicate wire label designations matching the field installation on these drawings.

Include in Connection drawings Floor Plan Drawings that indicate equipment locations, device locations with address designation, and conduit/wiring routing from the FACP(s) to all field devices including looped Class A circuit routing requirements. Also include typical mounting requirements for each type of initiation, signaling, notification and control device. Show on Record drawings (as-built) for installations with flame detectors horizontal and vertical field of views for each detector and aiming point of detector with clear dimensions from fixed and readily identifiable structural references. Include riser diagram and sequence of operations in an input/output matrix format that clearly shows interaction of system components.

Provide Module schematic drawings minimum size 8-1/2 by 11 inch prior to system acceptance testing.

Include in Record Drawings connection drawings, floor plan drawings, module schematics, software programs, fire service floor plans, design and battery calculations, and all other data required to fully document the completed system. After final testing is complete, submit Record Drawings including digital media and hard copies of all new and revised software, drawings, and analysis/calculations incorporating approved comments and any changes. Document final system configuration in Record Drawings including, but not limited to, geographic monitor zone boundaries, location of the FACP, all initiating and auxiliary control devices, signaling line devices, notification appliances, additional cabinets, wet and dry pipe sprinkler risers, dry pipe control panel, smoke and fire dampers, magnetic door holders, and all other equipment associated with the fire alarm system(s). Also, annotate the location and address setting for each multiplexed addressable device (when used), deviations from and amendments to the record drawings, and field installation changes, concealed and visible.

Provide software programs, both hard copy and compact disc, for all new and/or existing programmable FACP(s) affected by the project. Provide system executable file and report file on the compact disc. Program information for FACP including program listings, system point summary, and addressable device switch settings. Include in corrected program information panel and network programs and sequence of operations in matrix format that clearly shows interaction of system components.

Conduct tests in accordance with approved Fire Alarm System Acceptance Test Procedures, and in accordance with the paragraph entitled "Field Testing" in this specification. Prepare a test procedure and test record form for conducting complete tests on control panels, reporting systems, wiring systems, and field devices installed in accordance with the manufacturer's requirements and these specifications. Identify each device and circuit to be tested in the test procedure, describe the initial condition, each step or function in the test, required test result, and equipment to be employed. Test procedures are to be written to minimally disrupt facility operations (minimize activation of evacuation notification appliances, AHU shutdown, etc.) in support of testing requirements. Ensure test forms have suitable space for recording test results on all equipment, devices, and wiring to be tested. Provide test record forms with identified spaces for verification signatures of official witnesses and dates of the test.

Clearly indicate on Fire Service Floor Plans the location of the FACP, all initiating and auxiliary control devices, signaling line devices, notification appliances, additional cabinets, detection systems, wet and dry pipe sprinkler risers, dry pipe control panel, smoke and fire dampers, magnetic door holders and all other equipment associated with the fire alarm system(s). Also, annotate the location and address setting for each multiplexed addressable device (when used). Do not place borders or title blocks on the Fire Service Floor Plan. Provide a symbol legend, which clearly identifies each device shown on the Fire Service Floor Plan. Install a copy of the Fire Service Floor Plan, minimum size18 by 24 inch in a painted metal frame with a Plexiglas cover. Submit the floor plan and it's location for approval, to the Contracting Officer, prior to installation.

Submit Design Analysis and Battery Calculations for approval for the Fire Alarm and Detection Systems consisting of the battery capacity and loading

calculations in accordance with the paragraphs entitled, "Fire Alarm Control Panel," and "Flame Detectors," of this section.

Submit list of parts and components in accordance with the paragraph entitled "System Requirements," of this section.

1.4 SYSTEM REQUIREMENTS

Provide connection to the existing system via the fully addressable, modular type, microprocessor based, supervised, non-coded electrical fire alarm system with NFPA 72 Class A initiating device circuits,notification appliance circuits, and auxiliary control circuits. Provide NFPA 72 Class A signaling line circuits, Style 6, and Central Fire Monitoring System (CFMS) network reporting circuits, Style 7. Ensure all styles of Class A initiating device, signaling line, network, notification appliance, and control circuits use diverse routing in accordance with NFPA 72. Do not run the outgoing and return redundant circuit conductors in the same cable assembly, enclosure or raceway.

Electrically connect the fire alarm system to report alarm, trouble, and supervisory signals to the CFMS; to sound the general alarm continuously; and to control auxiliary equipment such as dampers, air handling units, magnetic door latches, elevator recall, etc., upon operation of one or more initiating devices. For initiating, notification, signal, and auxiliary control circuits, use 24 V(DC). Ensure duct smoke detectors transmit to the CFMS as a silent alarm unless otherwise directed by the Authority Having Jurisdiction (AHJ).

Ensure the system conforms to all the applicable requirements of NFPA 70, NFPA 72, NFPA 75, NFPA 90A, and NFPA 101.

Ensure fire alarm systems contain all of the equipment, devices, programming and circuits required for system operation in accordance with NFPA Codes and KSC requirements, including remote reporting to and remote control from existing equipment.

Provide all additional equipment, cabinets, conduit, and labor to meet the requirements and intent of this specification.

Components installed under this contract can not be more than one (1) year older than the date of installation.

1.5 QUALITY ASSURANCE PLAN

Provide manufactured fire-alarm equipment which meets the requirements of the paragraph entitled, "System Requirements," of the latest standard design, and listed by Underwriters' Laboratories or approved by Factory Mutual and be suitable for it's intended service. Ensure all devices installed function with the control panel without interference of the operation of the control panel.

1.6 SERVICES OF A CERTIFIED FIRE ALARM SPECIALIST

Provide Services of a Certified Specialist thoroughly experienced in fire detection and alarm work on site, to perform or directly supervise the installation, make all necessary adjustments, and perform all tests on the fire alarm system at the site.

A Fire Alarm specialist is considered certified when the specialist holds a

valid Fire Alarm System, Level III Certification from the National Institute for Certification in Engineering Technologies NICET 1016-2; or a valid Level III Fire Alarm Engineering Technician Certification from the International Municipal Signal Association (IMSA); or is licensed by the State of Florida as a Fire Alarm Contractor I in accordance with Florida State Statute, Chapter 489, Part II.

Certification of other recognized agencies with equivalent requirements will be considered. Provide Evidence of the Contractor's State Certification and the basis of certification to the Contracting Officer and secure Contracting Officer approval prior to any work being performed at Kennedy Space Center.

PART 2 PRODUCTS

2.1 FIRE ALARM CONTROL PANEL

Existing Fire Alarm Control Panel to be utilized.

2.2 ADDRESSABLE MODULES/DEVICES

Utilize all spare modules from deconstruction for any new module connections required. Ensure existing modules are working properly and not damaged in any way and all UL, NFPA, ext. codes are in compliance.

Provide communication circuit wiring connections suitable for supervised Class A, Style 6 operation. Derive module power from the communication circuit or 24 V(DC) power supply supervised by the FACP. Ensure invalid address setting, component failure, or power failure initiates a trouble signal at the FACP.

2.3 MANUAL ALARM STATIONS

Utilize existing Manual Alarm Stations as indicated on drawings.

Ensure all existing wiring terminals are suitable for Class A wiring and capable of accepting No. 18 through No. 14 AWG diameter solid copper conductors. Make manual alarm stations individually addressable by connection to addressable modules, provided in accordance with the paragraph entitled, "Addressable Modules/Devices," of this section.

Verify existing manual alarm station door has a protected, pull-down operating lever with recessed finger grip. When operated, ensure the station mechanically latches, breaks a glass or plastic rod, closes one or more sets of contacts, and locks the contacts in the operated position until reset. Stations with a pushbutton which depends upon a spring-loaded device to close the contacts when the handle is pulled are not acceptable, nor are stations which are resettable without the use of a key or tool.

Touch-up paint all exposed metal surfaces of existing enclosing cases with a prime coat and one or more finish coats of red enamel to produce a smooth, hard, durable finish if required and if paint damage has occurred during construction at devices that are to remain. Ensure identification and directions for operating fire-alarm stations on the cover are raised or depressed white-enameled letters and readable.

Ensure existing surface-mounted stations with matching cast-iron or cast-aluminum back boxes with top and bottom threaded-conduit connections are secure and installation has not been damaged from construction.

2.4 STROBE UNITS

Ensure existing strobe units are working properly in accordance with UL 1971

Ensure strobes remain flashing until the FACP is reset. Ensure existing and new visual notification appliance circuits have sufficient capacity to operate all devices connected, plus 25 percent minimum spare capacity per circuit.

2.5 SPEAKERS

Ensure existing speakers are working properly and in accordance with UL 1480 and UL 1711.

2.6 WATER FLOW ALARM DEVICES

Ensure all existing to remain water flow alarm devices are working properly in accordance with UL 346.

2.7 VALVE TAMPER SWITCHES

Ensure all existing supervisory initiating valve tamper switches are working properly in accordance with UL 346, conforming to UL or FM requirements of use on the specified valve.

2.8 REMOTE AUXILIARY CONTROL RELAYS

Ensure all existing remote control relays are working properly and maintained in accordance with NFPA 101.

2.9 POWER SOURCE

Ensure existing normal power to the local systems is maintained thru construction and working properly.

When power is supplied from a single 20 amp circuit breaker, provide an adjustable set screw type clamping device over the circuit breaker handle to prevent handle operation. Paint only the locking device red.

2.10 WIRING

Provide copper conductor wiring as required to existing devices in accordance with NFPA 70 and NFPA 72. Connect all devices to Class A, parallel-wired circuits, per NFPA 72, with the wire types specified in this section, unless specifically noted otherwise in the paragraph entitled, "Wiring (Wire and MultiConductor Cable). For 120 V(AC) circuits, use No. 12 AWG minimum.

Where modifications are made to existing systems, match the new or added conductors to the size and color-coding of the existing system. Conductor AWG diameter and Insulation Type are listed below. Required wire colors are listed in the paragraph entitled, "Wiring (Wire and Multi-Conductor Cable)," of this section.

Provide solid copper, shielded, twisted pairs, meeting UL 2196 requirements, for conductors in multiplexed communication circuits, signaling line circuits, speaker audio circuits, remote phone circuits, and remote reporting circuits. Ensure cable is listed as Type FPL,

Power-Limited Fire Protective Signaling Cable, with conductor size less than No. 16 AWG diameter for data circuits and No. 14 AWG diameter for audio circuits.

Provide direct current initiating device (manual pull station) circuit conductor size of not less than No. 16 AWG diameter, with insulation Type TFN for No. 16 AWG diameter, and Type THHN/THWN for No. 14 AWG diameter and larger.

Provide direct current notification appliance circuit (strobes, bells) conductor size of not less than No. 14 AWG diameter, with insulation Type THHN/THWN for No. 14 AWG diameter and larger.

Provide solenoid valve control circuit conductor size of not less than No. 14 AWG diameter, with insulation type THHN/THWN for No. 14 AWGdiameter and larger.

PART 3 EXECUTION

3.1 SYSTEM SEQUENCE OF OPERATION

3.1.1 Normal Operation

Ensure all switches are in the normal position; available power lamp is on, the trouble and detector identification lamps are off, and all circuits are electrically supervised.

3.1.2 Supervisory Condition

Ensure that an existing supervisory signal transmitted to the Central Fire Monitoring System, device indication is maintained, the supervisory signal is activated in the FACP, and input is provided to remote annunciators (when used). Ensure supervisory signal in the alarm control unit (visual and audible indications) are maintained and is self-restoring.

3.1.3 Trouble Condition

Ensure that a trouble signal transmitted to the remote reporting device of the Central Fire Monitoring System, providing zone indication, activating a trouble signal in the FACP, and providing input to remote annunciators (when used) is maintained. Ensure trouble signal at the alarm-control unit (visual and audible indications) is maintained.

3.1.4 Alarm Condition

Ensure activation of any existing detectors, manual alarm stations, water flow switches, or other initiating devices are maintained. Refer to Fire Alarm System Acceptance Test Procedures of this section.

3.2 INSTALLATION

Prior to performing any installation or modification work to existing Fire Alarm system(s), secure a Transfer of Responsibility Form completed by the COTR and signed by the Contractor and Institutional Services Contractor (ISC) Fire Protective Systems designee. The completed form will be turned over to the Contracting Officer by the COTR. Permanently affix a copy of the completed "Transfer of Responsibility" Form to the affected FACP throughout the construction period.

Install all equipment in accordance with manufacturer's recommendations and requirements of this Section.

3.2.1 Fire Alarm Control Panel(s) and Reporting Equipment

The existing Fire Alarm Control panel and reporting equipment are to be maintained. All wiring and conductors are to be maintained unless otherwise indicated on drawings. Refer to Fire Alarm System Acceptance Test Procedures of this section.

3.2.2 Addressable Modules and/or Devices

Existing to remain Addressable Modules and/or Devices are to be maintained. Refer to Fire Alarm System Acceptance Test Procedures of this section.

3.2.3 Manual Pull Stations (Fire Alarm Boxes)

Mount existing to be reused manual pull stations at locations indicated within 18-inch of the latch side of the door. Ensure mounting height is 48-inch above the finished floor measured from the top of the device.

3.2.4 Strobe Units/Combination Audio Visual

Mount existing to remain/reused strobe notification appliances at the approximate locations indicated. Ensure locations are unobstructed and allow viewing by area occupants in accordance with NFPA 70. Ensure mounting height is 80-inch above the finished floor measured from the bottom of the strobe, but no less than 6-inch below the ceiling.

3.2.5 Wiring (Wire and Multi-Conductor Cable)

Provide wiring conforming to the requirements of NFPA 70 and the following special requirements:

Install fire alarm system circuits in a separate raceway system. Route each circuit type (Initiating, Notification, Signaling, and Control) through a dedicated separate conduit or raceway system configured to comply with NFPA 72 Class "A" conduit system requirements. Do not allow 60-Hertz power circuits to enter enclosures containing fire alarm circuits except where required to connect to the fire alarm system.

Provide continuous conductors from a terminal point at one device to a terminal point at the next device and from a device to the FACP. Break wires at each terminal; do not loop wires over a terminal. Install solderless ring tongue terminal lugs with manufacturer's required tooling on the device wiring connection leads. Use this ring type lug on stranded wire only. Terminate solid wire on compression or screw type terminals. When screw type terminals are used, capture the conductor under 80 percent of the screw head surface. Identify all circuit conductors within each enclosure where a tap, splice, or termination is made. Provide conductor identification by heat-shrink-type sleeves or other approved method. Use point destination type conductor labels to indicate cabinet, circuit board, terminal block and screw terminal location for each individual conductor.

Provide conductor colors as listed below and in accordance with FED-STD-595. Where modifications are made to existing systems, match the new or added conductors to the size and color-coding of the

existing system.

Mark conductors for multiplexed communication circuits, speaker audio circuits, remote phone circuits, and remote station signaling circuits with circuit designation, and maintain consistent color-coding for the positive and negative loops throughout the cable system.

Install direct current initiating device circuits (heat detectors, manual pull station) as Class A, parallel-wired circuits per NFPA 72. Ensure the positive loop conductor is colored blue, Color No. 15102, and the negative loop conductor is colored black, Color No. 17038.

Install power leads from the control panel for product-of-combustion detectors as Class A, parallel-wired circuits per NFPA 72. Ensure the positive conductor is be colored white, Color No. 17877, and the negative conductor is colored black, Color No. 17038.

Install direct current notification appliance (bells, strobes) circuits as Class A, parallel-wired circuits per NFPA 72. Ensure the positive conductor is colored red, Color No. 11105, and the negative conductor is colored orange, Color No. 12473.

Install direct current auxiliary device control device circuits (AHU shutdown relay) as Class A, parallel-wired circuits per NFPA 72. Ensure the positive conductor is colored yellow, Color No. 13591, and the negative conductor is colored brown, Color No. 10055.

Install solenoid valve control circuits as Class B circuits per NFPA 72. Ensure the positive conductor is colored yellow, Color No. 13591, and the negative conductor is colored violet, Color No. 37100.

3.2.5.1 Installation in Cabinets and Boxes

Install wiring in control cabinets and boxes in a neat and orderly manner with wire properly grouped, tie-wrapped, or laced parallel and perpendicular to the major axis, supported and identified. Provide continuous control wiring from device to device with no splices unless otherwise indicated. Permanently mark all wires entering or leaving control cabinets, boxes, and devices and terminate on screw terminals. Ensure marking is consistent throughout the fire alarm system and is the same as the identification shown on the connection drawings.

Ensure wire labels correspond to the approved connection drawings and use a method indicating the destination of the other end of the wire. Provide labels in control panel equipment or between fire alarm terminal cabinets which indicate the destination of the other end by cabinet designation-terminal strip designation-terminal number. Provide labels in fire alarm terminal cabinets indicating connection in control panel equipment by fire alarm cabinet designation-module identifier-module terminal strip identifier-terminal number. Provide conductor labels with legible machine-printed black lettering on white background using indelible ink. Ensure labels are heat shrink or wrap around type.

3.2.6 Conduit and Raceways

Minimum size for fire alarm system initiating, notification, signaling line and control circuit conduits and raceways is 3/4-inch. Install in accordance with NFPA 70. Ensure all Class A initiating device, signaling line, notification appliance and control circuits use diverse routing in

accordance with NFPA 72. Do not run outgoing and return redundant circuit conductors in the same cable assembly, enclosure or raceway. The outgoing and return circuit conductors are only permitted to be run in a single conduit or raceway for drops that enter or exit an initiating device, notification appliance, or control unit enclosure.

Conceal all conduit in interior areas. Fire-stop all conduit passing through fire-resistant rated walls, floors, ceilings, in a manner that maintains the fire-resistant rating of the wall, floor or ceiling.

Ensure conduit installed in a vertical position is parallel with walls and perpendicular with the floor and ceiling, and that conduit installed in a horizontal position is parallel with the floor and ceiling and perpendicular to the walls. Make changes in direction of runs with symmetrical bends. For bends of over 1-inch in diameter, provide factory made elbows.

3.2.7 Water Flow Alarm and Valve Tamper Switches

Existing to remain Water Flow Alarm and Valve Tamper Switches are to be maintained. Refer to Fire Alarm System Acceptance Test Procedures of this section

3.3 FIELD TESTING

After complete installation of the equipment and at such time as directed by the Contracting Officer, conduct tests to demonstrate that the installation requirements of this specification have been met and that the sequential functions of the system comply with the requirements specified herein. Perform the Tests covered in the following paragraphs in two parts:

a. Contractor Checkout - Perform this test to remove all troubles, ground faults, ensure all devices are fully functional and operational, and test the programming to ensure the installation meets the contract drawings and specifications.

   For modification and rehabilitation work, the Contractor is not responsible for existing troubles and ground faults that are not in contract scope. Clearly convey the existing troubles and ground faults that are not in contract scope in the Transfer of Responsibility form. Upon successful completion of Contractor Checkout, submit Contractor Readiness Affirmation - For Preliminary Fire Alarm Testing prior to requesting the preliminary test. Also submit KSC - Transfer of Responsibility; and draft of NFPA 72 Fire Alarm System Record of Completion. Contractor Readiness Affirmation - For Preliminary Fire Alarm Testing and KSC - Transfer of Responsibility forms can be found in the "Special Conditions" documentation associated with this project.

b. Preliminary - Perform this test using the approved test procedure and witnessed by the Government construction inspectors. Verify Record (as-built) fire alarm system drawings against the system installed, annotate all red-lines, and summarize on a single set of record (as-built) drawings. Follow the test procedures as written and annotate all red-lines on a single Test Procedure. Secure the initials and date on the summarized set of drawings and test procedures from the construction inspector and the fire alarm vendor. The Preliminary test is not considered complete until all steps in the test procedure have been satisfactorily completed. This includes any additional steps required to complete 100 percent testing of the fire alarm system and

its associated functionality.

c. Final Acceptance - After the successful completion of the preliminary test, schedule a Final Acceptance test. Incorporate the final acceptance test procedure and record (as-built) drawings including all red lines from the preliminary test. Provide a copy of the consolidated redlines for the record (as-built) drawings and preliminary test procedures from the preliminary test. Ensure the Contracting Officer and the Authority Having Jurisdiction or their designee(s) witness the final acceptance test for the fire alarm system. During the Final Acceptance Test, provide two corrected as-built drawings and Final Acceptance Test Procedures for use in conducting the final acceptance test. Upon completion of the Final Acceptance Test, provide the following documentation to the Contracting Officer; a copy of the Final Acceptance Test procedure (with all steps annotated as complete), a corrected set of as-built drawings and a signed and completed NFPA 72 Fire Alarm System Record of Completion form.

On both preliminary and final tests, follow the approved testing procedures.

3.3.1 External System Wiring

Perform the following tests on the external system wiring before connection to the control panel:

Check continuity of circuits with an ohmmeter. Insert temporary jumpers in appropriate sockets of missing detectors and install the end-of line resistor when this test is performed. Verify resistance reading for each circuit is the value of the end-of-line resistor, plus or minus 10 percent.

Check each wire for grounds with 300-volt and 500-volt insulation resistance test set. Ensure resistance to ground is not less than 20 megohms. Isolate each wire tested from ground, with all other wires within the same conduit grounded. Verify that the conduit system is grounded prior to insulation resistance testing by verifying a short circuit between the conduit and earth ground.

3.3.2 Fire Alarm System Acceptance Test Procedures (For Both Preliminary and Final Tests)

After completion of the above tests, connect the external system wires to the appropriate terminals in the control panel and perform the following tests:

With the control panel energized, demonstrate the proper operation of all indicating lights and alarms.

Demonstrate each annunciator panel lamp to operate when its associated device or zone is activated.

Activate each manual pull station to demonstrate proper operation.

Activate each active smoke detector in accordance with the manufacturer's instructions, to demonstrate proper operation; both alarm and trouble.

Perform a static pressure differential test on each duct smoke detector

to verify the pressure differential between the inlet and outlet tubes is within the manufacturer's specifications for acceptable operation. For air handling units with variable speed drives, test at both the minimum and maximum operating speeds.

Each time an initiating or supervisory circuit is activated, verify that the associated device address, notification appliances circuits, auxiliary control circuits, and alarm reporting to the Central Fire Monitoring System is activated and the correct information is displayed by the color graphics units.

Remove and ground one lead at each alarm initiating device, (manual pull station, smoke detector, heat actuated detector etc.), to demonstrate circuit trouble, ground fault, and then alarm over ground fault with an open circuit. Alternate between positive (plus) and negative (minus) leads during the device testing process.

Turn off power to each separately powered panel or device to simulate loss of power and to demonstrate operation of the trouble alarm.

Test the rate-of-rise function on each heat-actuated detector in each zone by application of heat from a heat lamp or hand held hot air blower. Ensure detectors initiate an alarm to the system, sustain repeated tests of the rate-of-rise function without damage to the fixed temperature function. Replace heat-actuated detectors (HADS) subject to operation from body temperature.

Open and close water suppression system valves requiring tamper switches, to demonstrate proper operation.

Activate water flow/pressure switches by water flow at the inspector's test valve to demonstrate proper operation. Set water flow time delay between 45 and 90 seconds.

Demonstrate each alarm initiating circuit to operate its associated alarm-control and auxiliary control units and remote reporting.

Remove and ground one lead at each notification appliance and auxiliary control device to demonstrate open circuit trouble, ground fault trouble, and then operation over ground fault with an open circuit. Alternate between positive (plus) and negative (minus) leads during the device testing process.

Measure and record sound pressure level with a sound level meter meeting ANSI S1.4a, Specifications for Sound Level Meters, Type 2 requirements. Measure and record sound pressure Levels and ambient background levels throughout the protected area. Set the sound level meter in accordance with ANSI S3.41, American National Standard Audible Evacuation Signal, using the time-weighted characteristic F (FAST). Record the maximum output when the audible emergency evacuation signal is on. Verify audible information to be distinguishable and understandable. In locations where voice intelligibility is required, verify by one of the NFPA 72 approved methods. Ensure Acceptable Sound pressure level differentials comply with NFPA 72.

Demonstrate each alarm control unit to operate in all modes.

Demonstrate capacity and the operation of the battery backup system to operate as required by these specifications by disconnecting the 120

volt, 60 Hz power from the fire alarm (control) panel and operating the system as specified for backup operation.

Demonstrate all circuits interconnecting with other systems fire protection, smoke control, HVAC, security and safety, elevators, etc., to operate as specified on alarm from the associated zone or zones.

Verify all maintenance bypass functions operate as specified. Independently verify each device or circuit controlled by the bypass function.

Test multiplex equipment, devices, and wiring in accordance with NFPA 70 and manufacturer's requirements. Remove and ground one lead at each addressable device to demonstrate open circuit trouble, ground fault trouble, and then operation over ground fault with an open circuit. Alternate between positive (plus) and negative (minus) leads during the device testing process.

Test Style 7 network wiring configuration and fault tolerance to verify proper operation.

3.3.3 Reacceptance System Tests

Perform reacceptance testing after system components are added or deleted; after any modification, repair, or adjustment to system hardware or wiring; or after any change to software. Test all components, circuits, systems operations, or site specific software functions known to be affected by the change or identified by a means that indicates the system operational changes are 100 percent tested. In addition, also test 10 percent of the initiating devices that are not directly affected by the change and verify proper system operation.

Changes to all control units connected or controlled by the system executive software require a 10 percent functional test of the system, including a test of at least one device on each input and output circuit to verify proper system operation.

Upon completion of the modification, functionally test the existing devices that were reinstalled and test the devices that are on both sides of the point of connection of the new devices. Test all newly installed devices in accordance with the paragraph entitled, "Fire Alarm System Acceptance Test Procedures (For Both Preliminary and Final Tests)," of this section.

After final acceptance testing has been successfully completed, submit test data under the terms of the "GENERAL REQUIREMENTS" clause of this contract.

3.4 PAINTING

Bring all manufacturer's standard finish equipment surfaces, damaged during construction, to as-new condition by touchup or repainting to the satisfaction of the Contracting Officer, or replace with new undamaged equipment at no additional cost to the Government.

Paint all fire alarm conduit fittings, junction boxes, and junction box covers red, Color No. 11105 in accordance with FED-STD-595. Mark conduit with a minimum 1-inch wide band every 20 feet. Alternative compliant

method is to use red-colored EMT conduit that is hot-galvanized for durability with a red top coat. If the alternative method is selected, none of the conduit fittings, junction boxes, or junction box covers are required to be painted.

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APPENDIX

ASBESTOS SCHEDULE

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01D01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	98	LF	GRAY BUILDING SEAL	AMIS
01D01A	PIPE INSULATION	NO	YES	GOOD	72	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
01D01A	PIPE INSULATION	YES	YES	GOOD	72 (NF)	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
01D01AP	PIPE INSULATION	NO	YES	GOOD	260	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
01D01AP	PIPE INSULATION	YES	YES	GOOD	260	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
01D01AP	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
01D01AP	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
01D02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	98	LF	GRAY BUILDING SEAL	AMIS
01D03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	BLACK BUILDING SEAL	AMIS
01D04	CEILING MATERIALS (TILE)	NO	NO	FAIR	200	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01D04	CEILING MATERIALS (TILE)	NO	NO	FAIR	500	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	NEW WHITE DUCT MASTIC ON SILVER DUCT INSULATION	AMIS
01D04	FLOOR COVERING (TILE)	NO	NO	GOOD	400	SF	2' X 2' RAISED FLOOR TILE	AMIS
01D04	FLOOR COVERING (TILE)	YES	NO	GOOD	360	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
01D04	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
01D04	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	70	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
01D04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	75	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01D05	CEILING MATERIALS (TILE)	NO	NO	FAIR	64	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01D05	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	5	LF	GREY SEAL W/FOAM BACKING	ATLAS
01D05	CEILING MATERIALS (TILE)	NO	NO	GOOD	787	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	NEW WHITE DUCT MASTIC ON SILVER DUCT INSULATION	AMIS
01D05	FLOOR COVERING (TILE)	YES	NO	GOOD	888 (NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01D05	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	24	LF	GRAY BUILDING SEAL	AMIS
01D05	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	8 (NF)	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01D05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	122 (NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01D05	WALL COVERING (DRYWALL)	NO	NO	GOOD	21	SF	DRYWALL/WALL BOARD	AMIS
01D06	CEILING MATERIALS (TILE)	NO	NO	FAIR	88	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01D06	CEILING MATERIALS (TILE)	NO	NO	FAIR	890	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	AMIS
01D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	NEW WHITE DUCT MASTIC ON SILVER DUCT INSULATION	AMIS
01D06	FLOOR COVERING (TILE)	YES	NO	POOR	290	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01D06	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	8 (NF)	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01D06	PIPE INSULATION	NO	YES	GOOD	28	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
01D06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
01D06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	21	SF	DRYWALL/WALL BOARD	AMIS
01D07	CEILING MATERIALS (TILE)	NO	NO	FAIR	32	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01D07	CEILING MATERIALS (TILE)	NO	NO	FAIR	1,576	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	32	SF	2' X 4' RANDOM PIN HOLE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	72	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
01D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	300	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D07	FLOOR COVERING (TILE)	NO	NO	GOOD	1,680	SF	2' X 2' RAISED FLOOR TILE	AMIS
01D07	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	165	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
01D07	PIPE INSULATION	NO	YES	FAIR	140	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
01D07	PIPE INSULATION	NO	YES	FAIR	60	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
01D07	PIPE INSULATION	NO	YES	FAIR	145	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
01D07	PIPE INSULATION	NO	YES	FAIR	80	LF	2-4" SH SUPPLY/RETURN	AMIS
01D07	PIPE INSULATION	YES	YES	FAIR	30	LF	4" OUTER DIAMETER CHILL H20 CANVAS/PAPER/FBGLASS	AMIS
01D07	PIPE INSULATION	NO	YES	GOOD	60 (NF)	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
01D07	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	10	LF	BLACK STICKY PIPE WIPE	AMIS
01D07	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	4	EA	GRAY FLUTED PIPE WRAP	AMIS
01D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	50	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
01D07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	35	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
01D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	192	SF	DRYWALL/WALL BOARD	AMIS
01D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	60	SF	SPACKLE JOINT MATERIAL	AMIS
01D07A	CEILING MATERIALS (TILE)	NO	YES	GOOD	8	SF	2' X 4' RANDOM PIN HOLE	AMIS
01D07A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D07A	FLOOR COVERING (TILE)	NO	NO	GOOD	91	SF	2' X 2' RAISED FLOOR TILE	AMIS
01D07A	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	9	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
01D07A	WALL COVERING (DRYWALL)	NO	NO	GOOD	104	SF	DRYWALL/WALL BOARD	AMIS
01D07A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	24	SF	SPACKLE JOINT MATERIAL	AMIS
01D07D	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01D07D	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25 (NF)	SF	GRAY DUCT MASTIC	AMIS
01D07D	WALL COVERING (BASEBOARD)	NO	NO	GOOD	33 (NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01DE STAIRWELL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	56	LF	GRAY BUILDING SEAL	AMIS
01DEL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	BLACK BUILDING SEAL	AMIS
01DH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	2,500	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01DH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01DH01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	GRAY BUILDING SEAL	AMIS
01DH01	MISCELLANEOUS (BUILDING SEAL)	NO	YES	FAIR	20	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01DH01	PIPE INSULATION	NO	YES	FAIR	20	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
01DH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1 (NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
01DH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
01DH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	500	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01DH01	WALL COVERING (DRYWALL)	NO	NO	GOOD	190	SF	DRYWALL/WALL BOARD	AMIS
01DH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	57	SF	SPACKLE JOINT MATERIAL	AMIS
02D05	CEILING MATERIALS (TILE)	NO	NO	FAIR	1,048	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D05	CEILING MATERIALS (TILE)	NO	YES	FAIR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D05	CEILING MATERIALS (TILE)	NO	YES	FAIR	50	SF	2' X 4' RANDOM PIN HOLE	AMIS
02D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D05	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02D05	FLOOR COVERING (TILE)	YES	NO	POOR	1,130	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D05	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" SH SUPPLY/RETURN	AMIS
02D05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	134	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D05	WALL COVERING (DRYWALL)	NO	NO	GOOD	750	SF	DRYWALL/WALL BOARD	AMIS
02D05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	47	SF	SPACKLE JOINT MATERIAL	AMIS
02D05	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
02D06	CEILING MATERIALS (TILE)	NO	NO	POOR	520	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D06	CEILING MATERIALS (TILE)	NO	YES	FAIR	80	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D06	FLOOR COVERING (TILE)	YES	NO	FAIR	600	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D06	PIPE INSULATION	NO	YES	GOOD	36	LF	2-4" SH SUPPLY/RETURN	AMIS
02D06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	780	SF	DRYWALL/WALL BOARD	AMIS
02D06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	260	SF	SPACKLE JOINT MATERIAL	AMIS
02D06	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
02D07	CEILING MATERIALS (TILE)	NO	NO	POOR	477	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	60	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D07	CEILING MATERIALS (TILE)	NO	YES	GOOD	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D07	FLOOR COVERING (TILE)	YES	NO	FAIR	545	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D07	PIPE INSULATION	NO	YES	POOR	50	LF	2-4" SH SUPPLY/RETURN	AMIS
02D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	14	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	780	SF	DRYWALL/WALL BOARD	AMIS
02D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	260	SF	SPACKLE JOINT MATERIAL	AMIS
02D07	WALL COVERING (PANELS)	YES	NO	GOOD	220	SF	WALL PANEL, TRANSITE	AMIS
02D08	CEILING MATERIALS (TILE)	NO	NO	POOR	482	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D08	CEILING MATERIALS (TILE)	NO	YES	FAIR	58	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D08	FLOOR COVERING (TILE)	YES	NO	POOR	540	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D08	PIPE INSULATION	NO	YES	GOOD	48	LF	2-4" SH SUPPLY/RETURN	AMIS
02D08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	8	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D08	WALL COVERING (DRYWALL)	NO	NO	GOOD	780	SF	DRYWALL/WALL BOARD	AMIS
02D08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	260	SF	SPACKLE JOINT MATERIAL	AMIS
02D08	WALL COVERING (PANELS)	YES	NO	GOOD	220	SF	WALL PANEL, TRANSITE	AMIS
02D09	CEILING MATERIALS (TILE)	NO	NO	POOR	110	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D09	CEILING MATERIALS (TILE)	NO	YES	FAIR	250	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02D09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D09	FLOOR COVERING (TILE)	YES	NO	FAIR	360	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D09	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" SH SUPPLY/RETURN	AMIS
02D09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	76	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D09	WALL COVERING (DRYWALL)	NO	NO	GOOD	760	SF	DRYWALL/WALL BOARD	AMIS
02D09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	253	SF	SPACKLE JOINT MATERIAL	AMIS
02D09A	CEILING MATERIALS (TILE)	NO	NO	POOR	152	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D09A	CEILING MATERIALS (TILE)	NO	YES	FAIR	28	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D09A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	35	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D09A	FLOOR COVERING (TILE)	YES	NO	FAIR	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D09A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D09A	WALL COVERING (DRYWALL)	NO	NO	GOOD	380	SF	DRYWALL/WALL BOARD	AMIS
02D09A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	127	SF	SPACKLE JOINT MATERIAL	AMIS
02D09A	WALL COVERING (PANELS)	YES	NO	GOOD	220	SF	WALL PANEL, TRANSITE	AMIS
02D09B	CEILING MATERIALS (TILE)	NO	NO	POOR	181	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D09B	CEILING MATERIALS (TILE)	NO	YES	FAIR	29	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D09B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D09B	FLOOR COVERING (TILE)	YES	NO	POOR	210	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D09B	PIPE INSULATION	NO	YES	GOOD	14	LF	2-4" SH SUPPLY/RETURN	AMIS
02D09B	WALL COVERING (BASEBOARD)	NO	NO	POOR	74	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D09B	WALL COVERING (DRYWALL)	NO	NO	GOOD	740	SF	DRYWALL/WALL BOARD	AMIS
02D09B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	247	SF	SPACKLE JOINT MATERIAL	AMIS
02D09B	WALL COVERING (PANELS)	YES	NO	GOOD	85	SF	WALL PANEL, TRANSITE	AMIS
02D10	CEILING MATERIALS (TILE)	NO	YES	FAIR	25	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D10	CEILING MATERIALS (TILE)	NO	NO	POOR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	51	LF	BROWN CAULK	ATLAS
02D10	WALL COVERING (DRYWALL)	NO	YES	GOOD	210	SF	GYPSUM WALLBOARD PANEL WITH FABRIC COVER AND PAPERBACK - WHITE 1/2" CORE	ATLAS
02D10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	66	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D10	FLOOR COVERING (TILE)	YES	NO	GOOD	325	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D10	PIPE INSULATION	NO	YES	POOR	85	LF	2-4" SH SUPPLY/RETURN	AMIS
02D10	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	28	LF	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	51	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D10	WALL COVERING (DRYWALL)	NO	NO	GOOD	510	SF	DRYWALL/WALL BOARD	AMIS
02D10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	170	SF	SPACKLE JOINT MATERIAL	AMIS
02D10A	CEILING MATERIALS (TILE)	NO	YES	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D10A	CEILING MATERIALS (TILE)	NO	NO	POOR	200	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D10A	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	29	LF	BROWN CAULK	ATLAS
02D10A	WALL COVERING (DRYWALL)	NO	YES	GOOD	270	SF	GYPSUM WALLBOARD PANEL WITH FABRIC COVER AND PAPERBACK - WHITE 1/2" CORE	ATLAS
02D10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D10A	FLOOR COVERING (TILE)	YES	NO	FAIR	204	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02D10A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	29	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D10A	WALL COVERING (DRYWALL)	NO	NO	GOOD	170	SF	DRYWALL/WALL BOARD	AMIS
02D10A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	57	SF	SPACKLE JOINT MATERIAL	AMIS
02D10A	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
02D10B	CEILING MATERIALS (TILE)	NO	YES	POOR	221	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D10B	WALL COVERING (DRYWALL)	NO	YES	GOOD	270	SF	GYPSUM WALLBOARD PANEL WITH FABRIC COVER AND PAPERBACK - WHITE 1/2" CORE	ATLAS
02D10B	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	30	LF	BROWN CAULK	ATLAS
02D10B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D10B	FLOOR COVERING (TILE)	YES	NO	FAIR	221	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D10B	PIPE INSULATION	NO	YES	GOOD	30	LF	2-4" SH SUPPLY/RETURN	AMIS
02D10B	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D10B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D10B	WALL COVERING (DRYWALL)	NO	NO	GOOD	170	SF	DRYWALL/WALL BOARD	AMIS
02D10B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	57	SF	SPACKLE JOINT MATERIAL	AMIS
02D10B	WALL COVERING (PANELS)	YES	NO	GOOD	145	SF	WALL PANEL, TRANSITE	AMIS
02D11	CEILING MATERIALS (TILE)	NO	NO	FAIR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D11	CEILING MATERIALS (TILE)	NO	YES	POOR	327	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D11	CEILING MATERIALS (TILE)	NO	YES	POOR	16	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
02D11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	28	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D11	FLOOR COVERING (TILE)	YES	NO	FAIR	375	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D11	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
02D11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	80	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D11	WALL COVERING (DRYWALL)	NO	NO	GOOD	250	SF	DRYWALL/WALL BOARD	AMIS
02D11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	83	SF	SPACKLE JOINT MATERIAL	AMIS
02D11	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
02D12	CEILING MATERIALS (TILE)	NO	NO	FAIR	75	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02D12	CEILING MATERIALS (TILE)	NO	YES	POOR	329	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02D12	CEILING MATERIALS (TILE)	NO	YES	GOOD	16	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02D12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02D12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02D12	FLOOR COVERING (TILE)	YES	NO	GOOD	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02D12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	88	LF	BROWN CAULK	AMIS
02D12	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" SH SUPPLY/RETURN	AMIS
02D12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02D12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	88	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02D12	WALL COVERING (DRYWALL)	NO	NO	GOOD	300	SF	DRYWALL/WALL BOARD	AMIS
02D12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	100	SF	SPACKLE JOINT MATERIAL	AMIS
02D12	WALL COVERING (PANELS)	YES	NO	GOOD	440	SF	WALL PANEL, TRANSITE	AMIS
02DEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	8	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
02DEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02DEL01	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	1	SF	WALL PENETRATION PUTTY GREENISH/BLACK	AMIS
02DEL01	PIPE INSULATION	NO	YES	GOOD	60	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
02DEL01	PIPE INSULATION	NO	YES	GOOD	60	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
02DEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02DEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	18	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
02DEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	180	SF	DRYWALL/WALL BOARD	AMIS
02DEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	60	SF	SPACKLE JOINT MATERIAL	AMIS
02DH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	54	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02DH01	CEILING MATERIALS (TILE)	NO	NO	POOR	876	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02DH01	FLOOR COVERING (TILE)	YES	NO	FAIR	930	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02DH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	310	LF	BROWN CAULK	AMIS
02DH01	PIPE INSULATION	NO	YES	GOOD	16	LF	2-4" SH SUPPLY/RETURN	AMIS
02DH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02DH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	315	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	1,600	SF	DRYWALL/WALL BOARD	AMIS
02DH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	533	SF	SPACKLE JOINT MATERIAL	AMIS
02DH01	WALL COVERING (PANELS)	YES	NO	GOOD	1,776	SF	WALL PANEL, TRANSITE	AMIS
02DH02	CEILING MATERIALS (TILE)	NO	NO	GOOD	154	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02DH02	FLOOR COVERING (TILE)	YES	NO	FAIR	154	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02DH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	29	LF	GRAY BUILDING SEAL	AMIS
02DH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
02DH02	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
02DH02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
02DH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	8	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
02DH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	210	SF	DRYWALL/WALL BOARD	AMIS
02DH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	70	SF	SPACKLE JOINT MATERIAL	AMIS
02DH03	CEILING MATERIALS (TILE)	NO	NO	FAIR	88	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02DH03	CEILING MATERIALS (TILE)	NO	NO	POOR	92	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02DH03	FLOOR COVERING (TILE)	YES	NO	FAIR	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	ATLAS
02DH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	12	LF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02DH03	FLOOR COVERING (TILE)	YES	NO	ABATED	180	SF	9" X 9" BGE WITH BLUE SPECK FLOOR TILE	AMIS
02DH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	76	LF	BROWN CAULK	AMIS
02DH03	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
02DH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	71	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DH03	WALL COVERING (DRYWALL)	NO	NO	FAIR	720	SF	DRYWALL/WALL BOARD	AMIS
02DH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	240	SF	SPACKLE JOINT MATERIAL	AMIS
02DH04	CEILING MATERIALS (TILE)	NO	YES	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02DH04	CEILING MATERIALS (TILE)	NO	NO	FAIR	47	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02DH04	CEILING MATERIALS (TILE)	NO	YES	FAIR	4	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
02DH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02DH04	FLOOR COVERING (TILE)	YES	NO	FAIR	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02DH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	22	LF	BROWN CAULK	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02DH04	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
02DH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02DH04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	22	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DH04	WALL COVERING (DRYWALL)	NO	NO	FAIR	220	SF	DRYWALL/WALL BOARD	AMIS
02DH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	73	SF	SPACKLE JOINT MATERIAL	AMIS
02DH05	CEILING MATERIALS (TILE)	NO	YES	FAIR	6	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
02DH05	CEILING MATERIALS (TILE)	NO	NO	FAIR	84	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02DH05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02DH05	FLOOR COVERING (TILE)	YES	NO	FAIR	90	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02DH05	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	35	LF	BROWN CAULK	AMIS
02DH05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02DH05	WALL COVERING (DRYWALL)	NO	NO	FAIR	300	SF	DRYWALL/WALL BOARD	AMIS
02DH05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	133	SF	SPACKLE JOINT MATERIAL	AMIS
03D04	CEILING MATERIALS (TILE)	NO	YES	FAIR	722	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D04	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
03D04	FLOOR COVERING (TILE)	YES	NO	FAIR	722	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D04	PIPE INSULATION	NO	YES	GOOD	14	LF	2-4" SH SUPPLY/RETURN	AMIS
03D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03D04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	120	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D04	WALL COVERING (DRYWALL)	NO	NO	GOOD	760	SF	DRYWALL/WALL BOARD	AMIS
03D04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	253	SF	SPACKLE JOINT MATERIAL	AMIS
03D04	WALL COVERING (PANELS)	YES	NO	GOOD	432	SF	WALL PANEL, TRANSITE	AMIS
03D05	CEILING MATERIALS (TILE)	NO	YES	FAIR	660	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03D05	CEILING MATERIALS (TILE)	NO	YES	FAIR	64	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D05	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
03D05	FLOOR COVERING (TILE)	YES	NO	FAIR	722	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D05	PIPE INSULATION	NO	YES	GOOD	14	LF	2-4" SH SUPPLY/RETURN	AMIS
03D05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03D05	WALL COVERING (BASEBOARD)	NO	NO	POOR	120	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D05	WALL COVERING (DRYWALL)	NO	NO	GOOD	760	SF	DRYWALL/WALL BOARD	AMIS
03D05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	250	SF	SPACKLE JOINT MATERIAL	AMIS
03D05	WALL COVERING (PANELS)	YES	NO	GOOD	430	SF	WALL PANEL, TRANSITE	AMIS
03D06	CEILING MATERIALS (TILE)	NO	YES	GOOD	20	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03D06	CEILING MATERIALS (TILE)	NO	YES	FAIR	280	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03D06	FLOOR COVERING (TILE)	YES	NO	POOR	304	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	550	SF	DRYWALL/WALL BOARD	AMIS
03D06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
03D06	WALL COVERING (PANELS)	YES	NO	GOOD	200	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	80	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	120	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03D07	FLOOR COVERING (TILE)	YES	NO	POOR	300	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D07	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03D07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
03D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
03D07	WALL COVERING (PANELS)	YES	NO	GOOD	200	SF	WALL PANEL, TRANSITE	AMIS
03D08	CEILING MATERIALS (TILE)	NO	YES	FAIR	700	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03D08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03D08	FLOOR COVERING (TILE)	YES	NO	POOR	700	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D08	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" SH SUPPLY/RETURN	AMIS
03D08	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	8	LF	BLACK STICKY PIPE WIPE	AMIS
03D08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03D08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	114	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D08	WALL COVERING (DRYWALL)	NO	NO	GOOD	700	SF	DRYWALL/WALL BOARD	AMIS
03D08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
03D08	WALL COVERING (PANELS)	YES	NO	GOOD	450	SF	WALL PANEL, TRANSITE	AMIS
03D09	CEILING MATERIALS (TILE)	NO	YES	POOR	160	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03D09	CEILING MATERIALS (TILE)	NO	NO	POOR	340	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03D09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03D09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
03D09	FLOOR COVERING (TILE)	YES	NO	POOR	500	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03D09	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
03D09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03D09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03D09	WALL COVERING (DRYWALL)	NO	NO	GOOD	300	SF	DRYWALL/WALL BOARD	AMIS
03D09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	100	SF	SPACKLE JOINT MATERIAL	AMIS
03D09	WALL COVERING (PANELS)	YES	NO	GOOD	610	SF	WALL PANEL, TRANSITE	AMIS
03DEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
03DEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
03DEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03DEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	40	SF	SPACKLE JOINT MATERIAL	AMIS
03DEL01	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
03DH01	CEILING MATERIALS (TILE)	NO	YES	POOR	620	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03DH01	CEILING MATERIALS (TILE)	NO	YES	POOR	280	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03DH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03DH01	FLOOR COVERING (TILE)	YES	NO	POOR	900	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03DH01	PIPE INSULATION	NO	YES	GOOD	360	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03DH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03DH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	306	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03DH01	WALL COVERING (DRYWALL)	NO	NO	GOOD	2,400	SF	DRYWALL/WALL BOARD	AMIS
03DH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	800	SF	SPACKLE JOINT MATERIAL	AMIS
03DH02	FLOOR COVERING (TILE)	YES	NO	POOR	224	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03DH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	15	LF	GRAY BUILDING SEAL	AMIS
03DH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	20	LF	OFF-WHITE CAULK	AMIS
03DH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03DH02	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
03DH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	140	SF	SPACKLE JOINT MATERIAL	AMIS
03DH03	FLOOR COVERING (TILE)	YES	NO	POOR	90	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03DH03	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03DH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03DH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03DH03	WALL COVERING (DRYWALL)	NO	NO	GOOD	460	SF	DRYWALL/WALL BOARD	AMIS
03DH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	153	SF	SPACKLE JOINT MATERIAL	AMIS
03DH04	CEILING MATERIALS (TILE)	NO	YES	POOR	55	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
03DH04	CEILING MATERIALS (TILE)	NO	YES	POOR	40	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
03DH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03DH04	FLOOR COVERING (TILE)	YES	NO	POOR	95	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
03DH04	PIPE INSULATION	NO	YES	GOOD	6	LF	2-4" SH SUPPLY/RETURN	AMIS
03DH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03DH04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	43	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03DH04	WALL COVERING (DRYWALL)	NO	NO	GOOD	380	SF	DRYWALL/WALL BOARD	AMIS
03DH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	127	SF	SPACKLE JOINT MATERIAL	AMIS
03DH04	WALL COVERING (PANELS)	YES	NO	GOOD	50	SF	WALL PANEL, TRANSITE	AMIS
04D01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	92	LF	GRAY BUILDING SEAL	AMIS
04D02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	90	LF	GRAY BUILDING SEAL	AMIS
04D03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	66	LF	GRAY BUILDING SEAL	AMIS
04D04S	FLOOR COVERING (OTHER)	NO	NO	GOOD	40	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D04S	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	25	LF	GRAY BUILDING SEAL	AMIS
04D04S	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	70	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
04D04S	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	50	LF	GRAY SEAL W/FOAM BACKING	AMIS
04D04S	PIPE INSULATION	NO	YES	POOR	10	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
04D04S	PIPE INSULATION	NO	YES	FAIR	60	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
04D04S	PIPE INSULATION	NO	YES	FAIR	70	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
04D04S	PIPE INSULATION	NO	YES	FAIR	350	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D04S	PIPE INSULATION	YES	YES	FAIR	150	LF	CHILL H20 REDUCER END CAP PAINT. SKIN WITH MUD OVER FGLS	AMIS
04D04S	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	19	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
04D04S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	10	EA	6-8" OUTER DIAMETER SH LINE ELBOW MUDD	AMIS
04D04S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	32	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
04D04S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D04S	WALL COVERING (BASEBOARD)	NO	NO	POOR	145	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D04S	WALL COVERING (DRYWALL)	NO	NO	FAIR	1,170	SF	DRYWALL/WALL BOARD	AMIS
04D04S	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	390	SF	SPACKLE JOINT MATERIAL	AMIS
04D04SA	FLOOR COVERING (OTHER)	NO	NO	GOOD	15	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D04SA	MISCELLANEOUS MATERIAL (GASKETS)	YES	YES	GOOD	2	EA	GRAY FIBROUS GASKET ON DW FLANGES	AMIS
04D04SA	PIPE INSULATION	NO	YES	GOOD	144	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D04SA	PIPE INSULATION	NO	NO	FAIR	50	LF	4-6" BROWN PAPER O/FOIL O/FIBERGLASS DRAIN LINE	AMIS
04D04SA	PIPE INSULATION	YES	YES	GOOD	200	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
04D04SA	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D04SA	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D04SA	WALL COVERING (BASEBOARD)	NO	NO	GOOD	38	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D04SA	WALL COVERING (DRYWALL)	NO	NO	GOOD	456	SF	DRYWALL/WALL BOARD	AMIS
04D04SA	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	152	SF	SPACKLE JOINT MATERIAL	AMIS
04D04SA	WALL COVERING (PANELS)	YES	NO	GOOD	432	SF	WALL PANEL, TRANSITE	AMIS
04D04SB	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D04SB	PIPE INSULATION	NO	YES	GOOD	10	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
04D04SB	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
04D04SB	PIPE INSULATION	YES	YES	GOOD	15	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
04D04SB	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
04D04SB	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D04SB	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
04D04SB	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
04D05S	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
04D05S	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
04D05S	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	30	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
04D05S	MISCELLANEOUS MATERIAL (OTHER)	NO	NO.	GOOD	12	LF	GRAY SEAL W/FOAM BACKING	AMIS
04D05S	PIPE INSULATION	NO	YES	FAIR	60	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
04D05S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	14	EA	6-8" OUTER DIAMETER SH LINE ELBOW MUDD	AMIS
04D06S	FLOOR COVERING (OTHER)	NO	NO	GOOD	20	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D07	PIPE INSULATION	NO	NO	GOOD	15	LF	4-6" OUTER DIAMETER DRAIN LINE	ATLAS
04D07	CEILING MATERIALS (TILE)	NO	NO	POOR	80	SF	2' X 4' NATURAL FISSURE WITH NUMEROUS PIN HOLES / LIGHT FISSURES	ATLAS
04D07	WALL COVERING (DRYWALL)	NO	YES	GOOD	120	SF	GYPSUM WALLBOARD PANEL WITH FABRIC COVER AND PAPERBACK - WHITE 1/2" CORE	ATLAS
04D07	WALL COVERING (DRYWALL)	NO	YES	FAIR	480	SF	4'X10' GYPSUM WALL BOARD PANELS	ATLAS
04D07	CEILING MATERIALS (TILE)	NO	NO	FAIR	116	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
04D07	FLOOR COVERING (TILE)	NO	NO	FAIR	196	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
04D07	PIPE INSULATION	NO	YES	GOOD	5 (NF)	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
04D07	PIPE INSULATION	NO	YES	GOOD	5 (NF)	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
04D07	PIPE INSULATION	NO	YES	GOOD	13 (NF)	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
04D07	WALL COVERING (BASEBOARD)	NO	NO	POOR	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	120	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
04D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	40	SF	SPACKLE JOINT MATERIAL	AMIS
04D08	CEILING MATERIALS (TILE)	NO	YES	GOOD	184	SF	2'X4' WHITE DRYWALL CEILING PANELS	ATLAS
04D08	CEILING MATERIALS (TILE)	NO	NO	FAIR	224	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
04D08	FLOOR COVERING (TILE)	YES	NO	POOR	425	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
04D08	FLOOR COVERING (TILE)	YES	NO	POOR	50	SF	12" GRAY MARBELIZED	AMIS
04D08	PIPE INSULATION	NO	YES	FAIR	30	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D08	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	8 (NF)	LF	BLACK STICKY PIPE WIPE	AMIS
04D08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D08	WALL COVERING (BASEBOARD)	NO	NO	FAIR	176	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D08	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,280	SF	DRYWALL/WALL BOARD	AMIS
04D08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	470	SF	SPACKLE JOINT MATERIAL	AMIS
04D08A	CEILING MATERIALS (TILE)	NO	YES	GOOD	65	SF	2'X4' WHITE DRYWALL CEILING PANELS	ATLAS
04D08A	CEILING MATERIALS (TILE)	NO	NO	GOOD	25	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
04D08A	FLOOR COVERING (TILE)	YES	NO	GOOD	25	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
04D08A	PIPE INSULATION	NO	YES	GOOD	8	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
04D08A	PIPE INSULATION	NO	YES	GOOD	8	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
04D08A	PIPE INSULATION	NO	YES	GOOD	5	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D08A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
04D08A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	20	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D08A	WALL COVERING (DRYWALL)	NO	NO	GOOD	200	SF	DRYWALL/WALL BOARD	AMIS
04D08A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	66	SF	SPACKLE JOINT MATERIAL	AMIS
04D08B	CEILING MATERIALS (TILE)	NO	YES	FAIR	128	SF	4'X10' GYPSUM WALL BOARD PANELS	ATLAS
04D08B	PIPE INSULATION	NO	YES	GOOD	75	LF	4-6" OUTER DIAMETER DRAIN LINE	ATLAS
04D08B	WALL COVERING (DRYWALL)	NO	NO	GOOD	184	SF	2'X4' WHITE DRYWALL CEILING PANELS	AMIS
04D08B	PIPE INSULATION	NO	YES	GOOD	75	LF	4-6" OUTER DIAMETER DRAIN LINE	ATLAS
04D08B	WALL COVERING (DRYWALL)	NO	NO	GOOD	184	SF	2'X4' WHITE DRYWALL CEILING PANELS	AMIS
04D08B	CEILING MATERIALS (TILE)	NO	NO	GOOD	252	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
04D08B	PIPE INSULATION	NO	YES	GOOD	7 (NF)	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
04D08B	PIPE INSULATION	NO	YES	GOOD	42	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D08B	PIPE INSULATION	YES	YES	GOOD	38	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
04D08B	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	3 (NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
04D08B	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D08B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D08B	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,060	SF	DRYWALL/WALL BOARD	AMIS
04D08B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	353	SF	SPACKLE JOINT MATERIAL	AMIS
04D09	WALL COVERING (DRYWALL)	NO	YES	GOOD	120	SF	GYPSUM WALLBOARD PANEL WITH FABRIC COVER AND PAPERBACK - WHITE 1/2" CORE	ATLAS
04D09	WALL COVERING (DRYWALL)	NO	YES	GOOD	216	SF	4'X10' GYPSUM WALL BOARD PANELS	ATLAS
04D09	CEILING MATERIALS (TILE)	NO	YES	FAIR	88	SF	2' X 4' NATURAL FISSURE WITH NUMEROUS PIN HOLES / LIGHT FISSURES	ATLAS
04D09	PIPE INSULATION	NO	YES	GOOD	20	LF	4-6" OUTER DIAMETER DRAIN LINE	ATLAS
04D09	CEILING MATERIALS (TILE)	NO	NO	GOOD	150	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
04D09	FLOOR COVERING (TILE)	NO	NO	GOOD	238	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
04D09	PIPE INSULATION	NO	YES	GOOD	18 (NF)	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D09	PIPE INSULATION	NO	YES	GOOD	20	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D09	PIPE INSULATION	YES	YES	GOOD	30 (NF)	LF	CHILL H20 REDUCER END CAP PAINT. SKIN WITH MUD OVER FGLS	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
04D09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
04D09	WALL COVERING (BASEBOARD)	NO	NO	POOR	13	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D09	WALL COVERING (DRYWALL)	NO	NO	GOOD	170	SF	DRYWALL/WALL BOARD	AMIS
04D09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	56	SF	SPACKLE JOINT MATERIAL	AMIS
04D10	FLOOR COVERING (OTHER)	NO	NO	GOOD	5	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D11	WALL COVERING (DRYWALL)	NO	YES	GOOD	180	SF	4'X10' GYPSUM WALL BOARD PANELS	ATLAS
04D11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	SILVER DUCT MASTIC ON AC	AMIS
04D11	FLOOR COVERING (OTHER)	NO	NO	GOOD	5	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
04D11	PIPE INSULATION	NO	YES	GOOD	25	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
04D11	PIPE INSULATION	NO	YES	FAIR	60	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D11	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	50 (NF)	LF	BLACK STICKY PIPE WIPE	AMIS
04D11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
04D11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
04D11	WALL COVERING (BASEBOARD)	NO	NO	POOR	3	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
04D11	WALL COVERING (DRYWALL)	NO	NO	GOOD	60	SF	DRYWALL/WALL BOARD	AMIS
04D11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	20	SF	SPACKLE JOINT MATERIAL	AMIS
05D03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	LF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D03	CEILING MATERIALS (TILE)	NO	YES	POOR	325	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D03	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
05D03	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D03	FLOOR COVERING (TILE)	YES	NO	FAIR	410	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D03	PIPE INSULATION	NO	YES	FAIR	40	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D03	PIPE INSULATION	NO	YES	FAIR	60	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D03	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	5	LF	BLACK STICKY PIPE WIPE	AMIS
05D03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	25	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D03	WALL COVERING (DRYWALL)	NO	NO	GOOD	740	SF	DRYWALL/WALL BOARD	AMIS
05D03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	246	SF	SPACKLE JOINT MATERIAL	AMIS
05D03A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D03A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D03A	PIPE INSULATION	NO	YES	POOR	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
05D03A	PIPE INSULATION	NO	YES	POOR	18	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
05D03A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2 (NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D03A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	1	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
05D03A	WALL COVERING (BASEBOARD)	NO	NO	FAIR	15	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D03A	WALL COVERING (DRYWALL)	NO	NO	GOOD	260	SF	DRYWALL/WALL BOARD	AMIS
05D03A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	86	SF	SPACKLE JOINT MATERIAL	AMIS
05D03A	WALL COVERING (PANELS)	YES	NO	GOOD	<190	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	YES	FAIR	1	EA	COIL/ROPE FITTING INSULATION, WHITE	ATLAS
05D04	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D04	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
05D04	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D04	FLOOR COVERING (TILE)	YES	NO	POOR	410	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D04	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D04	PIPE INSULATION	NO	YES	GOOD	50	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D04	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D04A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D04A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D04A	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
05D04A	PIPE INSULATION	NO	YES	GOOD	19	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
05D04A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D04A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D04A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D04A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D05		YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D05	CEILING MATERIALS (TILE)	NO	NO	POOR	437	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
05D05	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D05	FLOOR COVERING (TILE)	YES	NO	POOR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D05	PIPE INSULATION	NO	YES	FAIR	19	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D05	PIPE INSULATION	NO	YES	GOOD	100	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D05	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	5	EA	WHITE STICKY PIPE WRAP	AMIS
05D05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D05	WALL COVERING (DRYWALL)	NO	NO	FAIR	840	SF	DRYWALL/WALL BOARD	AMIS
05D05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D05A		YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D05A	DUCT/HVAC MATERIALS	YES	YES	POOR	16	SF	CLOTH FLEX JOINT GRAY & WHITE	AMIS
05D05A	PIPE INSULATION	NO	YES	GOOD	28	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
05D05A	PIPE INSULATION	NO	YES	GOOD	5	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
05D05A	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	1(NF)	LF	BLACK STICKY PIPE WIPE	AMIS
05D05A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05D05A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D05A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D05A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D05A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D06	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D06	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
05D06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D06	FLOOR COVERING (TILE)	YES	NO	FAIR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D06	PIPE INSULATION	NO	YES	GOOD	60	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D06	PIPE INSULATION	NO	YES	GOOD	100	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D06	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	5	LF	BLACK STICKY PIPE WIPE	AMIS
05D06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D06A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D06A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D06A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D06A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D06A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D06A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D06A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D06A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D07	CEILING MATERIALS (TILE)	NO	YES	POOR	330	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D07	CEILING MATERIALS (TILE)	NO	NO	GOOD	88	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D07	FLOOR COVERING (TILE)	YES	NO	FAIR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D07	PIPE INSULATION	NO	YES	GOOD	60	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D07	PIPE INSULATION	NO	YES	GOOD	50	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	3	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
05D07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D07A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D07A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05D07A	PIPE INSULATION	NO	YES	GOOD	6	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D07A	PIPE INSULATION	NO	YES	GOOD	30	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D07A	PIPE INSULATION	YES	YES	GOOD	6	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
05D07A	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	POOR	10	LF	BLACK STICKY PIPE WIPE	AMIS
05D07A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
05D07A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER ELBOW RET & SUPPLY CHILL MUDDED	AMIS
05D07A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	7	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
05D07A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
05D07A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D07A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D07A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D07A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D08	CEILING MATERIALS (TILE)	NO	YES	POOR	340	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D08	CEILING MATERIALS (TILE)	NO	YES	POOR	80	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D08	FLOOR COVERING (TILE)	YES	NO	POOR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D08	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D08	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D08	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
05D08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	40	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D08	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D08A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D08A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D08A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D08A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D08A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D08A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D09	CEILING MATERIALS (TILE)	NO	YES	FAIR	350	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D09	CEILING MATERIALS (TILE)	NO	YES	FAIR	60	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D09	FLOOR COVERING (TILE)	YES	NO	FAIR	440	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D09	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D09	PIPE INSULATION	NO	YES	GOOD	45	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D09	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05D09A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR		SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D09A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D09A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D09A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D09A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D09A	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
05D10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D10	CEILING MATERIALS (TILE)	NO	YES	POOR	205	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D10	CEILING MATERIALS (TILE)	NO	NO	GOOD	56	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05D10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D10	FLOOR COVERING (TILE)	YES	NO	FAIR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D10	PIPE INSULATION	NO	YES	GOOD	60	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D10	PIPE INSULATION	NO	YES	GOOD	70	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D10	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	25	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D10	WALL COVERING (DRYWALL)	NO	NO	GOOD	840	SF	DRYWALL/WALL BOARD	AMIS
05D10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	280	SF	SPACKLE JOINT MATERIAL	AMIS
05D10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	75	SF	DUCT MASTIC, WHITE ON PATCH MATERIAL	ATLAS
05D10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
05D10A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D10A	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
05D10A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
05D10A	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
05D11	CEILING MATERIALS (TILE)	NO	YES	POOR	280	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
05D11	CEILING MATERIALS (TILE)	NO	NO	GOOD	48	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05D11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D11	FLOOR COVERING (TILE)	YES	NO	FAIR	330	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D11	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D11	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D11	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
05D11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05D11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	76	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D11	WALL COVERING (DRYWALL)	NO	NO	GOOD	450	SF	DRYWALL/WALL BOARD	AMIS
05D11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	150	SF	SPACKLE JOINT MATERIAL	AMIS
05D11	WALL COVERING (PANELS)	YES	NO	GOOD	264	SF	WALL PANEL, TRANSITE	AMIS
05D11A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D11A	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05D11A	PIPE INSULATION	NO	YES	GOOD	8	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05D11A	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	3	LF	BLACK STICKY PIPE WIPE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05D11A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D11A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D11A	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
05D11A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
05D11A	WALL COVERING (PANELS)	YES	NO	GOOD	250	SF	WALL PANEL, TRANSITE	AMIS
05D13	CEILING MATERIALS (TILE)	NO	YES	FAIR	40	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
05D13	CEILING MATERIALS (TILE)	NO	YES	POOR	168	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
05D13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
05D13	FLOOR COVERING (TILE)	YES	NO	FAIR	315	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05D13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	72	LF	BROWN CAULK	AMIS
05D13	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
05D13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05D13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	72	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D13	WALL COVERING (DRYWALL)	NO	NO	GOOD	400	SF	DRYWALL/WALL BOARD	AMIS
05D13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	133	SF	SPACKLE JOINT MATERIAL	AMIS
05D13	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
05D13A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05D13A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05D13A	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
05D13A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
05D13A	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
05D13A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
05D13A	WALL COVERING (PANELS)	YES	NO	GOOD	250	SF	WALL PANEL, TRANSITE	AMIS
05DEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	10	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
05DEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
05DEL01	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
05DEL01	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
05DEL01	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
05DEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05DEL01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
05DEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	8	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05DEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	160	SF	DRYWALL/WALL BOARD	AMIS
05DEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	53	SF	SPACKLE JOINT MATERIAL	AMIS
05DH01	CEILING MATERIALS (TILE)	NO	NO	POOR	1,020	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05DH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05DH01	FLOOR COVERING (TILE)	YES	NO	FAIR	1,020	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05DH01	PIPE INSULATION	NO	YES	GOOD	400	LF	2-4" SH SUPPLY/RETURN	AMIS
05DH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	40	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05DH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	346	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05DH01	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,760	SF	DRYWALL/WALL BOARD	AMIS
05DH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	586	SF	SPACKLE JOINT MATERIAL	AMIS
05DH01	WALL COVERING (PANELS)	YES	NO	GOOD	1,700	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05DH02	CEILING MATERIALS (TILE)	NO	NO	POOR	300	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05DH02	FLOOR COVERING (TILE)	YES	NO	FAIR	300	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05DH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
05DH02	PIPE INSULATION	NO	YES	GOOD	22	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
05DH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05DH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05DH02	WALL COVERING (DRYWALL)	NO	NO	GOOD	210	SF	DRYWALL/WALL BOARD	AMIS
05DH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	70	SF	SPACKLE JOINT MATERIAL	AMIS
05DH03	CEILING MATERIALS (TILE)	NO	NO	POOR	55	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05DH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05DH03	FLOOR COVERING (TILE)	YES	NO	FAIR	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05DH03	PIPE INSULATION	NO	YES	GOOD	27	LF	2-4" SH SUPPLY/RETURN	AMIS
05DH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05DH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	22	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05DH03	WALL COVERING (DRYWALL)	NO	NO	GOOD	220	SF	DRYWALL/WALL BOARD	AMIS
05DH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	73	SF	SPACKLE JOINT MATERIAL	AMIS
05DH04	CEILING MATERIALS (TILE)	NO	NO	POOR	80	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
05DH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05DH04	FLOOR COVERING (TILE)	YES	NO	GOOD	80	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
05DH04	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
05DH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
05DH04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	42	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05DH04	WALL COVERING (DRYWALL)	NO	NO	GOOD	370	SF	DRYWALL/WALL BOARD	AMIS
05DH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	123	SF	SPACKLE JOINT MATERIAL	AMIS
06D (ELEVATOR LOBBY)	FLOOR COVERING (OTHER)	NO	NO	GOOD	8	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
06D (ELEVATOR LOBBY)	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
06D (ELEVATOR LOBBY)	PIPE INSULATION	NO	YES	GOOD	45	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06D (ELEVATOR LOBBY)	PIPE INSULATION	NO	YES	GOOD	45	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06D (ELEVATOR LOBBY)	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D (ELEVATOR LOBBY)	WALL COVERING (BASEBOARD)	NO	NO	GOOD	9	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D (ELEVATOR LOBBY)	WALL COVERING (DRYWALL)	NO	NO	GOOD	200	SF	DRYWALL/WALL BOARD	AMIS
06D (ELEVATOR LOBBY)	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	67	SF	SPACKLE JOINT MATERIAL	AMIS
06D (MAIN HALL)	CEILING MATERIALS (TILE)	NO	YES	GOOD	1,020	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D (MAIN HALL)	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D (MAIN HALL)	FLOOR COVERING (TILE)	YES	NO	POOR	1,020	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D (MAIN HALL)	PIPE INSULATION	NO	YES	GOOD	400	LF	2-4" SH SUPPLY/RETURN	AMIS
06D (MAIN HALL)	PIPE INSULATION	NO	YES	GOOD	12	LF	WHITE MASTIC OVER FOAM GLASS CHILL WATER LINES, 6"OD	AMIS
06D (MAIN HALL)	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	100	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D (MAIN HALL)	WALL COVERING (BASEBOARD)	NO	NO	GOOD	350	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D (MAIN HALL)	WALL COVERING (DRYWALL)	NO	NO	FAIR	2,720	SF	DRYWALL/WALL BOARD	AMIS
06D (MAIN HALL)	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	907	SF	SPACKLE JOINT MATERIAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D (SHORT HALL)	CEILING MATERIALS (TILE)	NO	NO	GOOD	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D (SHORT HALL)	FLOOR COVERING (TILE)	YES	NO	POOR	380	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D (SHORT HALL)	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
06D (SHORT HALL)	PIPE INSULATION	NO	YES	FAIR	12	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06D (SHORT HALL)	PIPE INSULATION	NO	YES	GOOD	105	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06D (SHORT HALL)	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D (SHORT HALL)	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
06D (SHORT HALL)	WALL COVERING (BASEBOARD)	NO	NO	FAIR	115	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D (SHORT HALL)	WALL COVERING (DRYWALL)	NO	NO	POOR	180	SF	DRYWALL/WALL BOARD	AMIS
06D (SHORT HALL)	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	60	SF	SPACKLE JOINT MATERIAL	AMIS
06D (SHORT HALL)	WALL COVERING (PANELS)	YES	NO	GOOD	50	SF	WALL PANEL, TRANSITE	AMIS
06D01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	62	LF	GRAY BUILDING SEAL	AMIS
06D01	PIPE INSULATION	NO	YES	GOOD	22	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06D01	PIPE INSULATION	NO	YES	GOOD	22	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06D01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	GRAY MASTIC O/FIBERGLASS VALVES AND ELBOWS	AMIS
06D01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	62	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D01B	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	12	SF	GRAY BUILDING SEAL	AMIS
06D01B	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	1	SF	GASKET - FLOOR PENETRATION	AMIS
06D02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	70	LF	GRAY BUILDING SEAL	AMIS
06D03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	24	LF	GRAY BUILDING SEAL	AMIS
06D03	PIPE INSULATION	NO	YES	GOOD	16	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06D03	PIPE INSULATION	NO	YES	GOOD	16	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06D03	PIPE INSULATION	NO	YES	GOOD	16	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06D03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	GRAY MASTIC O/FIBERGLASS VALVES AND ELBOWS	AMIS
06D03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	24	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D04	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	52	LF	GRAY BUILDING SEAL	AMIS
06D04	PIPE INSULATION	NO	YES	GOOD	3	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06D04	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06D04	PIPE INSULATION	NO	YES	GOOD	45	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	GRAY MASTIC O/FIBERGLASS VALVES AND ELBOWS	AMIS
06D04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D05	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D05	CEILING MATERIALS (TILE)	NO	NO	POOR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D05	FLOOR COVERING (TILE)	YES	NO	POOR	165	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D05	PIPE INSULATION	NO	YES	POOR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
06D05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	18	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	26	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D05	WALL COVERING (DRYWALL)	NO	NO	POOR	200	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
06D05	WALL COVERING (PANELS)	YES	NO	GOOD	20	SF	WALL PANEL, TRANSITE	AMIS
06D06	PIPE INSULATION	NO	YES	GOOD	44	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	ATLAS
06D06	CEILING MATERIALS (TILE)	NO	YES	GOOD	22	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	ATLAS
06D06	CEILING MATERIALS (TILE)	NO	NO	GOOD	12	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D06	FLOOR COVERING (TILE)	YES	NO	FAIR	330	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	FAIR	74	LF	BROWN CAULK	AMIS
06D06	PIPE INSULATION	NO	YES	GOOD	12 (NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
06D06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8 (NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D06	WALL COVERING (BASEBOARD)	NO	NO	POOR	74	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	520	SF	DRYWALL/WALL BOARD	AMIS
06D06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	173	SF	SPACKLE JOINT MATERIAL	AMIS
06D06	WALL COVERING (PANELS)	YES	NO	GOOD	220	SF	WALL PANEL, TRANSITE	AMIS
06D07	CEILING MATERIALS (TILE)	NO	NO	FAIR	325	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	20	SF	2' X 4' RANDOM PIN HOLE	AMIS
06D07	CEILING MATERIALS (TILE)	NO	YES	FAIR	12	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
06D07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D07	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
06D07	FLOOR COVERING (TILE)	YES	NO	FAIR	360	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	78	LF	BROWN CAULK	AMIS
06D07	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
06D07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	78	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D07	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
06D07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
06D07	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
06D08	CEILING MATERIALS (TILE)	NO	NO	FAIR	180	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D08	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D08	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
06D08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
06D08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D08	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D08	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
06D10A	CEILING MATERIALS (TILE)	NO	NO	FAIR		SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D10A	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D10A	FLOOR COVERING (TILE)	YES	NO	GOOD	210	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D10A	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	44	LF	BROWN CAULK	AMIS
06D10A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	43	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D10A	WALL COVERING (DRYWALL)	NO	NO	GOOD	290	SF	DRYWALL/WALL BOARD	AMIS
06D10A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	95	SF	SPACKLE JOINT MATERIAL	AMIS
06D10A	WALL COVERING (PANELS)	YES	NO	GOOD	140	SF	WALL PANEL, TRANSITE	AMIS
06D10B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D10B	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D10B	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D10B	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D10B	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
06D10B	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D10B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D10B	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
06D10B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
06D10B	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
06D11	CEILING MATERIALS (TILE)	NO	NO	FAIR	315	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D11	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
06D11	FLOOR COVERING (TILE)	YES	NO	GOOD	15	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
06D11	FLOOR COVERING (TILE)	YES	NO	GOOD	315	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	78	LF	BROWN CAULK	AMIS
06D11	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" SH SUPPLY/RETURN	AMIS
06D11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	78	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D11	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
06D11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
06D11	WALL COVERING (PANELS)	YES	NO	GOOD	300	SF	WALL PANEL, TRANSITE	AMIS
06D12	CEILING MATERIALS (TILE)	NO	NO	FAIR	180	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D12	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D12	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D12	WALL COVERING (PANELS)	YES	NO	GOOD	140	SF	WALL PANEL, TRANSITE	AMIS
06D15	CEILING MATERIALS (TILE)	NO	NO	FAIR	180	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D15	FLOOR COVERING (OTHER)	YES	NO	FAIR	3	LF	BLACK EDGE STRIPING	AMIS
06D15	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D15	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D15	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D15	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
06D16	CEILING MATERIALS (TILE)	NO	NO	FAIR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D16	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D16	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D16	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
06D17	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D17	FLOOR COVERING (TILE)	YES	NO	GOOD	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06D17	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
06D17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D17	WALL COVERING (DRYWALL)	NO	NO	GOOD	490	SF	DRYWALL/WALL BOARD	AMIS
06D17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	163	SF	SPACKLE JOINT MATERIAL	AMIS
06D17	WALL COVERING (PANELS)	YES	NO	GOOD	210	SF	WALL PANEL, TRANSITE	AMIS
06D18	CEILING MATERIALS (TILE)	NO	NO	FAIR	180	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D18	CEILING MATERIALS (TILE)	NO	NO	FAIR	160	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D18	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D18	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D18	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D18	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
06D20/06D20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D20/06D20	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
06D20/06D20	FLOOR COVERING (TILE)	YES	NO	GOOD	15	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
06D20/06D20	FLOOR COVERING (TILE)	YES	NO	GOOD	315	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D20/06D20	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	78	LF	BROWN CAULK	AMIS
06D20/06D20	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
06D20/06D20	PIPE INSULATION	NO	YES	GOOD	50	LF	WHITE MASTIC OVER FOAM GLASS CHILL WATER LINES, 6"OD	AMIS
06D20/06D20	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D20/06D20	VALVES, ELBOWS, TEE'S (MUD)	NO	NO	GOOD	4	EA	8" OUTER DIAMETER WHITE MASTIC OVER FOAM GLASS ON CHILL H20	AMIS
06D20/06D20	WALL COVERING (BASEBOARD)	NO	NO	GOOD	78	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D20/06D20	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
06D20/06D20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
06D20/06D20	WALL COVERING (PANELS)	YES	NO	GOOD	290	SF	WALL PANEL, TRANSITE	AMIS
06D21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D21	FLOOR COVERING (OTHER)	YES	NO	FAIR	3	LF	BLACK EDGE STRIPING	AMIS
06D21	FLOOR COVERING (TILE)	YES	NO	GOOD	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D21	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06D21	PIPE INSULATION	NO	YES	GOOD	19	LF	2-4" SH SUPPLY/RETURN	AMIS
06D21	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D21	WALL COVERING (DRYWALL)	NO	NO	GOOD	490	SF	DRYWALL/WALL BOARD	AMIS
06D21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	163	SF	SPACKLE JOINT MATERIAL	AMIS
06D21	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
06D23	CEILING MATERIALS (TILE)	NO	NO	POOR	180	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D23	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D23	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06D23	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D23	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	54	LF	BROWN CAULK	AMIS
06D23	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
06D23	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D23	WALL COVERING (DRYWALL)	NO	NO	GOOD	420	SF	DRYWALL/WALL BOARD	AMIS
06D23	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
06D23	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
06D24/06D26	CEILING MATERIALS (TILE)	NO	NO	FAIR	125	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D24/06D26	CEILING MATERIALS (TILE)	NO	NO	FAIR	250	SF	CEILING TILE, SUSPENDED,2"X4", TEXTURE AND PINHOLES, WHITE	ATLAS
06D24/06D26	CEILING MATERIALS (TILE)	NO	NO	POOR	80	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D24/06D26	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D24/06D26	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
06D24/06D26	FLOOR COVERING (TILE)	YES	NO	GOOD	15	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
06D24/06D26	FLOOR COVERING (TILE)	YES	NO	GOOD	465	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D24/06D26	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	94	LF	BROWN CAULK	AMIS
06D24/06D26	PIPE INSULATION	NO	YES	GOOD	60	LF	WHITE MASTIC OVER FOAM GLASS CHILL WATER LINES, 6"OD	AMIS
06D24/06D26	VALVES, ELBOWS, TEE'S (MUD)	NO	NO	POOR	12	EA	8" OUTER DIAMETER WHITE MASTIC OVER FOAM GLASS ON CHILL H20	AMIS
06D24/06D26	WALL COVERING (BASEBOARD)	NO	NO	GOOD	94	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D24/06D26	WALL COVERING (DRYWALL)	NO	NO	GOOD	310	SF	DRYWALL/WALL BOARD	AMIS
06D24/06D26	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	103	SF	SPACKLE JOINT MATERIAL	AMIS
06D24/06D26	WALL COVERING (PANELS)	YES	NO	GOOD	510	SF	WALL PANEL, TRANSITE	AMIS
06D25	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D25	FLOOR COVERING (OTHER)	YES	NO	POOR	6	LF	BLACK EDGE STRIPING	AMIS
06D25	FLOOR COVERING (TILE)	YES	NO	GOOD	15	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
06D25	FLOOR COVERING (TILE)	YES	NO	GOOD	315	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D25	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	78	LF	BROWN CAULK	AMIS
06D25	PIPE INSULATION	NO	YES	FAIR	50	LF	2-4" SH SUPPLY/RETURN	AMIS
06D25	PIPE INSULATION	NO	YES	GOOD	30	LF	WHITE MASTIC OVER FOAM GLASS CHILL WATER LINES, 6"OD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06D25	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	16	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D25	VALVES, ELBOWS, TEE'S (MUD)	NO	NO	GOOD	4	EA	8" OUTER DIAMETER WHITE MASTIC OVER FOAM GLASS ON CHILL H20	AMIS
06D25	WALL COVERING (BASEBOARD)	NO	NO	GOOD	78	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D25	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
06D25	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
06D25	WALL COVERING (PANELS)	YES	NO	GOOD	290	SF	WALL PANEL, TRANSITE	AMIS
06D28	CEILING MATERIALS (TILE)	NO	NO	FAIR	200	SF	CEILING TILE, SUSPENDED,2"X4", SMOOTH, WHITE	ATLAS
06D28	CEILING MATERIALS (TILE)	NO	NO	POOR	70	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06D28	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06D28	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
06D28	FLOOR COVERING (TILE)	YES	NO	GOOD	15	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
06D28	FLOOR COVERING (TILE)	YES	NO	GOOD	465	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
06D28	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	94	LF	BROWN CAULK	AMIS
06D28	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
06D28	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06D28	WALL COVERING (BASEBOARD)	NO	NO	GOOD	94	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06D28	WALL COVERING (DRYWALL)	NO	NO	GOOD	224	SF	DRYWALL/WALL BOARD	AMIS
06D28	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	103	SF	SPACKLE JOINT MATERIAL	AMIS
06D28	WALL COVERING (PANELS)	YES	NO	GOOD	510	SF	WALL PANEL, TRANSITE	AMIS
25D04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25D04	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25D04	FLOOR COVERING (TILE)	YES	NO	GOOD	360	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25D04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	78	LF	BROWN CAULK	AMIS
25D04	WALL COVERING (BASEBOARD)	NO	NO	FAIR	78	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25D04	WALL COVERING (DRYWALL)	NO	NO	GOOD	540	SF	DRYWALL/WALL BOARD	AMIS
25D04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
25D04	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
25D05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25D05	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
25D05	FLOOR COVERING (TILE)	YES	NO	GOOD	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25D05	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	106	LF	BROWN CAULK	AMIS
25D05	PIPE INSULATION	NO	YES	GOOD	38	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25D05	WALL COVERING (BASEBOARD)	NO	NO	FAIR	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25D05	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
25D05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	227	SF	SPACKLE JOINT MATERIAL	AMIS
25D05	WALL COVERING (PANELS)	YES	NO	GOOD	500	SF	WALL PANEL, TRANSITE	AMIS
25D06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25D06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25D06	FLOOR COVERING (TILE)	YES	NO	GOOD	135	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25D06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	48	LF	BROWN CAULK	AMIS
25D06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	48	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25D06	WALL COVERING (DRYWALL)	NO	NO	GOOD	390	SF	DRYWALL/WALL BOARD	AMIS
25D06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS
25D06	WALL COVERING (PANELS)	YES	NO	GOOD	90	SF	WALL PANEL, TRANSITE	AMIS
25DEL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	BLACK BUILDING SEAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25DEL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	BLACK BUILDING SEAL	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	36	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	36	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	72	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	72	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	36	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25DEL	PIPE INSULATION	NO	YES	GOOD	36	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25DEL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25DEL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25DEL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
25DEL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
25DEL	WALL COVERING (DRYWALL)	NO	NO	GOOD	40	SF	DRYWALL/WALL BOARD	AMIS
25DEL	WALL COVERING (DRYWALL)	NO	NO	GOOD	40	SF	DRYWALL/WALL BOARD	AMIS
25DEL	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS
25DEL	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS
25DH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	EA	MASTIC, BLACK ON PIPING ABOVE DROP CEILING(TEE'S & ELBOWS)	ATLAS
25DH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	684	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25DH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	6	EA	BROWN MASTIC PIPE FITTINGS(Black mastic was found, not brown on DM water , samples under TI05	AMIS
25DH01	FLOOR COVERING (TILE)	YES	NO	POOR	684	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25DH01	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" H20 SUPPLY/RETURN	AMIS
25DH01	PIPE INSULATION	NO	YES	FAIR	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
25DH01	PIPE INSULATION	NO	YES	FAIR	45	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25DH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	MUDDED ELBOW	AMIS
25DH01	WALL COVERING (DRYWALL)	NO	NO	POOR	472	SF	DRYWALL/WALL BOARD	AMIS
25DH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	151	SF	SPACKLE JOINT MATERIAL	AMIS
25DH01	WALL COVERING (PANELS)	YES	NO	GOOD	110	SF	WALL PANEL, TRANSITE	AMIS
25DH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25DH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25DH02	FLOOR COVERING (TILE)	YES	NO	POOR	300	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25DH02	WALL COVERING (DRYWALL)	NO	NO	POOR	900	SF	DRYWALL/WALL BOARD	AMIS
25DH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	300	SF	SPACKLE JOINT MATERIAL	AMIS
25DH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25DH03	FLOOR COVERING (TILE)	YES	NO	POOR	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25DH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	25	LF	BROWN CAULK	AMIS
25DH03	WALL COVERING (BASEBOARD)	NO	NO	POOR	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25DH03	WALL COVERING (DRYWALL)	NO	NO	GOOD	390	SF	DRYWALL/WALL BOARD	AMIS
25DH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS

NF - NOT FOUND

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01 E02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	88	LF	GRAY BUILDING SEAL	AMIS
01 E03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2 (NF)	SF	BLACK BUILDING SEAL	AMIS
01E03A	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	96	LF	GRAY BUILDING SEAL	AMIS
01 E04	CEILING MATERIALS (TILE)	NO	YES	GOOD	136	SF	2' X 2' CHIPPED PINHOLE CT	AMIS
01 E04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E04	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
01 E04	FLOOR COVERING (TILE)	YES	NO	GOOD	64(NF)	SF	12" X 12" BLUE FLOOR TILE	AMIS
01 E04	FLOOR COVERING (TILE)	NO	NO	GOOD	140	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
01 E04	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E04	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E04	PIPE INSULATION	NO	YES	GOOD	15	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
01 E04	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
01 E04	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
01 E04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	GRAY VINYL BASEBOARD	AMIS
01 E04	WALL COVERING (DRYWALL)	NO	NO	GOOD	384(NF)	SF	DRYWALL, NEW	AMIS
01 E04	WALL COVERING (SPACKLE, JOINT COMPOUND)	NO	YES	GOOD	192(NF)	SF	SPACKLE, ON NEW DRYWALL	AMIS
01E04A	CEILING MATERIALS (TILE)	NO	YES	GOOD	120	SF	2' X 2' CHIPPED PINHOLE CT	AMIS
01E04A	FLOOR COVERING (TILE)	YES	NO	GOOD	60	SF	12" X 12" BLUE FLOOR TILE	AMIS
01E04A	FLOOR COVERING (TILE)	NO	NO	GOOD	60	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
01E04A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	GRAY VINYL BASEBOARD	AMIS
01 E05	CEILING MATERIALS (TILE)	NO	YES	GOOD	112	SF	2' X 2' CHIPPED PINHOLE CT	AMIS
01 E05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E05	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
01 E05	FLOOR COVERING (TILE)	YES	NO	GOOD	56	SF	12" X 12" BLUE FLOOR TILE	AMIS
01 E05	FLOOR COVERING (TILE)	NO	NO	GOOD	56	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
01 E05	PIPE INSULATION	NO	YES	GOOD	10	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E05	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E05	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
01 E05	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
01 E05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	44	LF	GRAY VINYL BASEBOARD	AMIS
01 E05	WALL COVERING (DRYWALL)	NO	NO	GOOD	362	SF	DRYWALL, NEW	AMIS
01 E05	WALL COVERING (SPACKLE, JOINT COMPOUND)	NO	YES	GOOD	120	SF	SPACKLE, ON NEW DRYWALL	AMIS
01 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	272	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 E06	PIPE INSULATION	NO	YES	GOOD	15	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	ATLAS
01 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	150	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	ATLAS
01 E06	WALL COVERING (DRYWALL)	NO	YES	FAIR	300	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
01 E06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	75	LF	BLACK VINYL BASEBOARD WITH MASTIC	ATLAS
01 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	400	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	ATLAS
01 E07	CEILING MATERIALS (TILE)	NO	NO	GOOD	392	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	WHITE AC DUCT MASTIC	AMIS
01 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30(NF)	SF	BROWN MASTIC OVER AC DUCT & PIPE FITTINGS	AMIS
01 E07	FLOOR COVERING (TILE)	NO	NO	GOOD	392	SF	12" X 12" MARBLED BEIGE & CREAM FLOOR TILE	AMIS
01 E07	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
01 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	20(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E08	FLOOR COVERING (TILE)	YES	NO	GOOD	78	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	38	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E09	FLOOR COVERING (TILE)	YES	NO	GOOD	78	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	38	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E11	CEILING MATERIALS (TILE)	NO	YES	GOOD	140	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E11	FLOOR COVERING (TILE)	YES	NO	GOOD	140	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E11	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
01 E11	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E11	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	48	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E12	CEILING MATERIALS (TILE)	NO	YES	GOOD	121	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	16	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E12	FLOOR COVERING (TILE)	YES	NO	GOOD	121	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E12	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E12	WALL COVERING (PANELS)	YES	NO	GOOD	6	SF	WHITE TRANSITE WALL PANEL WITH HOLES.	AMIS
01 E13	CEILING MATERIALS (TILE)	NO	YES	GOOD	140	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E13	FLOOR COVERING (TILE)	YES	NO	GOOD	140	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E13	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
01 E13	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E13	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E13	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E13	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	48	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E14	CEILING MATERIALS (TILE)	NO	YES	GOOD	72	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E14	FLOOR COVERING (TILE)	YES	NO	GOOD	72	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E14	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	34	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E15	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	ATLAS
01 E15	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	ATLAS
01 E15	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	ATLAS
01 E15	PIPE INSULATION	NO	YES	GOOD	20	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	ATLAS
01 E15	CEILING MATERIALS (TILE)	NO	YES	GOOD	50	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
01 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	5	SF	BROWN MASTIC OVER AC DUCT & PIPE FITTINGS	AMIS
01 E15	FLOOR COVERING (TILE)	NO	NO	FAIR	50	SF	12" X 12" MARBLED BEIGE & CREAM FLOOR TILE	AMIS
01 E15	PIPE INSULATION	NO	YES	FAIR	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E16	CEILING MATERIALS (TILE)	NO	YES	GOOD	50	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E16	CEILING MATERIALS (TILE)	NO	YES	GOOD	120	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E16	FLOOR COVERING (TILE)	YES	NO	GOOD	120	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E16	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01 E16	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E16	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E16	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	MUDDED ELBOW	AMIS
01 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	44	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E17	CEILING MATERIALS (TILE)	NO	YES	GOOD	96	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E17	CEILING MATERIALS (TILE)	NO	NO	GOOD	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 E17	PIPE INSULATION	NO	YES	GOOD	10	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	ATLAS
01 E17	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	ATLAS
01 E17	CEILING MATERIALS (TILE)	NO	YES	GOOD	100	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E17	FLOOR COVERING (TILE)	YES	NO	GOOD	100(NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E17	PIPE INSULATION	NO	YES	GOOD	10	SF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E18	CEILING MATERIALS (TILE)	NO	YES	GOOD	265	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E18	CEILING MATERIALS (TILE)	NO	YES	GOOD	270(NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E18	FLOOR COVERING (TILE)	YES	NO	GOOD	265	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E18	PIPE INSULATION	NO	YES	GOOD	30	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
01 E18	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
01 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E19	CEILING MATERIALS (TILE)	NO	YES	GOOD	126	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E19	CEILING MATERIALS (TILE)	NO	NO	GOOD	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 E19	CEILING MATERIALS (TILE)	NO	YES	GOOD	100(NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E19	FLOOR COVERING (TILE)	YES	NO	NULL	130	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E19	PIPE INSULATION	NO	YES	GOOD	25	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E19	WALL COVERING (PANELS)	YES	NO	GOOD	8	SF	WALL PANEL, TRANSITE	AMIS
01E19A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01E19A	PIPE INSULATION	NO	YES	GOOD	40	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01E19A	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
01E19A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	11	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E21	FLOOR COVERING (TILE)	YES	NO	GOOD	500	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E22	CEILING MATERIALS (TILE)	NO	YES	GOOD	32	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E22	PIPE INSULATION	NO	YES	FAIR	40	LF	4" OUTER DIAMETER CHILL H20 CANVAS/PAPER/FBGLASS	ATLAS
01 E22	CEILING MATERIALS (TILE)	NO	NO	GOOD	519	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01 E22	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E22	FLOOR COVERING (TILE)	YES	NO	ABATED	0	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E22	FLOOR COVERING (TILE)	YES	NO	GOOD	160	SF	12" X 12" MARBLED BEIGE & CREAM FLOOR TILE	AMIS
01 E22	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	10	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01 E22	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	5	LF	GRAY SEAL W/FOAM BACKING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01 E22	PIPE INSULATION	NO	YES	GOOD	75	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
01 E22	PIPE INSULATION	NO	YES	GOOD	75	LF	2-4" SH SUPPLY/RETURN	AMIS
01 E22	PIPE INSULATION	NO	YES	GOOD	80	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
01 E22	PIPE INSULATION	NO	NO	GOOD	75	LF	6-8" HOT WATER SUPPLY/RETURN PAPER OVER MASTIC OVER FIBERGLASS	AMIS
01 E22	PIPE INSULATION	NO	NO	GOOD	30	LF	4-6" CHILLED WATER SUPPLY/RETURN PAPER OVER MASTIC OVER FIBERGLASS	AMIS
01 E22	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	20	LF	BLACK STICKY PIPE WIPE	AMIS
01 E22	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	100	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
01 E22	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
01 E22	ELBOWS, VALVES, TEE'S (OTHER)	NO	NO	GOOD	18	EA	6-8" HOT WATER SUPPLY/RETURN VINYL OVER MASTIC OVER FIBERGLASS (ELBOWS)	AMIS
01 E22	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	4-6" CHILLED WATER SUPPLY/RETURN VINYL OVER MASTIC OVER FIBERGLASS (ELBOW)	AMIS
01 E22	VALVES, ELBOWS, TEE'S (MUD)	NO	NO	GOOD	1	EA	8" OUTER DIAMETER VALVE & FLANGE MASTIC WHITE OVER FOAM GLS CH H20	AMIS
01 E22	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	6-8" MUDDED TEE ON HOT WATER SUPPLY/RETURN	AMIS
01 E22	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E22	WALL COVERING (PANELS)	YES	NO	GOOD	70	SF	WALL PANEL, TRANSITE	AMIS
10 E22	CEILING MATERIALS (TILE)	NO	YES	GOOD	570 (NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
10 E22	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E23	CEILING MATERIALS (TILE)	NO	YES	GOOD	530	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E23	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 E23	FLOOR COVERING (TILE)	YES	NO	GOOD	535	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E23	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
01 E23	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E23	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
01 E23	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E23	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E23	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	1 1/2" OUTER DIAMETER HOT H20 RETURN ELBOW	AMIS
01 E23	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E24	CEILING MATERIALS (TILE)	NO	YES	GOOD	32	SF	2' X 4' RANDOM PIN HOLE	ATLAS
01 E24	CEILING MATERIALS (TILE)	NO	NO	GOOD	535	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01 E24	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	160	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E24	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
01 E24	FLOOR COVERING (TILE)	YES	NO	ABATED	0	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E24	FLOOR COVERING (TILE)	NO	NO	GOOD	20 (NF)	SF	12" X 12" MARBLED BEIGE & CREAM FLOOR TILE	AMIS
01 E24	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	20	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01 E24	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	10	SF	GRAY SEAL W/FOAM BACKING	AMIS
01 E24	PIPE INSULATION	NO	YES	GOOD	140	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
01 E24	PIPE INSULATION	NO	YES	GOOD	100	LF	2-4" SH SUPPLY/RETURN	AMIS
01 E24	PIPE INSULATION	NO	YES	GOOD	50	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E24	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
01 E24	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E25	CEILING MATERIALS (TILE)	NO	YES	GOOD	480 (NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E25	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01 E25	FLOOR COVERING (TILE)	YES	NO	GOOD	480	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E25	PIPE INSULATION	NO	YES	GOOD	15	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
01 E25	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 E26	CEILING MATERIALS (TILE)	NO	YES	GOOD	372	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
01 E26	CEILING MATERIALS (TILE)	NO	NO	GOOD	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
01 E26	CEILING MATERIALS (TILE)	NO	YES	GOOD	8	SF	2' X 4' RANDOM PIN HOLE	AMIS
01 E26	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	160	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
01 E26	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
01 E26	FLOOR COVERING (TILE)	YES	NO	ABATED	0	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
01 E26	MISCELLANEOUS (BUILDING SEAL)	NO	YES	GOOD	20	LF	GRAY BLDG.SEAL W/FIBROUS DARK BROWN BACKING	AMIS
01 E26	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	10	SF	GRAY SEAL W/FOAM BACKING	AMIS
01 E26	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
01 E26	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
01 E26	WALL COVERING (BASEBOARD)	NO	NO	GOOD	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
01 EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	670	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE (TILE REMOVED MASTIC ONLY)	ATLAS
01 EH01	PIPE INSULATION	NO	YES	GOOD	60	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	ATLAS
01 EH01	PIPE INSULATION	NO	YES	GOOD	50	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	ATLAS
01 EH01	PIPE INSULATION	NO	YES	GOOD	25	LF	2" OUTER DIAMETER CONDENSATE DRAIN	ATLAS
01 EH01	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	ATLAS
01 EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	ATLAS
01 EH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	280	LF	BLACK VINYL BASEBOARD WITH MASTIC	ATLAS
01 EH01	CEILING MATERIALS (TILE)	NO	NO	GOOD	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 EH01	CEILING MATERIALS (TILE)	NO	YES	GOOD	670	SF	2' X 4' RANDOM PIN HOLE	ATLAS
01 EH02	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	ATLAS
01 EH02	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	ATLAS
01 EH02	CEILING MATERIALS (TILE)	NO	NO	GOOD	175	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
01 EH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	ATLAS
01 EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	30	LF	GRAY BUILDING SEAL	ATLAS
01 EH02	CEILING MATERIALS (TILE)	NO	YES	GOOD	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
01E27EL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	2	SF	BLACK BUILDING SEAL	AMIS
01E28EL	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
01E28EL	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	6	EA	BROWN MASTIC OVER AC DUCT & PIPE FITTINGS	AMIS
01E28EL	MISCELLANEOUS MATERIAL (DEBRIS)	NO	YES	FAIR	1	EA	BLCK DEBRIS FROM MUDDED ELBOW BEHIND SINK	AMIS
01E28EL	PIPE INSULATION	NO	YES	GOOD	80	LF	2-4" SH SUPPLY/RETURN	AMIS
01E28EL	PIPE INSULATION	NO	YES	FAIR	40	LF	4" OUTER DIAMETER CHILL H20 CANVAS/PAPER/FBGLASS	AMIS
01E28EL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
01E28EL	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	5	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
02 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	1,044	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
02 E06	CEILING MATERIALS (TILE)	NO	YES	FAIR	64	SF	2'X4' Random Pin Hole	ATLAS
02 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02 E06	CEILING MATERIALS (TILE)	NO	YES	GOOD	112 (NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	625	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	1,140	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	136	LF	BROWN CAULK	AMIS
02 E06	PIPE INSULATION	NO	YES	FAIR	100	LF	2-4" SH SUPPLY/RETURN	AMIS
02 E06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	136	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E06	WALL COVERING (DRYWALL)	NO	NO	FAIR	980	SF	DRYWALL/WALL BOARD	AMIS
02 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	325	SF	SPACKLE JOINT MATERIAL	AMIS
02 E06	WALL COVERING (PANELS)	YES	NO	GOOD	430	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	1,130	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	10	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02 E07	CEILING MATERIALS (TILE)	NO	YES	GOOD	32 (NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	90	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	1,140	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	140	LF	BROWN CAULK	AMIS
02 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	150	SF	CHOCOLATE BROWN MASTIC UNDER WALL TILES	AMIS
02 E07	PIPE INSULATION	NO	YES	FAIR	80	LF	2-4" SH SUPPLY/RETURN	AMIS
02 E07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	140	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	980	SF	DRYWALL/WALL BOARD	AMIS
02 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	325	SF	SPACKLE JOINT MATERIAL	AMIS
02 E07	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
02 E07	WALL COVERING (TILE)	NO	YES	FAIR	115	SF	12" WHITE W/FISSURE & HOLES	AMIS
02 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	1,100	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02 E08	CEILING MATERIALS (TILE)	NO	YES	POOR	20	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	1,140	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	140	LF	BROWN CAULK	AMIS
02 E08	PIPE INSULATION	NO	YES	FAIR	90	LF	2-4" SH SUPPLY/RETURN	AMIS
02 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	980	SF	DRYWALL/WALL BOARD	AMIS
02 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	325	SF	SPACKLE JOINT MATERIAL	AMIS
02 E08	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
02 E09	CEILING MATERIALS (TILE)	NO	NO	POOR	845	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02 E09	CEILING MATERIALS (TILE)	NO	NO	POOR	25	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02 E09	CEILING MATERIALS (TILE)	NO	YES	GOOD	8 (NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	870	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	120	LF	BROWN CAULK	AMIS
02 E09	PIPE INSULATION	NO	YES	FAIR	80	LF	2-4" SH SUPPLY/RETURN	AMIS
02 E09	PIPE INSULATION	NO	YES	ABATED	12 (NF)	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
02 E09	PIPE INSULATION	NO	YES	ABATED	12 (NF)	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
02 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	120	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	890	SF	DRYWALL/WALL BOARD	AMIS
02 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	300	SF	SPACKLE JOINT MATERIAL	AMIS
02 E09	WALL COVERING (PANELS)	YES	NO	GOOD	350	SF	WALL PANEL, TRANSITE	AMIS
02 E10	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	4	SF	BLACK BUILDING SEAL	AMIS
02 E10	PIPE INSULATION	NO	YES	FAIR	100	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	15	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
02 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	830	SF	DRYWALL/WALL BOARD	AMIS
02 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	275	SF	SPACKLE JOINT MATERIAL	AMIS
02 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	390	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	65	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	390	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E11	MISCELLANEOUS (BUILDING SEAL)	YES	NO	GOOD	25	LF	KHAKI BUILDING SEAL	AMIS
02 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	85	LF	BROWN CAULK	AMIS
02 E11	PIPE INSULATION	NO	YES	POOR	35	LF	2-4" SH SUPPLY/RETURN	AMIS
02 E11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	85	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	250	SF	DRYWALL/WALL BOARD	AMIS
02 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	85	SF	SPACKLE JOINT MATERIAL	AMIS
02 E11	WALL COVERING (PANELS)	YES	NO	GOOD	500	SF	WALL PANEL, TRANSITE	AMIS
02 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	10	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	425	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	7	SF	SILVER DUCT MASTIC ON AC	AMIS
02 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
02 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	435	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
02 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	420	SF	DRYWALL/WALL BOARD	AMIS
02 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
02 E12	WALL COVERING (PANELS)	YES	NO	GOOD	290	SF	WALL PANEL, TRANSITE	AMIS
02E E STAIRWELL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	56	LF	GRAY BUILDING SEAL	AMIS
02E E STAIRWELL	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	1	EA	GASKET - FLOOR PENETRATION	AMIS
02E W STAIRWELL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	54	LF	GRAY BUILDING SEAL	AMIS
02E W STAIRWELL	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	2	EA	GASKET - FLOOR PENETRATION	AMIS
02E01D	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
02E01D	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
02E01D	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
02E01D	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02E01D	WALL COVERING (DRYWALL)	NO	NO	GOOD	160	SF	DRYWALL/WALL BOARD	AMIS
02E01D	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	55	SF	SPACKLE JOINT MATERIAL	AMIS
02E01E	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02E01E	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	4	SF	BLACK BUILDING SEAL	AMIS
02E01E	WALL COVERING (BASEBOARD)	NO	NO	GOOD	8	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02E01E	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
02E01E	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
02EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	695	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
02EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	715	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02EH01	MISCELLANEOUS (BUILDING SEAL)	YES	NO	GOOD	142	LF	KHAKI BUILDING SEAL	AMIS
02EH01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	3	LF	WHITE BUILDING SEAL	AMIS
02EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	290	LF	BROWN CAULK	AMIS
02EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	290	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	1,430	SF	DRYWALL/WALL BOARD	AMIS
02EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	480	SF	SPACKLE JOINT MATERIAL	AMIS
02EH01	WALL COVERING (PANELS)	YES	NO	GOOD	1,720	SF	WALL PANEL, TRANSITE	AMIS
02EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	310	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	60	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02EH02	CEILING MATERIALS (TILE)	NO	YES	GOOD	8 (NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
02EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	55	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	370	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
02EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
02EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	2	SF	OFF-WHITE CAULK	AMIS
02EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	400	SF	DRYWALL/WALL BOARD	AMIS
02EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	135	SF	SPACKLE JOINT MATERIAL	AMIS
02EH03	CEILING MATERIALS (TILE)	NO	NO	FAIR	180	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02EH03	CEILING MATERIALS (TILE)	NO	NO	FAIR	40	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02EH03	FLOOR COVERING (TILE)	YES	NO	FAIR	220	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02EH03	MISCELLANEOUS (BUILDING SEAL)	YES	NO	GOOD	17	LF	KHAKI BUILDING SEAL	AMIS
02EH03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	1	LF	WHITE BUILDING SEAL	AMIS
02EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	55	LF	BROWN CAULK	AMIS
02EH03	WALL COVERING (BASEBOARD)	NO	NO	FAIR	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02EH03	WALL COVERING (DRYWALL)	NO	NO	FAIR	340	SF	DRYWALL/WALL BOARD	AMIS
02EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	115	SF	SPACKLE JOINT MATERIAL	AMIS
02EH03	WALL COVERING (PANELS)	YES	NO	GOOD	205	SF	WALL PANEL, TRANSITE	AMIS
02EH04	CEILING MATERIALS (TILE)	NO	NO	FAIR	65	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
02EH04	CEILING MATERIALS (TILE)	NO	NO	FAIR	10	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
02EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
02EH04	FLOOR COVERING (TILE)	YES	NO	FAIR	75	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
02EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
02EH04	PIPE INSULATION	NO	YES	FAIR	40	LF	2-4" SH SUPPLY/RETURN	AMIS
02EH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
02EH04	WALL COVERING (BASEBOARD)	NO	NO	FAIR	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
02EH04	WALL COVERING (DRYWALL)	NO	NO	FAIR	310	SF	DRYWALL/WALL BOARD	AMIS
02EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	105	SF	SPACKLE JOINT MATERIAL	AMIS
03 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E07	FLOOR COVERING (TILE)	NO	NO	FAIR	375	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	FAIR	65	LF	BROWN CAULK	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03 E07	MISCELLANEOUS MATERIAL (OTHER)	YES	YES	GOOD	70(NF)	SF	BLACK SPRAY-ON INSULATION ON UNDERSIDE OF WATER FOUNTAIN	AMIS
03 E07	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E07	PIPE INSULATION	NO	YES	GOOD	80	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03 E07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E07	WALL COVERING (BASEBOARD)	NO	NO	FAIR	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	610	SF	DRYWALL/WALL BOARD	AMIS
03 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	205	SF	SPACKLE JOINT MATERIAL	AMIS
03 E07	WALL COVERING (PANELS)	YES	NO	GOOD	300	SF	WALL PANEL, TRANSITE	AMIS
03 E07	FLOOR COVERING (TILE)	NO	NO	FAIR	375	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC (UNDER RAISED FLOOR)	AMIS
03E07A	FLOOR COVERING (TILE)	NO	NO	FAIR	180	SF	2' X 2' RAISED FLOOR TILE	AMIS
03E07A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03E07A	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03E07A	FLOOR COVERING (TILE)	NO	NO	FAIR	180	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03E07A	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	20	LF	BROWN CAULK	AMIS
03E07A	PIPE INSULATION	NO	YES	GOOD	15	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03E07A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03E07A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03E07A	WALL COVERING (DRYWALL)	NO	NO	FAIR	480	SF	DRYWALL/WALL BOARD	AMIS
03E07A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
03E07A	WALL COVERING (PANELS)	YES	NO	GOOD	145	SF	WALL PANEL, TRANSITE	AMIS
03 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	494	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E08	CEILING MATERIALS (TILE)	NO	YES	POOR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	20	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
03 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
03 E08	FLOOR COVERING (TILE)	NO	NO	FAIR	570	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
03 E08	FLOOR COVERING (TILE)	NO	NO	FAIR	570	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E08	CEILING MATERIALS (TILE)	NO	YES	POOR	24	SF	2' X 4' RANDOM PIN HOLE	AMIS
03 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E08	FLOOR COVERING (OTHER)	YES	NO	POOR	6	LF	BLACK EDGE STRIPING	AMIS
03 E08	FLOOR COVERING (TILE)	NO	NO	FAIR	570	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	NO	GOOD	106(NF)	LF	WHITE CAULK DOOR SEALANT	AMIS
03 E08	PIPE INSULATION	NO	YES	FAIR	8	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	3	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E08	WALL COVERING (DRYWALL)	NO	NO	GOOD	680	SF	DRYWALL/WALL BOARD	AMIS
03 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	225	SF	SPACKLE JOINT MATERIAL	AMIS
03 E08	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
03 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	562	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E09	WALL COVERING (DRYWALL)	NO	YES	FAIR	480	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
03 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	110	LF	BROWN CAULK	ATLAS
03 E09	CEILING MATERIALS (TILE)	NO	YES	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	140	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E09	FLOOR COVERING (TILE)	NO	NO	FAIR	570	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E09	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E09	PIPE INSULATION	NO	YES	GOOD	40	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	680	SF	DRYWALL/WALL BOARD	AMIS
03 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
03 E09	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
03 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E09	FLOOR COVERING (OTHER)	NO	NO	GOOD	3	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
03 E09	FLOOR COVERING (TILE)	NO	NO	FAIR	180	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E09	PIPE INSULATION	NO	YES	GOOD	12	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
03 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
03 E09	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
03 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E09	FLOOR COVERING (TILE)	NO	NO	GOOD	180	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E09	PIPE INSULATION	NO	YES	GOOD	12	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
03 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
03 E09	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
03 E10	CEILING MATERIALS (TILE)	NO	NO	POOR	550	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E10	CEILING MATERIALS (TILE)	NO	YES	POOR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E10	WALL COVERING (DRYWALL)	NO	YES	GOOD	480	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
03 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	85	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E10	FLOOR COVERING (TILE)	NO	NO	FAIR	570	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
03 E10	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E10	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
03 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
03 E10	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
03 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
03 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
03 E10	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
03 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E10	FLOOR COVERING (TILE)	NO	NO	GOOD	180	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	NO	GOOD	37(NF)	LF	WHITE CAULK DOOR SEALANT	AMIS
03 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
03 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
03 E10	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
03 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	50	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03 E11	CEILING MATERIALS (TILE)	NO	NO	POOR	155	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	50	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E11	CEILING MATERIALS (TILE)	NO	NO	POOR	155	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E11	FLOOR COVERING (TILE)	NO	NO	FAIR	180	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E11	CEILING MATERIALS (TILE)	NO	NO	GOOD	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
03 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E11	FLOOR COVERING (TILE)	NO	NO	GOOD	180	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	NO	GOOD	54	LF	WHITE CAULK DOOR SEALANT	AMIS
03 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	27	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	45	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
03 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E11	FLOOR COVERING (TILE)	NO	NO	POOR	240	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	95	LF	BROWN CAULK	AMIS
03 E11	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E11	PIPE INSULATION	NO	YES	GOOD	20	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03 E11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	470	SF	DRYWALL/WALL BOARD	AMIS
03 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
03 E11	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
03 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	240	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	240	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E12	FLOOR COVERING (TILE)	NO	NO	FAIR	240	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	62	LF	BROWN CAULK	AMIS
03 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	470	SF	DRYWALL/WALL BOARD	AMIS
03 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
03 E12	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
03 E13	CEILING MATERIALS (TILE)	NO	YES	POOR	240	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E13	CEILING MATERIALS (TILE)	NO	NO	POOR	240	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E13	CEILING MATERIALS (TILE)	NO	YES	GOOD	40(NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
03 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E13	FLOOR COVERING (TILE)	NO	NO	POOR	240	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	95	LF	BROWN CAULK	AMIS
03 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	470	SF	DRYWALL/WALL BOARD	AMIS
03 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
03 E13	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
03 E14	CEILING MATERIALS (TILE)	NO	NO	POOR	190	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E14	FLOOR COVERING (TILE)	NO	NO	POOR	240	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E14	CEILING MATERIALS (TILE)	NO	YES	POOR	48	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E14	FLOOR COVERING (TILE)	NO	NO	POOR	240	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	95	LF	BROWN CAULK	AMIS
03 E14	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E14	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	470	SF	DRYWALL/WALL BOARD	AMIS
03 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	156	SF	SPACKLE JOINT MATERIAL	AMIS
03 E14	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
03 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	600	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E15	FLOOR COVERING (TILE)	NO	NO	FAIR	600	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E15	FLOOR COVERING (TILE)	NO	NO	FAIR	600	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
03 E15	PIPE INSULATION	NO	YES	GOOD	80	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
03 E15	PIPE INSULATION	NO	YES	FAIR	15	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E15	PIPE INSULATION	NO	YES	GOOD	25(NF)	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
03 E15	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
03 E15	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	700	SF	DRYWALL/WALL BOARD	AMIS
03 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
03 E15	WALL COVERING (PANELS)	YES	NO	GOOD	480	SF	WALL PANEL, TRANSITE	AMIS
03 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E16	CEILING MATERIALS (TILE)	NO	NO	FAIR	600	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E16	FLOOR COVERING (TILE)	NO	NO	FAIR	600	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
03 E16	FLOOR COVERING (TILE)	NO	NO	FAIR	600	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
03 E16	PIPE INSULATION	NO	YES	FAIR	15	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E16	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E16	WALL COVERING (DRYWALL)	NO	NO	FAIR	700	SF	DRYWALL/WALL BOARD	AMIS
03 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
03 E16	WALL COVERING (PANELS)	YES	NO	GOOD	400	SF	WALL PANEL, TRANSITE	AMIS
03 E17	CEILING MATERIALS (TILE)	NO	NO	POOR	430	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E17	CEILING MATERIALS (TILE)	NO	YES	POOR	40	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E17	FLOOR COVERING (TILE)	NO	NO	POOR	45	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
03 E17	CEILING MATERIALS (TILE)	NO	YES	FAIR	16	SF	2' X 4' RANDOM PIN HOLE	AMIS
03 E17	CEILING MATERIALS (TILE)	NO	YES	FAIR	40	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
03 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	GRAY DUCT MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03 E17	FLOOR COVERING (TILE)	NO	NO	GOOD	40(NF)	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E17	FLOOR COVERING (TILE)	NO	NO	POOR	45	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E17	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	100	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
03 E17	PIPE INSULATION	NO	YES	GOOD	70	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
03 E17	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
03 E17	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	10(NF)	LF	BLACK STICKY PIPE WIPE	AMIS
03 E17	WALL COVERING (BASEBOARD)	NO	NO	POOR	7	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E17	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
03 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
03 E17	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
03 E18	FLOOR COVERING (TILE)	NO	NO	POOR	40	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03 E18	CEILING MATERIALS (TILE)	NO	NO	POOR	510	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03 E18	CEILING MATERIALS (TILE)	NO	YES	POOR	15	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
03 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
03 E18	FLOOR COVERING (TILE)	NO	NO	FAIR	560	SF	2' X 2' RAISED FLOOR TILE	AMIS
03 E18	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	6	LF	WHITE BUILDING SEAL	AMIS
03 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
03 E18	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	100	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
03 E18	PIPE INSULATION	NO	YES	GOOD	70	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
03 E18	PIPE INSULATION	NO	YES	FAIR	25	LF	2-4" SH SUPPLY/RETURN	AMIS
03 E18	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
03 E18	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E18	WALL COVERING (BASEBOARD)	NO	NO	POOR	14	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E18	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03 E18	WALL COVERING (BASEBOARD)	NO	NO	POOR	14	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
03 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
03 E18	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
03EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
03EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
03EEL01	PIPE INSULATION	NO	YES	GOOD	40	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03EEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
03EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EEL01	WALL COVERING (DRYWALL)	NO	NO	FAIR	150	SF	DRYWALL/WALL BOARD	AMIS
03EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	50	SF	SPACKLE JOINT MATERIAL	AMIS
03EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
03EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	48	LF	GRAY BUILDING SEAL	AMIS
03EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EEL02	WALL COVERING (DRYWALL)	NO	NO	FAIR	150	SF	DRYWALL/WALL BOARD	AMIS
03EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	50	SF	SPACKLE JOINT MATERIAL	AMIS
03EH01	FLOOR COVERING (TILE)	NO	NO	FAIR	850	SF	2' X 2' RAISED FLOOR TILE	AMIS
03EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	524	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	340	LF	BROWN CAULK	AMIS
03EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	325	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	400	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03EH01	FLOOR COVERING (TILE)	NO	NO	FAIR	850	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03EH01	PIPE INSULATION	NO	YES	GOOD	300	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
03EH01	PIPE INSULATION	NO	YES	GOOD	300	LF	2-4" SH SUPPLY/RETURN	AMIS
03EH01	PIPE INSULATION	NO	YES	GOOD	170	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
03EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	100	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	340	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	3,400	SF	DRYWALL/WALL BOARD	AMIS
03EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	1,135	SF	SPACKLE JOINT MATERIAL	AMIS
03EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	220	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	20	SF	2' X 4' RANDOM PIN HOLE	AMIS
03EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
03EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	90	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
03EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	20	SF	2' X 4' RANDOM PIN HOLE	AMIS
03EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	20	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
03EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03EH02	FLOOR COVERING (TILE)	NO	NO	FAIR	330	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	75	LF	GRAY BUILDING SEAL	AMIS
03EH02	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	1(NF)	SF	WALL PENETRATION PUTTY GREENISH/BLACK	AMIS
03EH02	PIPE INSULATION	NO	YES	GOOD	45	LF	2"OD WHT/SKN OVER FOIL OVER FGLAS H2O SUPPLY LINE	AMIS
03EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	400	SF	DRYWALL/WALL BOARD	AMIS
03EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	135	SF	SPACKLE JOINT MATERIAL	AMIS
03EH03	CEILING MATERIALS (TILE)	NO	NO	POOR	35	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03EH03	CEILING MATERIALS (TILE)	NO	NO	POOR	25	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
03EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	AMIS
03EH03	FLOOR COVERING (TILE)	NO	NO	FAIR	75	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
03EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	35	LF	BROWN CAULK	AMIS
03EH03	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
03EH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
03EH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EH03	WALL COVERING (DRYWALL)	NO	NO	FAIR	300	SF	DRYWALL/WALL BOARD	AMIS
03EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	100	SF	SPACKLE JOINT MATERIAL	AMIS
03EH03	WALL COVERING (PANELS)	YES	NO	GOOD	60	SF	WALL PANEL, TRANSITE	AMIS
03EH04	CEILING MATERIALS (TILE)	NO	NO	POOR	35	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	ATLAS
03EH04	CEILING MATERIALS (TILE)	NO	NO	POOR	40	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
03EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
03EH04	FLOOR COVERING (TILE)	NO	NO	FAIR	75	SF	2' X 2' RAISED FLOOR TILE	AMIS
03EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	35	LF	BROWN CAULK	AMIS
03EH04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
03EH04	WALL COVERING (DRYWALL)	NO	NO	FAIR	300	SF	DRYWALL/WALL BOARD	AMIS
03EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	100	SF	SPACKLE JOINT MATERIAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
03EH04	WALL COVERING (PANELS)	YES	NO	GOOD	60	SF	WALL PANEL, TRANSITE	AMIS
05 E02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
05 E05	FLOOR COVERING (TILE)	YES	NO	GOOD	140	SF	12" WHITE FLOOR TILE	AMIS
05 E05	WALL COVERING (BASEBOARD)	NO	NO	FAIR	48	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05E07/05E07X	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,080	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
05E07/05E07X	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05E07/05E07X	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	500	SF	GRAY DUCT MASTIC	AMIS
05E07/05E07X	DUCT/HVAC MATERIALS	NO	NO	POOR	15(NF)	LF	12-14" DIA WHITE A/C DUCT	AMIS
05E07/05E07X	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	30	SF	BLACK BUILDING SEAL	AMIS
05E07/05E07X	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	NO	GOOD	1(NF)	SF	GREY PUTTY	AMIS
05E07/05E07X	MISCELLANEOUS MATERIAL (DEBRIS)	NO	YES	FAIR	2(NF)	SF	BLCK DEBRIS FROM MUDDED ELBOW BEHIND SINK	AMIS
05E07/05E07X	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	2	LF	FLOOR DRAIN SEAL WHITE	AMIS
05E07/05E07X	PIPE INSULATION	NO	YES	GOOD	50	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05E07/05E07X	PIPE INSULATION	NO	YES	GOOD	150	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
05E07/05E07X	PIPE INSULATION	NO	YES	FAIR	250	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
05E07/05E07X	PIPE INSULATION	NO	YES	FAIR	230	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
05E07/05E07X	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
05E07/05E07X	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	14	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
05E07/05E07X	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
05E07/05E07X	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
05E07/05E07X	WALL COVERING (BASEBOARD)	NO	NO	GOOD	460	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05E07/05E07X	WALL COVERING (DRYWALL)	NO	NO	GOOD	720	SF	DRYWALL/WALL BOARD	AMIS
05E07/05E07X	WALL COVERING (DRYWALL)	NO	YES	GOOD	1(NF)	SF	DRYWALL AND PAPER BACKING	AMIS
05E07/05E07X	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	240	SF	SPACKLE JOINT MATERIAL	AMIS
05E07/05E07X	WALL COVERING (PANELS)	YES	NO	GOOD	7,280	SF	WALL PANEL, TRANSITE	AMIS
05 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	300(NF)	SF	SILVER DUCT MASTIC ON AC	AMIS
05 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	20(NF)	SF	AC VENT CAULK WITH WHITE CREAM	AMIS
05 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	3(NF)	SF	BLACK DUCT CAULK	AMIS
05 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	300	SF	GRAY DUCT MASTIC	AMIS
05 E08	DUCT/HVAC MATERIALS	NO	NO	POOR	150(NF)	LF	12-14" DIA WHITE A/C DUCT	AMIS
05 E08	DUCT/HVAC MATERIALS	YES	YES	GOOD	10(NF)	SF	CLOTH FLEX JOINT GRAY & WHITE	AMIS
05 E08	PIPE INSULATION	NO	YES	FAIR	150(NF)	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05 E08	PIPE INSULATION	NO	YES	POOR	80(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05 E08	PIPE INSULATION	NO	YES	FAIR	100(NF)	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
05 E08	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	10(NF)	LF	BLACK STICKY PIPE WIPE	AMIS
05 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	35(NF)	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
05 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	30(NF)	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
05 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	31(NF)	EA	6-8" OUTER DIAMETER ELBOW RET & SUPPLY CHILL MUDDED	AMIS
05 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	10(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
05 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	30(NF)	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
05 E08	WALL COVERING (PANELS)	YES	NO	GOOD	250(NF)	SF	WALL PANEL, TRANSITE	AMIS
05 E08	WALL COVERING (PANELS)	YES	NO	GOOD	2,100	SF	WHITE TRANSITE WALL PANEL WITH HOLES.	AMIS
05 E09	WALL COVERING (DRYWALL)	NO	YES	FAIR	540	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
05 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05 E09	FLOOR COVERING (OTHER)	NO	NO	GOOD	5	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	32	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	160	SF	DRYWALL/WALL BOARD	AMIS
05 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	53	SF	SPACKLE JOINT MATERIAL	AMIS
05 E09	WALL COVERING (PANELS)	YES	NO	GOOD	90	SF	WALL PANEL, TRANSITE	AMIS
05E01H	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05E01H	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	GRAY DUCT MASTIC	AMIS
05E01H	WALL COVERING (BASEBOARD)	NO	NO	GOOD	95	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05E01H	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,200	SF	DRYWALL/WALL BOARD	AMIS
05E01H	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	400	SF	SPACKLE JOINT MATERIAL	AMIS
05E02EL/05E01C	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
05E02EL/05E01C	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	30	SF	BLACK BUILDING SEAL	AMIS
05E02EL/05E01C	WALL COVERING (BASEBOARD)	NO	NO	GOOD	33	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05E02EL/05E01C	WALL COVERING (DRYWALL)	NO	NO	GOOD	650	SF	DRYWALL/WALL BOARD	AMIS
05E02EL/05E01C	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
05E0EL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	GRAY DUCT MASTIC	AMIS
05E0EL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	10	SF	BLACK BUILDING SEAL	AMIS
05E0EL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	15	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
05E0EL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	300	SF	DRYWALL/WALL BOARD	AMIS
05E0EL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	100	SF	SPACKLE JOINT MATERIAL	AMIS
06 E06	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	AMIS
06 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	277	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E06	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E06	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06 E06	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
06 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E06	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E07	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E07	PIPE INSULATION	NO	NO	GOOD	38	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	ATLAS
06 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	281	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E07	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E07	PIPE INSULATION	NO	YES	GOOD	38	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E07	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E07	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
06 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E07	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06 E08	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	281	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
06 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E08	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E08	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E08	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	14	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
06 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E08	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E09	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E09	CEILING MATERIALS (TILE)	NO	NO	POOR	277	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E09	CEILING MATERIALS (TILE)	NO	NO	POOR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	AMIS
06 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E09	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E09	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E09	PIPE INSULATION	NO	YES	GOOD	38	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E09	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
06 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E09	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E10	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	195	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	163	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E10	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	56	LF	BROWN CAULK	AMIS
06 E10	PIPE INSULATION	NO	YES	GOOD	13	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	516	SF	DRYWALL/WALL BOARD	AMIS
06 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
06 E10	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
06 E11	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	SILVER DUCT MASTIC ON AC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E11	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E11	PIPE INSULATION	NO	YES	GOOD	26	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E11	PIPE INSULATION	NO	YES	GOOD	13	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	56	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E11	WALL COVERING (DRYWALL)	NO	NO	GOOD	576	SF	DRYWALL/WALL BOARD	AMIS
06 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
06 E11	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
06 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	718	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E12	CEILING MATERIALS (TILE)	NO	NO	POOR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E12	FLOOR COVERING (TILE)	NO	NO	FAIR	750	SF	2' X 2' RAISED FLOOR TILE	AMIS
06 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	130	LF	BROWN CAULK	AMIS
06 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	75	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
06 E12	PIPE INSULATION	NO	YES	GOOD	68	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06 E12	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E12	PIPE INSULATION	NO	YES	GOOD	48	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	18	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	960	SF	DRYWALL/WALL BOARD	AMIS
06 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	320	SF	SPACKLE JOINT MATERIAL	AMIS
06 E12	WALL COVERING (PANELS)	YES	NO	GOOD	620	SF	WALL PANEL, TRANSITE	AMIS
06 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	742	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	120	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E13	FLOOR COVERING (TILE)	NO	NO	FAIR	750	SF	2' X 2' RAISED FLOOR TILE	AMIS
06 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	130	LF	BROWN CAULK	AMIS
06 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	75	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
06 E13	PIPE INSULATION	NO	YES	GOOD	160	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06 E13	PIPE INSULATION	NO	YES	GOOD	13	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E13	PIPE INSULATION	NO	YES	GOOD	100	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E13	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	35	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	960	SF	DRYWALL/WALL BOARD	AMIS
06 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	320	SF	SPACKLE JOINT MATERIAL	AMIS
06 E13	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
06 E14	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	13	LF	BROWN CAULK	AMIS
06 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	183	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	12	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E14	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	126	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
06 E14	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
06 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	195	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E15	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2' X 2' RAISED FLOOR TILE	AMIS
06 E15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	56	LF	BROWN CAULK	AMIS
06 E15	PIPE INSULATION	NO	YES	GOOD	26	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06 E15	PIPE INSULATION	NO	YES	GOOD	26	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E15	PIPE INSULATION	NO	YES	GOOD	13	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E15	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	1	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E15	WALL COVERING (DRYWALL)	NO	NO	GOOD	516	SF	DRYWALL/WALL BOARD	AMIS
06 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
06 E15	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
06 E16	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E16	CEILING MATERIALS (TILE)	NO	NO	POOR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
06 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E16	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E16	FLOOR COVERING (TILE)	NO	NO	FAIR	8	SF	12" X 12" MARBLED BEIGE & CREAM FLOOR TILE	AMIS
06 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E16	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E16	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E16	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
06 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E16	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E17	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E17	CEILING MATERIALS (TILE)	NO	NO	POOR	281	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
06 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E17	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E17	PIPE INSULATION	NO	YES	GOOD	38	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06 E17	PIPE INSULATION	NO	YES	GOOD	27	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E17	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E17	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
06 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
06 E17	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E18	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	273	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	12	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E18	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E18	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	66	LF	BROWN CAULK	AMIS
06 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
06 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
06 E18	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
06 E19	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	189	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	96	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E19	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E19	FLOOR COVERING (TILE)	NO	NO	FAIR	285	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E19	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
06 E19	PIPE INSULATION	NO	YES	GOOD	36	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06 E19	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E19	PIPE INSULATION	NO	YES	GOOD	1	EA	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06 E19	PIPE INSULATION	NO	YES	GOOD	1	EA	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06 E19	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
06 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
06 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E19	WALL COVERING (DRYWALL)	NO	NO	GOOD	196	SF	DRYWALL/WALL BOARD	AMIS
06 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	228	SF	SPACKLE JOINT MATERIAL	AMIS
06 E19	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
06 E20	FLOOR COVERING (TILE)	NO	NO	FAIR	255	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E20	CEILING MATERIALS (TILE)	NO	NO	POOR	239	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E20	CEILING MATERIALS (TILE)	NO	NO	FAIR	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E20	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E20	FLOOR COVERING (TILE)	NO	NO	FAIR	255	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E20	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	64	SF	BROWN CAULK	AMIS
06 E20	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E20	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E20	WALL COVERING (BASEBOARD)	NO	NO	GOOD	64	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E20	WALL COVERING (DRYWALL)	NO	NO	GOOD	336	SF	DRYWALL/WALL BOARD	AMIS
06 E20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	112	SF	SPACKLE JOINT MATERIAL	AMIS
06 E20	WALL COVERING (PANELS)	YES	NO	GOOD	204	SF	WALL PANEL, TRANSITE	AMIS
06 E21	FLOOR COVERING (TILE)	NO	NO	FAIR	255	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E21	CEILING MATERIALS (TILE)	NO	NO	FAIR	187	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E21	CEILING MATERIALS (TILE)	NO	NO	FAIR	68	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
06 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
06 E21	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
06 E21	FLOOR COVERING (TILE)	NO	NO	FAIR	2,550	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E21	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	64	LF	BROWN CAULK	AMIS
06 E21	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
06 E21	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06 E21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	64	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E21	WALL COVERING (DRYWALL)	NO	NO	GOOD	336	SF	DRYWALL/WALL BOARD	AMIS
06 E21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	112	SF	SPACKLE JOINT MATERIAL	AMIS
06 E21	WALL COVERING (PANELS)	YES	NO	GOOD	204	SF	WALL PANEL, TRANSITE	AMIS
06 E22	CEILING MATERIALS (TILE)	NO	NO	FAIR	255	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E22	CEILING MATERIALS (TILE)	NO	NO	FAIR	187	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E22	FLOOR COVERING (TILE)	NO	NO	FAIR	4	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E22	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	FAIR	191	LF	BROWN CAULK	AMIS
06 E22	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E22	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E22	WALL COVERING (BASEBOARD)	NO	NO	GOOD	60	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E22	WALL COVERING (DRYWALL)	NO	NO	GOOD	156	SF	DRYWALL/WALL BOARD	AMIS
06 E22	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	52	SF	SPACKLE JOINT MATERIAL	AMIS
06 E22	WALL COVERING (PANELS)	YES	NO	GOOD	336	SF	WALL PANEL, TRANSITE	AMIS
06 E23	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2' X 2' RAISED FLOOR TILE	ATLAS
06 E23	CEILING MATERIALS (TILE)	NO	NO	FAIR	171	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06 E23	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06 E23	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06 E23	FLOOR COVERING (TILE)	NO	NO	FAIR	195	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06 E23	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	60	LF	BROWN CAULK	AMIS
06 E23	WALL COVERING (BASEBOARD)	NO	NO	GOOD	60	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06 E23	WALL COVERING (DRYWALL)	NO	NO	GOOD	156	SF	DRYWALL/WALL BOARD	AMIS
06 E23	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	52	SF	SPACKLE JOINT MATERIAL	AMIS
06 E23	WALL COVERING (PANELS)	YES	NO	GOOD	336	SF	WALL PANEL, TRANSITE	AMIS
06EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
06EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
06EEL01	PIPE INSULATION	NO	YES	GOOD	32	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06EEL01	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06EEL01	PIPE INSULATION	NO	YES	GOOD	16	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06EEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	7	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
06EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
06EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
06EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
06EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
06EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
06EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
06EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	219	LF	BROWN CAULK	AMIS
06EH01	WALL COVERING (PANELS)	YES	NO	GOOD	60	SF	WALL PANEL, TRANSITE	AMIS
06EH01	FLOOR COVERING (TILE)	NO	NO	FAIR	535	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	818	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	32	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	ATLAS
06EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06EH01	FLOOR COVERING (TILE)	NO	NO	FAIR	315	SF	2' X 2' RAISED FLOOR TILE	AMIS
06EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	20	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
06EH01	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
06EH01	PIPE INSULATION	NO	YES	GOOD	400	LF	2-4" SH SUPPLY/RETURN	AMIS
06EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	30	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	219	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	4,080	SF	DRYWALL/WALL BOARD	AMIS
06EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	1,360	SF	SPACKLE JOINT MATERIAL	AMIS
06EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	240	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
06EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
06EH02	FLOOR COVERING (TILE)	NO	NO	FAIR	240	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
06EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	68	LF	GRAY BUILDING SEAL	AMIS
06EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
06EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	4	SF	OFF-WHITE CAULK	AMIS
06EH02	PIPE INSULATION	NO	YES	GOOD	70	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
06EH02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
06EH02	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
06EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
06EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	624	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
06EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	208	SF	DRYWALL/WALL BOARD	AMIS
06EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
07 E01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	80	LF	GRAY BUILDING SEAL	AMIS
07 E02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	80	LF	GRAY BUILDING SEAL	AMIS
07 E03	CEILING MATERIALS (TILE)	NO	YES	GOOD	150	SF	2' X 2' CHIPPED PINHOLE CT	AMIS
07 E03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E03	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	2	SF	GREY DUCT CAULK/PUTTY	AMIS
07 E03	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E03	FLOOR COVERING (TILE)	YES	NO	GOOD	75	SF	12" X 12" BLUE FLOOR TILE	AMIS
07 E03	FLOOR COVERING (TILE)	NO	NO	GOOD	75	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
07 E03	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
07 E03	PIPE INSULATION	NO	YES	GOOD	15	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
07 E03	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
07 E03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	GRAY VINYL BASEBOARD	AMIS
07 E03	WALL COVERING (DRYWALL)	NO	NO	GOOD	500	SF	DRYWALL/WALL BOARD	AMIS
07 E03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	125	SF	SPACKLE JOINT MATERIAL	AMIS
07 E04	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	14	LF	GRAY BUILDING SEAL	AMIS
07 E04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	1	SF	OFF-WHITE CAULK	AMIS
07 E04	PIPE INSULATION	NO	YES	GOOD	1	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07 E04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
07 E05	CEILING MATERIALS (TILE)	NO	YES	GOOD	140	SF	2' X 2' CHIPPED PINHOLE CT	AMIS
07 E05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E05	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E05	FLOOR COVERING (TILE)	YES	NO	GOOD	70	SF	12" X 12" BLUE FLOOR TILE	AMIS
07 E05	FLOOR COVERING (TILE)	NO	NO	GOOD	70	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
07 E05	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	48	LF	GRAY BUILDING SEAL	AMIS
07 E05	PIPE INSULATION	NO	YES	GOOD	20	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
07 E05	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
07 E05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07 E05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	48	LF	GRAY VINYL BASEBOARD	AMIS
07 E05	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL, NEW	AMIS
07 E05	WALL COVERING (SPACKLE, JOINT COMPOUND)	NO	YES	GOOD	160	SF	SPACKLE, ON NEW DRYWALL	AMIS
07 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	GRAY DUCT MASTIC	AMIS
07 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
07 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E06	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E06	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E06	PIPE INSULATION	NO	YES	GOOD	54	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07 E06	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	5	LF	BLACK STICKY PIPE WIPE	AMIS
07 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	12	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
07 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	MUDDED ELBOW	AMIS
07 E06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	106	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E06	WALL COVERING (DRYWALL)	NO	NO	FAIR	816	SF	DRYWALL/WALL BOARD	AMIS
07 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	272	SF	SPACKLE JOINT MATERIAL	AMIS
07 E06	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
07 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
07 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
07 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E07	PIPE INSULATION	NO	YES	GOOD	65	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E07	PIPE INSULATION	NO	YES	GOOD	100	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E07	PIPE INSULATION	NO	YES	GOOD	6	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07 E07	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	4	LF	BLACK STICKY PIPE WIPE	AMIS
07 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	18	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
07 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	34	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	4	EA	MUDDED ELBOW	AMIS
07 E07	WALL COVERING (BASEBOARD)	NO	NO	FAIR	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	816	SF	DRYWALL/WALL BOARD	AMIS
07 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	272	SF	SPACKLE JOINT MATERIAL	AMIS
07 E07	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
07 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	ATLAS
07 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
07 E08	FLOOR COVERING (OTHER)	YES	NO	FAIR	6	LF	BLACK EDGE STRIPING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E08	PIPE INSULATION	NO	YES	GOOD	26	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E08	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E08	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07 E08	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	FAIR	4	LF	WHITE STICKY PIPE WRAP	AMIS
07 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	14	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
07 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	MUDDED ELBOW	AMIS
07 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	916	SF	DRYWALL/WALL BOARD	AMIS
07 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	272	SF	SPACKLE JOINT MATERIAL	AMIS
07 E08	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
07 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	ATLAS
07 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
07 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
07 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E09	PIPE INSULATION	NO	YES	GOOD	120	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E09	PIPE INSULATION	NO	YES	GOOD	124	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E09	PIPE INSULATION	NO	YES	GOOD	13	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07 E09	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	6	LF	BLACK STICKY PIPE WIPE	AMIS
07 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	14	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
07 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	16	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	MUDDED ELBOW	AMIS
07 E09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	816	SF	DRYWALL/WALL BOARD	AMIS
07 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	272	SF	SPACKLE JOINT MATERIAL	AMIS
07 E09	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
07 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
07 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E10	WALL COVERING (BASEBOARD)	NO	NO	FAIR	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
07 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
07 E10	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
07 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E11	PIPE INSULATION	NO	YES	GOOD	38	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E11	PIPE INSULATION	NO	YES	GOOD	56	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E11	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
07 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
07 E11	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
07 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	245	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
07 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	32	SF	2' X 4' RANDOM PIN HOLE	AMIS
07 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	4	SF	WHITE AC DUCT MASTIC	AMIS
07 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E12	FLOOR COVERING (TILE)	YES	NO	GOOD	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E12	PIPE INSULATION	NO	YES	GOOD	14	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07 E12	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
07 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
07 E12	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
07 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
07 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
07 E13	PIPE INSULATION	NO	YES	GOOD	38	LF	2-4" CHILL H20 SUPPLY/RETURN	ATLAS
07 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
07 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07 E13	PIPE INSULATION	NO	YES	GOOD	70	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	20(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E13	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
07 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
07 E13	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
07 E14	FLOOR COVERING (TILE)	NO	NO	FAIR	966	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	ATLAS
07 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	168	SF	DRYWALL/WALL BOARD	ATLAS
07 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	56	SF	SPACKLE JOINT MATERIAL	ATLAS
07 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	934	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	105	LF	BROWN CAULK	ATLAS
07 E14	WALL COVERING (DRYWALL)	NO	YES	FAIR	880	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
07 E14	CEILING MATERIALS (TILE)	NO	YES	FAIR	32	SF	2' X 4' RANDOM PIN HOLE	AMIS
07 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	160	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E14	FLOOR COVERING (TILE)	NO	NO	GOOD	658(NF)	SF	2' X 2' RAISED FLOOR TILE	AMIS
07 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	SF	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E14	WALL COVERING (BASEBOARD)	NO	NO	FAIR	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07 E14	WALL COVERING (PANELS)	YES	NO	GOOD	996	SF	WALL PANEL, TRANSITE	AMIS
07 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	GRAY DUCT MASTIC	AMIS
07 E15	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	20	SF	BEIGE BRITTLE MASTIC ON CIRCULAR METAL DUCT. PAINTED GRAY	AMIS
07 E15	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	50	LF	LIGHT GRAY GOOEY PUTTY	AMIS
07 E15	WALL COVERING (DRYWALL)	NO	NO	GOOD	360	SF	DRYWALL/WALL BOARD	AMIS
07 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
07 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	490	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	98	LF	BROWN CAULK	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07 E17	WALL COVERING (PANELS)	YES	NO	GOOD	420	SF	WALL PANEL, TRANSITE	AMIS
07 E17	WALL COVERING (DRYWALL)	NO	YES	FAIR	1,008	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
07 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	110	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07 E17	FLOOR COVERING (TILE)	YES	NO	POOR	490	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
07 E17	PIPE INSULATION	NO	YES	GOOD	64	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07 E17	PIPE INSULATION	NO	YES	GOOD	92	LF	2-4" SH SUPPLY/RETURN	AMIS
07 E17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	14	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07 E17	WALL COVERING (DRYWALL)	NO	NO	FAIR	336	SF	DRYWALL/WALL BOARD	AMIS
07 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	112	SF	SPACKLE JOINT MATERIAL	AMIS
07E	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	140	LF	WHITE MASTIC OVER VINYL OVER STYRENE.	AMIS
07E	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	3,456	SF	GREY NON-SLIP SURFACES COATING	AMIS
07E E STAIRWELL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	56	LF	GRAY BUILDING SEAL	AMIS
07E E STAIRWELL	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	1	EA	GASKET - FLOOR PENETRATION	AMIS
07E W STAIRWELL	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	54	LF	GRAY BUILDING SEAL	AMIS
07E W STAIRWELL	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	2	EA	GASKET - FLOOR PENETRATION	AMIS
07E/FCW	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	375	SF	GREY NON-SLIP SURFACES COATING	AMIS
07E/FCW	PIPE INSULATION	NO	YES	GOOD	180	LF	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
07E/FCW	PIPE INSULATION	YES	YES	GOOD	180	LF	8-10" OUTER DIAMETER 206 DEG STEAM LINE	AMIS
07E/FCW	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	8-10" OUTER DIAMETER MUDDED ELBOW ON 206 DEG STEAM LINE	AMIS
07E/FCW	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	24" OUTER DIAMETER CANVAS SKIN/PAPER OVER FIBERGLASS CHILLED WATER	AMIS
07E01A	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	90	LF	GRAY BUILDING SEAL	AMIS
07E05A	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	22	LF	GRAY BUILDING SEAL	AMIS
07E14A	CEILING MATERIALS (TILE)	NO	YES	GOOD	16	SF	2' X 4' RANDOM PIN HOLE	AMIS
07E14A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07E14A	FLOOR COVERING (TILE)	NO	NO	GOOD	196	SF	2' X 2' RAISED FLOOR TILE	AMIS
07E14A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	28	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07E14A	WALL COVERING (DRYWALL)	NO	NO	GOOD	140	SF	DRYWALL/WALL BOARD	AMIS
07E14A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	46	SF	SPACKLE JOINT MATERIAL	AMIS
07E14A	WALL COVERING (PANELS)	YES	NO	GOOD	140	LF	WALL PANEL, TRANSITE	AMIS
07E14B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07E14B	FLOOR COVERING (TILE)	NO	NO	GOOD	112	SF	2' X 2' RAISED FLOOR TILE	AMIS
07E14B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07E14B	WALL COVERING (PANELS)	YES	NO	GOOD	220	SF	WALL PANEL, TRANSITE	AMIS
07E17A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07E17A	FLOOR COVERING (TILE)	YES	NO	GOOD	168	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
07E17A	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07E17A	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" SH SUPPLY/RETURN	AMIS
07E17A	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
07E17B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07E17B	FLOOR COVERING (TILE)	YES	NO	GOOD	168	SF	12" X 12" BGE WITH BROWN STREAKS FLOOR TILE	AMIS
07E17B	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07E17B	PIPE INSULATION	NO	YES	GOOD	40	SF	2-4" SH SUPPLY/RETURN	AMIS
07E17B	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07E17B	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07E17B	WALL COVERING (DRYWALL)	NO	NO	GOOD	140	SF	DRYWALL/WALL BOARD	AMIS
07E17B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	46	SF	SPACKLE JOINT MATERIAL	AMIS
07EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	10	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
07EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
07EEL01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	1	SF	OFF-WHITE CAULK	AMIS
07EEL01	PIPE INSULATION	NO	YES	GOOD	12	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07EEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
07EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
07EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
07EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	10	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
07EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
07EEL02	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	1	SF	WALL PENETRATION PUTTY GREENISH/BLACK	AMIS
07EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
07EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
07EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	472	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07EH01	CEILING MATERIALS (TILE)	NO	NO	POOR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
07EH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	80	SF	2' X 4' RANDOM PIN HOLE	AMIS
07EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	800	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	560	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	234	LF	BROWN CAULK	AMIS
07EH01	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
07EH01	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
07EH01	PIPE INSULATION	NO	YES	GOOD	12	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	224	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	2,688	SF	DRYWALL/WALL BOARD	AMIS
07EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	896	SF	SPACKLE JOINT MATERIAL	AMIS
07EH01A	CEILING MATERIALS (TILE)	NO	NO	FAIR	296	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07EH01A	WALL COVERING (DRYWALL)	NO	YES	FAIR	720	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
07EH01A	CEILING MATERIALS (TILE)	NO	NO	FAIR	720	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
07EH01A	CEILING MATERIALS (TILE)	NO	YES	FAIR	40	SF	2' X 4' RANDOM PIN HOLE	AMIS
07EH01A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	300	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07EH01A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	8	SF	WHITE AC DUCT MASTIC	AMIS
07EH01A	FLOOR COVERING (OTHER)	YES	NO	GOOD	8	LF	BLACK EDGE STRIPING	AMIS
07EH01A	FLOOR COVERING (TILE)	NO	NO	GOOD	432	SF	2X2 OF WHITE W/BLACK & GRAY STREAKS & MASTIC	AMIS
07EH01A	PIPE INSULATION	NO	YES	GOOD	120	LF	2-4" SH SUPPLY/RETURN	AMIS
07EH01A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
07EH01A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07EH01A	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
07EH01A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
07EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	244	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
07EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
07EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
07EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	252	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
07EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
07EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	96	LF	BROWN CAULK	AMIS
07EH02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
07EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	1	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
07EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
07EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	648	SF	DRYWALL/WALL BOARD	AMIS
07EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	216	SF	SPACKLE JOINT MATERIAL	AMIS
10 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	345	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	76	LF	BROWN CAULK	ATLAS
10 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	115	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	AMIS
10 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	115	SF	BROWN MASTIC OVER AC DUCT & PIPE FITTINGS	AMIS
10 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	345	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E06	PIPE INSULATION	NO	YES	POOR	8	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	76	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E06	WALL COVERING (DRYWALL)	NO	NO	POOR	636	SF	DRYWALL/WALL BOARD	AMIS
10 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	212	SF	SPACKLE JOINT MATERIAL	AMIS
10 E06	WALL COVERING (PANELS)	YES	NO	GOOD	276	SF	WALL PANEL, TRANSITE	AMIS
10 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	241	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2'X4' Random Pin Hole	ATLAS
10 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	76	LF	BROWN CAULK	ATLAS
10 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	80	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
10 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	345	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E07	PIPE INSULATION	NO	YES	GOOD	48	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	2	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E07	WALL COVERING (BASEBOARD)	NO	NO	FAIR	76	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E07	WALL COVERING (DRYWALL)	NO	NO	POOR	636	SF	DRYWALL/WALL BOARD	AMIS
10 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	212	SF	SPACKLE JOINT MATERIAL	AMIS
10 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	120	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	46	LF	BROWN CAULK	ATLAS
10 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E08	FLOOR COVERING (TILE)	YES	NO	POOR	120	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E08	WALL COVERING (BASEBOARD)	NO	NO	FAIR	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E08	WALL COVERING (DRYWALL)	NO	NO	POOR	456	SF	DRYWALL/WALL BOARD	AMIS
10 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	152	SF	SPACKLE JOINT MATERIAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10 E08	WALL COVERING (PANELS)	YES	NO	GOOD	96	SF	WALL PANEL, TRANSITE	AMIS
10 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	120	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	46	LF	BROWN CAULK	ATLAS
10 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
10 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	120	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E09	PIPE INSULATION	NO	YES	GOOD	16	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	456	SF	DRYWALL/WALL BOARD	AMIS
10 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	152	SF	SPACKLE JOINT MATERIAL	AMIS
10 E09	WALL COVERING (PANELS)	YES	NO	GOOD	64	SF	WALL PANEL, TRANSITE	AMIS
10 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
10 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
10 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
10 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
10 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E11	FLOOR COVERING (TILE)	YES	NO	POOR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E11	PIPE INSULATION	NO	YES	GOOD	40	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E11	WALL COVERING (BASEBOARD)	NO	NO	FAIR	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E11	WALL COVERING (DRYWALL)	NO	NO	POOR	588	SF	DRYWALL/WALL BOARD	AMIS
10 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	133	SF	SPACKLE JOINT MATERIAL	AMIS
10 E11	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
10 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
10 E12	PIPE INSULATION	NO	YES	GOOD	18	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
10 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
10 E12	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	20	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
10 E13	FLOOR COVERING (TILE)	YES	NO	POOR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	8	SF	2' X 4' RANDOM PIN HOLE	AMIS
10 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E13	PIPE INSULATION	NO	YES	GOOD	56	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	14(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E13	WALL COVERING (DRYWALL)	NO	NO	POOR	588	SF	DRYWALL/WALL BOARD	AMIS
10 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
10 E13	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
10 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	390	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	82	LF	BROWN CAULK	ATLAS
10 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	52	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
10 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E14	FLOOR COVERING (TILE)	YES	NO	POOR	390	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E14	PIPE INSULATION	NO	YES	FAIR	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E14	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	14	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	82	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	672	SF	DRYWALL/WALL BOARD	AMIS
10 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	224	SF	SPACKLE JOINT MATERIAL	AMIS
10 E14	WALL COVERING (PANELS)	YES	NO	GOOD	312	SF	WALL PANEL, TRANSITE	ATLAS
10 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E15	PIPE INSULATION	NO	YES	GOOD	70	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	390	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	12	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	82	LF	BROWN CAULK	ATLAS
10 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	2	SF	WHITE AC DUCT MASTIC	AMIS
10 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E15	FLOOR COVERING (TILE)	YES	NO	POOR	390	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E15	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	82	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	672	SF	DRYWALL/WALL BOARD	AMIS
10 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	224	SF	SPACKLE JOINT MATERIAL	AMIS
10 E15	WALL COVERING (PANELS)	YES	NO	GOOD	312	SF	WALL PANEL, TRANSITE	AMIS
10 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E16	CEILING MATERIALS (TILE)	NO	NO	FAIR	210	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E16	CEILING MATERIALS (TILE)	NO	NO	FAIR	16	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	58	LF	BROWN CAULK	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E16	FLOOR COVERING (TILE)	YES	NO	POOR	210	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E16	PIPE INSULATION	NO	YES	GOOD	28(NF)	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E16	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	58	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E16	WALL COVERING (DRYWALL)	NO	NO	FAIR	528	SF	DRYWALL/WALL BOARD	AMIS
10 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	176	SF	SPACKLE JOINT MATERIAL	AMIS
10 E16	WALL COVERING (PANELS)	YES	NO	GOOD	168	SF	WALL PANEL, TRANSITE	AMIS
10 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	210	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	58	LF	BROWN CAULK	ATLAS
10 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E17	FLOOR COVERING (TILE)	YES	NO	FAIR	210	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E17	PIPE INSULATION	NO	YES	GOOD	68	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	58	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E17	WALL COVERING (DRYWALL)	NO	NO	FAIR	528	SF	DRYWALL/WALL BOARD	AMIS
10 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	176	SF	SPACKLE JOINT MATERIAL	AMIS
10 E17	WALL COVERING (PANELS)	YES	NO	GOOD	168	SF	WALL PANEL, TRANSITE	AMIS
10 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	120	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	46	LF	BROWN CAULK	ATLAS
10 E18	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E18	FLOOR COVERING (TILE)	YES	NO	POOR	120	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E18	WALL COVERING (BASEBOARD)	NO	NO	FAIR	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	456	SF	DRYWALL/WALL BOARD	AMIS
10 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	152	SF	SPACKLE JOINT MATERIAL	AMIS
10 E18	WALL COVERING (PANELS)	YES	NO	GOOD	96	SF	WALL PANEL, TRANSITE	AMIS
10 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	120	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E19	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	46	LF	BROWN CAULK	ATLAS
10 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E19	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E19	FLOOR COVERING (TILE)	YES	NO	POOR	120	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E19	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E19	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	8	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E19	WALL COVERING (DRYWALL)	NO	NO	FAIR	456	SF	DRYWALL/WALL BOARD	AMIS
10 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	152	SF	SPACKLE JOINT MATERIAL	AMIS
10 E19	WALL COVERING (PANELS)	YES	NO	GOOD	64	SF	WALL PANEL, TRANSITE	AMIS
10 E20	CEILING MATERIALS (TILE)	NO	NO	FAIR	330	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10 E20	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E20	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	74	LF	BROWN CAULK	ATLAS
10 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E20	FLOOR COVERING (TILE)	YES	NO	FAIR	330	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E20	PIPE INSULATION	NO	YES	POOR	20	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E20	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E20	WALL COVERING (BASEBOARD)	NO	NO	GOOD	74	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E20	WALL COVERING (DRYWALL)	NO	NO	POOR	624	SF	DRYWALL/WALL BOARD	AMIS
10 E20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	208	SF	SPACKLE JOINT MATERIAL	AMIS
10 E20	WALL COVERING (PANELS)	YES	NO	GOOD	264	SF	WALL PANEL, TRANSITE	ATLAS
10 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E21	CEILING MATERIALS (TILE)	NO	NO	FAIR	330	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E21	CEILING MATERIALS (TILE)	NO	NO	FAIR	40	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10 E21	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Random Pin Hole	ATLAS
10 E21	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	74	LF	BROWN CAULK	ATLAS
10 E21	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E21	FLOOR COVERING (TILE)	YES	NO	POOR	330	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E21	PIPE INSULATION	NO	YES	GOOD	74	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E21	FLOOR COVERING (TILE)	YES	NO	POOR	330	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E21	PIPE INSULATION	NO	YES	GOOD	74	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	74	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E21	WALL COVERING (DRYWALL)	NO	NO	FAIR	624	SF	DRYWALL/WALL BOARD	AMIS
10 E21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	208	SF	SPACKLE JOINT MATERIAL	AMIS
10 E21	WALL COVERING (PANELS)	YES	NO	GOOD	264	SF	WALL PANEL, TRANSITE	AMIS
10 E22	CEILING MATERIALS (TILE)	NO	NO	FAIR	327	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E22	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
10 E22	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E22	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	96	LF	BROWN CAULK	ATLAS
10 E22	CEILING MATERIALS (TILE)	NO	NO	FAIR	160	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
10 E22	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	5	SF	WHITE AC DUCT MASTIC	AMIS
10 E22	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E22	FLOOR COVERING (TILE)	YES	NO	POOR	495	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E22	PIPE INSULATION	NO	YES	GOOD	30	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
10 E22	PIPE INSULATION	NO	YES	FAIR	32	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E22	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	5	LF	BLACK STICKY PIPE WIPE	AMIS
10 E22	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	18	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E22	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	10(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	AMIS
10 E22	WALL COVERING (BASEBOARD)	NO	NO	FAIR	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E22	WALL COVERING (DRYWALL)	NO	NO	POOR	396	SF	DRYWALL/WALL BOARD	AMIS
10 E22	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	132	SF	SPACKLE JOINT MATERIAL	AMIS
10 E22	WALL COVERING (PANELS)	YES	NO	GOOD	576	SF	WALL PANEL, TRANSITE	AMIS
10 E23	CEILING MATERIALS (TILE)	NO	NO	FAIR	495	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10 E23	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10 E23	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	96	LF	BROWN CAULK	ATLAS
10 E23	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10 E23	WALL COVERING (BASEBOARD)	NO	NO	FAIR	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10 E23	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
10 E23	FLOOR COVERING (TILE)	YES	NO	FAIR	495	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10 E23	PIPE INSULATION	NO	YES	GOOD	30	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
10 E23	PIPE INSULATION	NO	YES	GOOD	48	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10 E23	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	16	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10 E23	PIPE INSULATION	YES	YES	GOOD	5(NF)	EA	4" OUTER DIAMETER SH SUPPLY LINE ELBOW MUDDED	ATLAS
10 E23	WALL COVERING (DRYWALL)	NO	NO	FAIR	396	SF	DRYWALL/WALL BOARD	AMIS
10 E23	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	132	SF	SPACKLE JOINT MATERIAL	AMIS
10 E23	WALL COVERING (PANELS)	YES	NO	GOOD	576	SF	WALL PANEL, TRANSITE	AMIS
10EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	3	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
10EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	45	LF	GRAY BUILDING SEAL	AMIS
10EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EEL01	WALL COVERING (DRYWALL)	NO	NO	FAIR	192	SF	DRYWALL/WALL BOARD	AMIS
10EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	64	SF	SPACKLE JOINT MATERIAL	AMIS
10EEL02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
10EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	45	LF	GRAY BUILDING SEAL	AMIS
10EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	4	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	192	SF	DRYWALL/WALL BOARD	AMIS
10EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	65	SF	SPACKLE JOINT MATERIAL	AMIS
10EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	775	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	40	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
10EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	32	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	345	LF	BROWN CAULK	ATLAS
10EH01	PIPE INSULATION	NO	YES	GOOD	11	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
10EH01	FLOOR COVERING (TILE)	YES	NO	POOR	850	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH01	PIPE INSULATION	NO	YES	GOOD	400	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	345	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	4,080	SF	DRYWALL/WALL BOARD	AMIS
10EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	1,360	SF	SPACKLE JOINT MATERIAL	AMIS
10EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	240	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	96	SF	SPACKLE JOINT MATERIAL	AMIS
10EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
10EH02	FLOOR COVERING (TILE)	YES	NO	POOR	240	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	80		BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	480	SF	DRYWALL/WALL BOARD	AMIS
10EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	190	SF	SPACKLE JOINT MATERIAL	AMIS
10EH03	CEILING MATERIALS (TILE)	NO	NO	FAIR	66	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	28	LF	BROWN CAULK	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
10EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EH03	FLOOR COVERING (TILE)	YES	NO	POOR	66	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH03	PIPE INSULATION	NO	YES	GOOD	10(NF)	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10EH03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	6-8" OUTER DIAMETER ELBOW RET & SUPPLY CHILL MUDDED	AMIS
10EH03	WALL COVERING (BASEBOARD)	NO	NO	FAIR	28	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH03	WALL COVERING (DRYWALL)	NO	NO	POOR	336	SF	DRYWALL/WALL BOARD	AMIS
10EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	96	SF	SPACKLE JOINT MATERIAL	AMIS
10EH03	WALL COVERING (PANELS)	YES	NO	GOOD	16(NF)	SF	WALL PANEL, TRANSITE	AMIS
10EH04	CEILING MATERIALS (TILE)	NO	NO	FAIR	66	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	28	LF	BROWN CAULK	ATLAS
10EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EH04	FLOOR COVERING (TILE)	YES	NO	POOR	66	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH04	WALL COVERING (BASEBOARD)	NO	NO	FAIR	28	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH04	WALL COVERING (DRYWALL)	NO	NO	POOR	336	SF	DRYWALL/WALL BOARD	AMIS
10EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	112	SF	SPACKLE JOINT MATERIAL	AMIS
10EH04	WALL COVERING (PANELS)	YES	NO	GOOD	16(NF)	SF	WALL PANEL, TRANSITE	AMIS
10EH05	FLOOR COVERING (TILE)	YES	NO	POOR	60	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH05	WALL COVERING (BASEBOARD)	NO	NO	FAIR	34	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH05	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
10EH05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	120	SF	SPACKLE JOINT MATERIAL	AMIS
10EH05	CEILING MATERIALS (TILE)	NO	NO	FAIR	60	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH05	CEILING MATERIALS (TILE)	NO	NO	FAIR	5	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
10EH05	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	34	LF	BROWN CAULK	ATLAS
10EH05	WALL COVERING (PANELS)	YES	NO	GOOD	48	SF	WALL PANEL, TRANSITE	AMIS
10EH05	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	34	LF	BROWN CAULK	ATLAS
10EH05	WALL COVERING (PANELS)	YES	NO	GOOD	48	SF	WALL PANEL, TRANSITE	AMIS
10EH05	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	160(NF)	SF	GREY NON-SLIP SURFACES COATING	AMIS
10EH06	FLOOR COVERING (TILE)	YES	NO	POOR	60	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
10EH06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	34	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
10EH06	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
10EH06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	120	SF	SPACKLE JOINT MATERIAL	AMIS
10EH06	CEILING MATERIALS (TILE)	NO	NO	FAIR	60	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
10EH06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	34	LF	BROWN CAULK	ATLAS
10EH06	WALL COVERING (PANELS)	YES	NO	GOOD	48	SF	WALL PANEL, TRANSITE	AMIS
10EH06	PIPE INSULATION	NO	YES	FAIR	12	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
10EH06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
10EH06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
10EH06	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	GOOD	200(NF)	SF	GREY NON-SLIP SURFACES COATING	AMIS
15 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
15 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E06	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E06	FLOOR COVERING (TILE)	YES	NO	POOR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E06	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E06	PIPE INSULATION	NO	NO	GOOD	19	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E06	PIPE INSULATION	NO	NO	GOOD	38	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E06	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
15 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
15 E06	WALL COVERING (PANELS)	YES	NO	GOOD	228	LF	WALL PANEL, TRANSITE	AMIS
15 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
15 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	35	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E07	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E07	FLOOR COVERING (TILE)	YES	NO	POOR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E07	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
15 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
15 E07	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
15 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
15 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
15 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	270	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E08	PIPE INSULATION	NO	YES	GOOD	6	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E08	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E08	PIPE INSULATION	NO	NO	GOOD	20	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E08	PIPE INSULATION	NO	NO	GOOD	50	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	17	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E08	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
15 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
15 E08	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
15 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	68	LF	BROWN CAULK	ATLAS
15 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
15 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E09	FLOOR COVERING (TILE)	YES	NO	POOR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E09	PIPE INSULATION	NO	YES	GOOD	6	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	9	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
15 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
15 E09	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
15 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	495	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	96	LF	BROWN CAULK	ATLAS
15 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E10	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E10	FLOOR COVERING (TILE)	YES	NO	POOR	495	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E10	PIPE INSULATION	NO	YES	POOR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E10	PIPE INSULATION	NO	YES	GOOD	33	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E10	PIPE INSULATION	NO	NO	GOOD	50	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E10	PIPE INSULATION	NO	NO	GOOD	100	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E10	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	16	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	96	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	756	SF	DRYWALL/WALL BOARD	AMIS
15 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	252	SF	SPACKLE JOINT MATERIAL	AMIS
15 E10	WALL COVERING (PANELS)	YES	NO	GOOD	396	SF	WALL PANEL, TRANSITE	AMIS
15 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
15 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E11	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E11	PIPE INSULATION	NO	YES	GOOD	4	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
15 E11	WALL COVERING (BASEBOARD)	NO	NO	FAIR	82	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E11	WALL COVERING (DRYWALL)	NO	NO	GOOD	672	SF	DRYWALL/WALL BOARD	AMIS
15 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	224	SF	SPACKLE JOINT MATERIAL	AMIS
15 E11	WALL COVERING (PANELS)	YES	NO	GOOD	312	SF	WALL PANEL, TRANSITE	AMIS
15 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	390	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	82	LF	BROWN CAULK	ATLAS
15 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
15 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E12	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	390	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E12	PIPE INSULATION	NO	YES	GOOD	30	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E12	PIPE INSULATION	NO	YES	GOOD	26	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E12	PIPE INSULATION	NO	NO	GOOD	26	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E12	PIPE INSULATION	NO	NO	GOOD	52	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	82	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E12	WALL COVERING (DRYWALL)	NO	NO	GOOD	672	SF	DRYWALL/WALL BOARD	AMIS
15 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	224	SF	SPACKLE JOINT MATERIAL	AMIS
15 E12	WALL COVERING (PANELS)	YES	NO	GOOD	312	SF	WALL PANEL, TRANSITE	AMIS
15 E13	CEILING MATERIALS (TILE)	NO	NO	POOR	420	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	86	LF	BROWN CAULK	ATLAS
15 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
15 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E13	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15 E13	FLOOR COVERING (TILE)	YES	NO	POOR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E13	PIPE INSULATION	NO	YES	GOOD	12	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	86	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E13	WALL COVERING (DRYWALL)	NO	NO	GOOD	696	SF	DRYWALL/WALL BOARD	AMIS
15 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	232	SF	SPACKLE JOINT MATERIAL	AMIS
15 E13	WALL COVERING (PANELS)	YES	NO	GOOD	336	SF	WALL PANEL, TRANSITE	AMIS
15 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
15 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	50	LF	BROWN CAULK	ATLAS
15 E14	CEILING MATERIALS (TILE)	NO	NO	POOR	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
15 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E14	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E14	PIPE INSULATION	NO	NO	GOOD	24	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E14	PIPE INSULATION	NO	NO	GOOD	36	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E14	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	27	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
15 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
15 E14	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
15 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
15 E14	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
15 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	50	LF	BROWN CAULK	ATLAS
15 E15	PIPE INSULATION	NO	NO	GOOD	6	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E15	PIPE INSULATION	NO	NO	GOOD	12	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
15 E15	FLOOR COVERING (TILE)	YES	NO	POOR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E15	WALL COVERING (DRYWALL)	NO	NO	POOR	480	SF	DRYWALL/WALL BOARD	AMIS
15 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
15 E15	WALL COVERING (PANELS)	YES	NO	GOOD	90	LF	WALL PANEL, TRANSITE	AMIS
15 E16	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	50	LF	BROWN CAULK	ATLAS
15 E16	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E16	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E16	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
15 E16	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E16	PIPE INSULATION	NO	NO	GOOD	28	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15 E16	PIPE INSULATION	NO	NO	GOOD	44	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E16	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	4	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
15 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
15 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E16	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
15 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
15 E16	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
15 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	ATLAS
15 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	50	LF	BROWN CAULK	ATLAS
15 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E17	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E17	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E17	PIPE INSULATION	NO	NO	GOOD	24	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E17	PIPE INSULATION	NO	NO	GOOD	29	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
15 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
15 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E17	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
15 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
15 E17	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
15 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	420	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E18	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E18	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
15 E18	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E18	FLOOR COVERING (TILE)	YES	NO	FAIR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	90	LF	BROWN CAULK	AMIS
15 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E18	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E18	PIPE INSULATION	NO	NO	GOOD	28	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E18	PIPE INSULATION	NO	NO	GOOD	65	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E18	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	695	SF	DRYWALL/WALL BOARD	AMIS
15 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	232	SF	SPACKLE JOINT MATERIAL	AMIS
15 E18	WALL COVERING (PANELS)	YES	NO	GOOD	336	SF	WALL PANEL, TRANSITE	AMIS
15 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	435	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E19	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	88	LF	BROWN CAULK	ATLAS
15 E19	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E19	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15 E19	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15 E19	FLOOR COVERING (TILE)	YES	NO	FAIR	435	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E19	PIPE INSULATION	NO	YES	GOOD	35	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
15 E19	PIPE INSULATION	NO	YES	GOOD	30	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
15 E19	PIPE INSULATION	NO	YES	GOOD	38	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E19	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	34	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	14	EA	6-8" OUTER DIAMETER SH LINE ELBOW MUDD	AMIS
15 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E19	WALL COVERING (DRYWALL)	NO	NO	GOOD	708	SF	DRYWALL/WALL BOARD	AMIS
15 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	236	SF	SPACKLE JOINT MATERIAL	AMIS
15 E19	WALL COVERING (PANELS)	YES	NO	GOOD	348	SF	WALL PANEL, TRANSITE	AMIS
15 E20	CEILING MATERIALS (TILE)	NO	NO	POOR	525	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E20	CEILING MATERIALS (TILE)	NO	NO	FAIR	24	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15 E20	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	100	LF	BROWN CAULK	ATLAS
15 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
15 E20	FLOOR COVERING (TILE)	YES	NO	POOR	32	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E20	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
15 E20	PIPE INSULATION	NO	YES	GOOD	60	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
15 E20	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E20	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E20	PIPE INSULATION	NO	NO	GOOD	15	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15 E20	PIPE INSULATION	NO	NO	GOOD	30	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15 E20	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	18	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E20	WALL COVERING (BASEBOARD)	NO	NO	POOR	5	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E20	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
15 E20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
15 E20	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
15 E21	CEILING MATERIALS (TILE)	NO	NO	POOR	525	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15 E21	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	100	LF	BROWN CAULK	ATLAS
15 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15 E21	FLOOR COVERING (TILE)	YES	NO	POOR	40	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15 E21	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	96	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
15 E21	PIPE INSULATION	NO	YES	GOOD	116	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
15 E21	PIPE INSULATION	NO	YES	GOOD	16	LF	2-4" SH SUPPLY/RETURN	AMIS
15 E21	PIPE INSULATION	NO	YES	GOOD	16	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
15 E21	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15 E21	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	38	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15 E21	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
15 E21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	94(NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15 E21	WALL COVERING (DRYWALL)	NO	NO	GOOD	360	SF	DRYWALL/WALL BOARD	AMIS
15 E21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
15 E21	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
15EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15EEL01	PIPE INSULATION	NO	YES	GOOD	70	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
15EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
15EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
15EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	4	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
15EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
15EEL02	PIPE INSULATION	NO	YES	GOOD	70	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
15EEL02	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
15EEL02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15EEL02	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
15EEL02	PIPE INSULATION	NO	NO	GOOD	6	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15EEL02	PIPE INSULATION	NO	NO	GOOD	12	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15EEL02	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	3	LF	BLACK STICKY PIPE WIPE	AMIS
15EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	9	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
15EEL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
15EEL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
15EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
15EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
15EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	285	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
15EH01	FLOOR COVERING (TILE)	YES	NO	POOR	850	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	762	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15EH01	PIPE INSULATION	NO	NO	FAIR	88	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15EH01	PIPE INSULATION	NO	YES	GOOD	12	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15EH01	PIPE INSULATION	NO	YES	GOOD	310	LF	2-4" SH SUPPLY/RETURN	AMIS
15EH01	PIPE INSULATION	NO	YES	GOOD	10	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
15EH01	PIPE INSULATION	NO	NO	GOOD	5	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15EH01	PIPE INSULATION	NO	NO	GOOD	5	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	62	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
15EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	4,080	SF	DRYWALL/WALL BOARD	AMIS
15EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	1,360	SF	SPACKLE JOINT MATERIAL	AMIS
15EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	345	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	345	LF	BROWN CAULK	ATLAS
15EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	240	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
15EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	YES	GOOD	92	LF	BROWN CAULK	ATLAS
15EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	80	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
15EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	56	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
15EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	240	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
15EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	57	LF	GRAY BUILDING SEAL	AMIS
15EH02	PIPE INSULATION	NO	YES	GOOD	80(NF)	LF	4" OUTER DIAMETER SH SUPPLY LN WHITE SKN FOIL MASTIC FBG	AMIS
15EH02	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
15EH02	PIPE INSULATION	NO	NO	GOOD	10	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
15EH02	PIPE INSULATION	NO	NO	GOOD	20	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
15EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	LF	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
15EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	480	SF	DRYWALL/WALL BOARD	AMIS
15EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
16 E05	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	14	LF	GRAY BUILDING SEAL	AMIS
16 E05	PIPE INSULATION	NO	YES	GOOD	18	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E05	PIPE INSULATION	NO	NO	GOOD	5(NF)	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
16 E05	PIPE INSULATION	NO	NO	GOOD	10(NF)	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
16 E05	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2(NF)	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	270	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	270	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	66	LF	BROWN CAULK	AMIS
16 E06	PIPE INSULATION	NO	YES	GOOD	18	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E06	WALL COVERING (DRYWALL)	NO	NO	FAIR	576	SF	DRYWALL/WALL BOARD	AMIS
16 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	192	SF	SPACKLE JOINT MATERIAL	AMIS
16 E06	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS
16 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	270	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
16 E07	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E07	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
16 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
16 E07	WALL COVERING (PANELS)	YES	NO	GOOD	528	SF	WALL PANEL, TRANSITE	AMIS
16 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	POOR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
16 E08	PIPE INSULATION	NO	YES	FAIR	5	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E08	PIPE INSULATION	NO	YES	GOOD	19	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	16	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16 E08	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
16 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
16 E08	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
16 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	205	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E09	CEILING MATERIALS (TILE)	NO	NO	GOOD	80	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
16 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2(NF)	SF	WHITE AC DUCT MASTIC	AMIS
16 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
16 E09	FLOOR COVERING (TILE)	YES	NO	GOOD	270(NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	66(NF)	SF	BROWN CAULK	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
16 E09	PIPE INSULATION	NO	YES	GOOD	12(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	12(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16 E09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	516	SF	DRYWALL/WALL BOARD	AMIS
16 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
16 E09	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
16 E10	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	2	LF	BLACK STICKY PIPE WIPE	AMIS
16 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
16 E10	PIPE INSULATION	NO	YES	GOOD	33	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E10	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	19	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E10	WALL COVERING (BASEBOARD)	NO	NO	FAIR	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	516	SF	DRYWALL/WALL BOARD	AMIS
16 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
16 E10	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
16 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100(NF)	SF	GRAY DUCT MASTIC	AMIS
16 E11	PIPE INSULATION	NO	YES	GOOD	24(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E11	PIPE INSULATION	NO	YES	GOOD	10(NF)	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E11	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	4(NF)	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
16 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	58(NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E11	WALL COVERING (DRYWALL)	NO	NO	GOOD	960	SF	DRYWALL/WALL BOARD	AMIS
16 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	320	SF	SPACKLE JOINT MATERIAL	AMIS
16 E11	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
16 E12	CEILING MATERIALS (TILE)	NO	NO	POOR	750	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E12	CEILING MATERIALS (TILE)	NO	NO	POOR	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
16 E12	WALL COVERING (DRYWALL)	NO	YES	POOR	240	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
16 E12	PIPE INSULATION	NO	YES	GOOD	34	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	21	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16 E12	CEILING MATERIALS (TILE)	NO	YES	POOR	16	SF	2' X 4' WHITE CEILING TILE WITH CHICKEN SCRATCH & PINHOLE PATTERN	AMIS
16 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	130	LF	BROWN CAULK	AMIS
16 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	36	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
16 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	960	SF	DRYWALL/WALL BOARD	AMIS
16 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	320	SF	SPACKLE JOINT MATERIAL	AMIS
16 E12	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
16 E12A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E12A	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	127	LF	BROWN CAULK	AMIS
16 E12A	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	39	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
16 E12A	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E12A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16 E12A	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16 E12A	WALL COVERING (DRYWALL)	NO	NO	GOOD	960	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
16 E12A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	320	SF	SPACKLE JOINT MATERIAL	AMIS
16 E12A	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
16 E13	CEILING MATERIALS (TILE)	NO	NO	POOR	750	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E13	PIPE INSULATION	NO	YES	GOOD	60	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E13	CEILING MATERIALS (TILE)	NO	YES	GOOD	40(NF)	SF	2' X 4' WHITE CEILING TILE WITH CHICKEN SCRATCH & PINHOLE PATTERN	AMIS
16 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E13	FLOOR COVERING (TILE)	NO	NO	GOOD	24	SF	2' X 2' RAISED FLOOR TILE	AMIS
16 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	56(NF)	LF	BROWN CAULK	AMIS
16 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	75(NF)	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
16 E13	PIPE INSULATION	NO	YES	GOOD	120	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
16 E13	PIPE INSULATION	NO	YES	GOOD	200	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E13	PIPE INSULATION	NO	YES	GOOD	28	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
16 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
16 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	20	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
16 E13	WALL COVERING (DRYWALL)	NO	NO	GOOD	516	SF	DRYWALL/WALL BOARD	AMIS
16 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	172	SF	SPACKLE JOINT MATERIAL	AMIS
16 E13	WALL COVERING (PANELS)	YES	NO	GOOD	156	SF	WALL PANEL, TRANSITE	AMIS
16 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	195	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E14	FLOOR COVERING (TILE)	YES	NO	GOOD	195	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	56(NF)	LF	BROWN CAULK	AMIS
16 E14	PIPE INSULATION	NO	YES	GOOD	12(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E14	PIPE INSULATION	NO	NO	GOOD	12	EA	4-6" BROWN PAPER O/FOIL O/FIBERGLASS DRAIN LINE	AMIS
16 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	430	SF	DRYWALL/WALL BOARD	AMIS
16 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	143	SF	SPACKLE JOINT MATERIAL	AMIS
16 E14	WALL COVERING (PANELS)	YES	NO	GOOD	130	SF	WALL PANEL, TRANSITE	AMIS
16 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
16 E15	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	19	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
16 E15	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E15	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
16 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E15	WALL COVERING (DRYWALL)	NO	NO	GOOD	504	SF	DRYWALL/WALL BOARD	AMIS
16 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	168	SF	SPACKLE JOINT MATERIAL	AMIS
16 E15	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
16 E16	CEILING MATERIALS (TILE)	NO	NO	POOR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E16	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
16 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E16	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
16 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
16 E16	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
16 E17	CEILING MATERIALS (TILE)	NO	NO	POOR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	32	SF	WHITE AC DUCT MASTIC	AMIS
16 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E17	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
16 E17	PIPE INSULATION	NO	YES	GOOD	44	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E17	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E17	PIPE INSULATION	NO	YES	GOOD	22	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E17	PIPE INSULATION	NO	NO	GOOD	2	EA	4-6" BROWN PAPER O/FOIL O/FIBERGLASS DRAIN LINE	AMIS
16 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E17	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
16 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
16 E17	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
16 E18	CEILING MATERIALS (TILE)	NO	NO	POOR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
16 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	GRAY DUCT MASTIC	AMIS
16 E18	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
16 E18	FLOOR COVERING (TILE)	YES	NO	FAIR	315	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	72	LF	BROWN CAULK	AMIS
16 E18	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E18	PIPE INSULATION	NO	YES	GOOD	22	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	13	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	72	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	612	SF	DRYWALL/WALL BOARD	AMIS
16 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	204	SF	SPACKLE JOINT MATERIAL	AMIS
16 E18	WALL COVERING (PANELS)	YES	NO	GOOD	252	SF	WALL PANEL, TRANSITE	AMIS
16 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
16 E19	FLOOR COVERING (OTHER)	NO	NO	GOOD	3	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
16 E19	PIPE INSULATION	NO	YES	GOOD	30	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
16 E19	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E19	PIPE INSULATION	NO	YES	GOOD	22	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER SH LINE ELBOW MUDD	AMIS
16 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	31	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	72	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E19	WALL COVERING (DRYWALL)	NO	NO	GOOD	612	SF	DRYWALL/WALL BOARD	AMIS
16 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	204	SF	SPACKLE JOINT MATERIAL	AMIS
16 E19	WALL COVERING (PANELS)	YES	NO	GOOD	252	SF	WALL PANEL, TRANSITE	AMIS
16 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	GRAY DUCT MASTIC	AMIS
16 E20	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E20	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
16 E20	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E20	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	3	LF	BLACK STICKY PIPE WIPE	AMIS
16 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	18	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
16 E20	WALL COVERING (BASEBOARD)	NO	NO	GOOD	94	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E20	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
16 E20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
16 E20	WALL COVERING (PANELS)	YES	NO	GOOD	540	SF	WALL PANEL, TRANSITE	AMIS
16 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	64	SF	GRAY DUCT MASTIC	AMIS
16 E21	PIPE INSULATION	NO	YES	GOOD	64	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16 E21	PIPE INSULATION	NO	YES	GOOD	6(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
16 E21	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16 E21	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	3	LF	BLACK STICKY PIPE WIPE	AMIS
16 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	23	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
16 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
16 E21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16 E21	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
16 E21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
16 E21	WALL COVERING (PANELS)	YES	NO	GOOD	540	SF	WALL PANEL, TRANSITE	AMIS
16 E23	WALL COVERING (PANELS)	YES	NO	GOOD	924	SF	WALL PANEL, TRANSITE	AMIS
16 E23	WALL COVERING (DRYWALL)	NO	YES	GOOD	240	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
16EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
16EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	30	LF	GRAY BUILDING SEAL	AMIS
16EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	192	SF	DRYWALL/WALL BOARD	AMIS
16EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	64	SF	SPACKLE JOINT MATERIAL	AMIS
16EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	2	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
16EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
16EEL02	PIPE INSULATION	NO	YES	GOOD	3	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
16EEL02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16EEL02	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
16EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	30	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
16EEL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
16EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
16EH01	CEILING MATERIALS (TILE)	NO	NO	POOR	760	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16EH01	CEILING MATERIALS (TILE)	NO	YES	POOR	48	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
16EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	285	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16EH01	FLOOR COVERING (TILE)	YES	NO	POOR	530	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	346	LF	BROWN CAULK	AMIS
16EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	30	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
16EH01	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
16EH01	PIPE INSULATION	NO	YES	GOOD	400	LF	2-4" SH SUPPLY/RETURN	AMIS
16EH01	PIPE INSULATION	NO	YES	GOOD	180	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16EH01	PIPE INSULATION	NO	YES	GOOD	100(NF)	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
16EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	100	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
16EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	346	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	4,130	SF	DRYWALL/WALL BOARD	AMIS
16EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	1,376	SF	SPACKLE JOINT MATERIAL	AMIS
16EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	240	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
16EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	8	SF	2' X 4' RANDOM PIN HOLE	AMIS
16EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	16	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
16EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16EH02	FLOOR COVERING (TILE)	YES	NO	POOR	240	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	80	LF	GRAY BUILDING SEAL	AMIS
16EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
16EH02	PIPE INSULATION	NO	YES	GOOD	18	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16EH02	PIPE INSULATION	NO	YES	GOOD	30(NF)	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
16EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
16EH02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
16EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16EH02	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
16EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	170	SF	SPACKLE JOINT MATERIAL	AMIS
16EH03	CEILING MATERIALS (TILE)	NO	NO	POOR	75	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	24	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16EH03	FLOOR COVERING (TILE)	YES	NO	POOR	75	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
16EH03	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
16EH03	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16EH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16EH03	WALL COVERING (BASEBOARD)	NO	NO	FAIR	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16EH03	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
16EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
16EH03	WALL COVERING (PANELS)	YES	NO	GOOD	60	SF	WALL PANEL, TRANSITE	AMIS
16EH04	CEILING MATERIALS (TILE)	NO	NO	POOR	75	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
16EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
16EH04	FLOOR COVERING (TILE)	YES	NO	POOR	75	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
16EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
16EH04	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
16EH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
16EH04	WALL COVERING (BASEBOARD)	NO	NO	FAIR	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
16EH04	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
16EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
16EH04	WALL COVERING (PANELS)	YES	NO	GOOD	60	SF	WALL PANEL, TRANSITE	AMIS
22 E05	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	18(NF)	LF	GRAY BUILDING SEAL	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22 E05	PIPE INSULATION	NO	NO	GOOD	12(NF)	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
22 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
22 E06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E06	WALL COVERING (DRYWALL)	NO	NO	GOOD	588	SF	DRYWALL/WALL BOARD	AMIS
22 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
22 E06	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
22 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	285	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
22 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	304	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	70	LF	BROWN CAULK	AMIS
22 E07	PIPE INSULATION	NO	NO	GOOD	19	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
22 E07	PIPE INSULATION	NO	NO	GOOD	38	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	612	SF	DRYWALL/WALL BOARD	AMIS
22 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	204	SF	SPACKLE JOINT MATERIAL	AMIS
22 E07	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
22 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	288	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	8	SF	2' X 2' CHIPPED PINHOLE CT	ATLAS
22 E08	CEILING MATERIALS (TILE)	NO	NO	POOR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
22 E08	CEILING MATERIALS (TILE)	NO	YES	POOR	8	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
22 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
22 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	285	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	68	LF	BROWN CAULK	AMIS
22 E08	PIPE INSULATION	NO	YES	POOR	12	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	588	SF	DRYWALL/WALL BOARD	AMIS
22 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	196	SF	SPACKLE JOINT MATERIAL	AMIS
22 E08	WALL COVERING (PANELS)	YES	NO	GOOD	228	SF	WALL PANEL, TRANSITE	AMIS
22 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	275	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E09	CEILING MATERIALS (TILE)	NO	NO	GOOD	20(NF)	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
22 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	90	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
22 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	106	LF	BROWN CAULK	AMIS
22 E09	PIPE INSULATION	NO	YES	POOR	30	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E09	PIPE INSULATION	NO	NO	GOOD	19	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22 E09	PIPE INSULATION	NO	NO	GOOD	38	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	12	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E09	WALL COVERING (DRYWALL)	NO	NO	POOR	816	SF	DRYWALL/WALL BOARD	AMIS
22 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	272	SF	SPACKLE JOINT MATERIAL	AMIS
22 E09	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
22 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	570	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E10	WALL COVERING (DRYWALL)	NO	YES	FAIR	480	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
22 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	60	SF	GRAY DUCT MASTIC	AMIS
22 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	4	SF	WHITE AC DUCT MASTIC	AMIS
22 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
22 E10	FLOOR COVERING (TILE)	YES	NO	GOOD	210(NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	3(NF)	LF	BROWN CAULK	AMIS
22 E10	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E10	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	12	LF	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	104	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	804	SF	DRYWALL/WALL BOARD	AMIS
22 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	268	SF	SPACKLE JOINT MATERIAL	AMIS
22 E10	WALL COVERING (PANELS)	YES	NO	GOOD	444	SF	WALL PANEL, TRANSITE	AMIS
22 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E10	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	39	LF	BROWN CAULK	AMIS
22 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
22 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
22 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
22 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
22 E10	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
22 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E10	FLOOR COVERING (TILE)	YES	NO	GOOD	180	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	39	LF	BROWN CAULK	AMIS
22 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	39	LF	BROWN CAULK	AMIS
22 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
22 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
22 E10	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
22 E11	WALL COVERING (DRYWALL)	NO	YES	FAIR	240	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
22 E11	CEILING MATERIALS (TILE)	NO	NO	GOOD	120	SF	12" WHITE NATURAL FISSURE WITH PINHOLES	ATLAS
22 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
22 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
22 E11	PIPE INSULATION	NO	YES	FAIR	52	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E11	PIPE INSULATION	NO	NO	GOOD	35(NF)	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
22 E11	PIPE INSULATION	NO	NO	GOOD	70(NF)	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
22 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
22 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5(NF)	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
22 E11	WALL COVERING (BASEBOARD)	NO	NO	FAIR	86	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	696	SF	DRYWALL/WALL BOARD	AMIS
22 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	232	SF	SPACKLE JOINT MATERIAL	AMIS
22 E11	WALL COVERING (PANELS)	YES	NO	GOOD	336	SF	WALL PANEL, TRANSITE	AMIS
22 E11 / A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	GRAY DUCT MASTIC	AMIS
22 E11 / A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E11 / A	WALL COVERING (DRYWALL)	NO	NO	GOOD	400	SF	DRYWALL/WALL BOARD	AMIS
22 E11 / A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	133	SF	SPACKLE JOINT MATERIAL	AMIS
22 E11 / A	WALL COVERING (PANELS)	YES	NO	GOOD	100	SF	WALL PANEL, TRANSITE	AMIS
22 E12	CEILING MATERIALS (TILE)	NO	NO	POOR	420	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	420	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	86	LF	BROWN CAULK	AMIS
22 E12	PIPE INSULATION	NO	YES	FAIR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	18	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E12	WALL COVERING (BASEBOARD)	NO	NO	FAIR	84	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E12	WALL COVERING (DRYWALL)	NO	NO	GOOD	684	SF	DRYWALL/WALL BOARD	AMIS
22 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	228	SF	SPACKLE JOINT MATERIAL	AMIS
22 E12	WALL COVERING (PANELS)	YES	NO	GOOD	324	SF	WALL PANEL, TRANSITE	AMIS
22 E13	CEILING MATERIALS (TILE)	NO	NO	POOR	405	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E13	CEILING MATERIALS (TILE)	NO	YES	GOOD	8(NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
22 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
22 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
22 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
22 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
22 E13	PIPE INSULATION	NO	YES	GOOD	16(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E13	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
22 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
22 E13	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
22 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
22 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
22 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
22 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
22 E14	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
22 E15	CEILING MATERIALS (TILE)	NO	NO	FAIR	150	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
22 E15	FLOOR COVERING (TILE)	YES	NO	FAIR	585	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22 E15	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	108	LF	BROWN CAULK	AMIS
22 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	108	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	828	SF	DRYWALL/WALL BOARD	AMIS
22 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	276	SF	SPACKLE JOINT MATERIAL	AMIS
22 E15	WALL COVERING (PANELS)	YES	NO	GOOD	468	SF	WALL PANEL, TRANSITE	AMIS
22 E16	CEILING MATERIALS (TILE)	NO	NO	POOR	585	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E16	CEILING MATERIALS (TILE)	NO	YES	FAIR	16	SF	2' X 4' RANDOM PIN HOLE	AMIS
22 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	12	LF	BLACK EDGE STRIPING	AMIS
22 E16	FLOOR COVERING (TILE)	YES	NO	FAIR	585	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
22 E16	PIPE INSULATION	NO	YES	FAIR	60	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E16	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	44	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E16	WALL COVERING (DRYWALL)	NO	NO	GOOD	828	SF	DRYWALL/WALL BOARD	AMIS
22 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	276	SF	SPACKLE JOINT MATERIAL	AMIS
22 E16	WALL COVERING (PANELS)	YES	NO	GOOD	468	SF	WALL PANEL, TRANSITE	AMIS
22 E17	CEILING MATERIALS (TILE)	NO	NO	FAIR	585	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E17	CEILING MATERIALS (TILE)	NO	YES	GOOD	8(NF)	SF	2' X 4' RANDOM PIN HOLE	AMIS
22 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	8	SF	WHITE AC DUCT MASTIC	AMIS
22 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	12(NF)	LF	BLACK EDGE STRIPING	AMIS
22 E17	FLOOR COVERING (TILE)	YES	NO	FAIR	40	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	12(NF)	LF	BLACK EDGE STRIPING	AMIS
22 E17	FLOOR COVERING (TILE)	YES	NO	FAIR	40	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	110	LF	BROWN CAULK	AMIS
22 E17	PIPE INSULATION	NO	YES	GOOD	42	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
22 E17	PIPE INSULATION	NO	YES	GOOD	28	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E17	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	30	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E17	WALL COVERING (BASEBOARD)	NO	NO	POOR	5	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E17	WALL COVERING (DRYWALL)	NO	NO	FAIR	360	SF	DRYWALL/WALL BOARD	AMIS
22 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
22 E17	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
22 E18	CEILING MATERIALS (TILE)	NO	YES	FAIR	16	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
22 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	462	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22 E18	CEILING MATERIALS (TILE)	NO	NO	FAIR	48	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
22 E18	CEILING MATERIALS (TILE)	NO	YES	GOOD	24(NF)	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
22 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E18	FLOOR COVERING (TILE)	YES	NO	FAIR	40	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E18	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
22 E18	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	125	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
22 E18	PIPE INSULATION	NO	YES	GOOD	126	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
22 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E18	PIPE INSULATION	NO	YES	GOOD	45	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
22 E18	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	20	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E18	WALL COVERING (BASEBOARD)	NO	NO	POOR	6	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E18	WALL COVERING (DRYWALL)	NO	NO	FAIR	440	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	145	SF	SPACKLE JOINT MATERIAL	AMIS
22 E18	WALL COVERING (PANELS)	YES	NO	GOOD	492	SF	WALL PANEL, TRANSITE	AMIS
22 E19	CEILING MATERIALS (TILE)	NO	NO	GOOD	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
22 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22 E19	FLOOR COVERING (TILE)	YES	NO	GOOD	35	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22 E19	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
22 E19	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	105	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
22 E19	PIPE INSULATION	NO	YES	GOOD	110	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
22 E19	PIPE INSULATION	NO	YES	GOOD	16	LF	2-4" SH SUPPLY/RETURN	AMIS
22 E19	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
22 E19	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	50	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	6	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22 E19	WALL COVERING (DRYWALL)	NO	NO	GOOD	320	SF	DRYWALL/WALL BOARD	AMIS
22 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	107	SF	SPACKLE JOINT MATERIAL	AMIS
22 E19	WALL COVERING (PANELS)	YES	NO	GOOD	350	SF	WALL PANEL, TRANSITE	AMIS
22EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	GRAY DUCT MASTIC	AMIS
22EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	8	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
22EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
22EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
22EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
22EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	8	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
22EEL02	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
22EEL02	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
22EEL02	PIPE INSULATION	NO	NO	GOOD	10	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22EEL02	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	2	LF	BLACK STICKY PIPE WIPE	AMIS
22EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	15	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	4	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
22EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
22EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
22EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	850	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22EH01	FLOOR COVERING (TILE)	YES	NO	POOR	350	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	340	LF	BROWN CAULK	AMIS
22EH01	PIPE INSULATION	NO	YES	GOOD	6	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
22EH01	PIPE INSULATION	NO	YES	GOOD	328	LF	2-4" SH SUPPLY/RETURN	AMIS
22EH01	PIPE INSULATION	NO	YES	GOOD	6	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
22EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	50	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	346	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	480	SF	DRYWALL/WALL BOARD	AMIS
22EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	1,360	SF	SPACKLE JOINT MATERIAL	AMIS
22EH02	CEILING MATERIALS (TILE)	NO	NO	FAIR	94	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
22EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	40	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
22EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	4	SF	2X4 WHITE, RANDOM PINHOLES, LIGHTLY TEXTURED	AMIS
22EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
22EH02	FLOOR COVERING (TILE)	YES	NO	POOR	138	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
22EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	50	LF	GRAY BUILDING SEAL	AMIS
22EH02	PIPE INSULATION	NO	NO	GOOD	23	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
22EH02	PIPE INSULATION	NO	NO	GOOD	46	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
22EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	3	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
22EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	2	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
22EH02	WALL COVERING (BASEBOARD)	NO	NO	POOR	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
22EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	276	SF	DRYWALL/WALL BOARD	AMIS
22EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	92	SF	SPACKLE JOINT MATERIAL	AMIS
24 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	170	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
24 E06	WALL COVERING (DRYWALL)	NO	YES	GOOD	115	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
24 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
24 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	170	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	38	LF	BROWN CAULK	AMIS
24 E06	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E06	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
24 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
24 E06	WALL COVERING (PANELS)	YES	NO	GOOD	145	SF	WALL PANEL, TRANSITE	AMIS
24 E08	WALL COVERING (DRYWALL)	NO	YES	GOOD	115	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
24 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	365	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
24 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
24 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	365	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	65	LF	BROWN CAULK	AMIS
24 E08	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E08	PIPE INSULATION	NO	YES	GOOD	26	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	1	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	65	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	430	SF	DRYWALL/WALL BOARD	AMIS
24 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	145	SF	SPACKLE JOINT MATERIAL	AMIS
24 E08	WALL COVERING (PANELS)	YES	NO	GOOD	260	SF	WALL PANEL, TRANSITE	AMIS
24 E10	PIPE INSULATION	NO	YES	GOOD	12	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E10	PIPE INSULATION	NO	YES	GOOD	1	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	136	SF	GRAY DUCT MASTIC	AMIS
24 E10	PIPE INSULATION	NO	YES	GOOD	12(NF)	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
24 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	52	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	456	SF	DRYWALL/WALL BOARD	AMIS
24 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	165	SF	SPACKLE JOINT MATERIAL	AMIS
24 E10	WALL COVERING (PANELS)	YES	NO	GOOD	145	SF	WALL PANEL, TRANSITE	AMIS
24 E11	PIPE INSULATION	NO	YES	GOOD	1	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	175(NF)	SF	GRAY DUCT MASTIC	AMIS
24 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	54(NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
24 E11	WALL COVERING (DRYWALL)	NO	NO	GOOD	856	SF	DRYWALL/WALL BOARD	AMIS
24 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	624	SF	SPACKLE JOINT MATERIAL	AMIS
24 E11	WALL COVERING (PANELS)	YES	NO	GOOD	144	SF	WALL PANEL, TRANSITE	AMIS
24 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	730	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
24 E12	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	WHITE AC DUCT MASTIC	AMIS
24 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	135	LF	BROWN CAULK	AMIS
24 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	725	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
24 E12	PIPE INSULATION	NO	YES	FAIR	20	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E12	PIPE INSULATION	NO	YES	GOOD	20(NF)	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
24 E12	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E12	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	9	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24 E12	WALL COVERING (DRYWALL)	NO	NO	GOOD	836	SF	DRYWALL/WALL BOARD	AMIS
24 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	278	SF	SPACKLE JOINT MATERIAL	AMIS
24 E12	WALL COVERING (PANELS)	YES	NO	GOOD	610	SF	WALL PANEL, TRANSITE	AMIS
24 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	700	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
24 E13	PIPE INSULATION	NO	YES	POOR	15	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	195	SF	2'X4' White Yellow Core White Yellow Bottom	ATLAS
24 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
24 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	195	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	56	LF	BROWN CAULK	AMIS
24 E14	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E14	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24 E14	WALL COVERING (BASEBOARD)	NO	NO	FAIR	56	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	490	SF	DRYWALL/WALL BOARD	AMIS
24 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	165	SF	SPACKLE JOINT MATERIAL	AMIS
24 E14	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
24 E15	CEILING MATERIALS (TILE)	NO	YES	FAIR	195	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4(NF)	SF	SILVER DUCT MASTIC ON AC	AMIS
24 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
24 E15	FLOOR COVERING (TILE)	YES	NO	FAIR	300	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
24 E15	PIPE INSULATION	NO	YES	FAIR	18	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	10	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	600	SF	DRYWALL/WALL BOARD	AMIS
24 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
24 E15	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
24 E15A	CEILING MATERIALS (TILE)	NO	YES	GOOD	720(NF)	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24 E15A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60 (NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E15A	PIPE INSULATION	NO	YES	GOOD	6 (NF)	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
24 E15A	PIPE INSULATION	NO	YES	FAIR	20 (NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E15A	PIPE INSULATION	NO	YES	FAIR	10 (NF)	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
24 E15A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2 (NF)	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
24 E15A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	12 (NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E15A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6 (NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
24 E15A	WALL COVERING (DRYWALL)	NO	NO	GOOD	1152 (NF)	SF	DRYWALL/WALL BOARD	AMIS
24 E15A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	384 (NF)	SF	SPACKLE JOINT MATERIAL	AMIS
24 E15A	WALL COVERING (PANELS)	YES	NO	GOOD	432 (NF)	SF	WALL PANEL, TRANSITE	AMIS
24 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	70	LF	BROWN CAULK	AMIS
24 E16	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	130	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
24 E16	FLOOR COVERING (TILE)	YES	NO	FAIR	300	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
24 E16	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E16	WALL COVERING (DRYWALL)	NO	NO	FAIR	530	SF	DRYWALL/WALL BOARD	AMIS
24 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
24 E16	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
24 E16A	PIPE INSULATION	NO	YES	POOR	2	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E16A	WALL COVERING (DRYWALL)	NO	YES	GOOD	144	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
24 E16A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	14	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E16A	CEILING MATERIALS (TILE)	YES	YES	GOOD	205	SF	12X12 ACOSTICAL TILE WHITE WITH PINHOLES	ATLAS
24 E16A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	230	SF	GRAY DUCT MASTIC	AMIS
24 E16A	PIPE INSULATION	NO	YES	GOOD	8(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E16A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	4(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E16A	WALL COVERING (PANELS)	YES	NO	GOOD	2,700	SF	WALL PANEL, TRANSITE	AMIS
24 E17	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	70	LF	BROWN CAULK	AMIS
24 E17	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24 E17	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
24 E17	FLOOR COVERING (TILE)	YES	NO	GOOD	420(NF)	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
24 E17	PIPE INSULATION	NO	YES	FAIR	12(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	10(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E17	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E17	WALL COVERING (DRYWALL)	NO	NO	GOOD	600	SF	DRYWALL/WALL BOARD	AMIS
24 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
24 E17	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
24 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
24 E18	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
24 E18	PIPE INSULATION	NO	YES	FAIR	50	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
24 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	66	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
24 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
24 E18	WALL COVERING (PANELS)	YES	NO	GOOD	216	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
24 E19	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	GRAY DUCT MASTIC	AMIS
24 E19	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
24 E19	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E19	PIPE INSULATION	NO	YES	GOOD	50(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
24 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
24 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	9	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E19	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	16(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
24 E19	WALL COVERING (BASEBOARD)	NO	NO	GOOD	38	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E19	WALL COVERING (DRYWALL)	NO	NO	GOOD	268	SF	DRYWALL/WALL BOARD	AMIS
24 E19	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	145	SF	SPACKLE JOINT MATERIAL	AMIS
24 E19	WALL COVERING (PANELS)	YES	NO	GOOD	234	SF	WALL PANEL, TRANSITE	AMIS
24 E20	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	GRAY DUCT MASTIC	AMIS
24 E20	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E20	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
24 E20	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
24 E20	WALL COVERING (BASEBOARD)	NO	NO	GOOD	102	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E20	WALL COVERING (DRYWALL)	NO	NO	GOOD	360	SF	DRYWALL/WALL BOARD	AMIS
24 E20	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
24 E20	WALL COVERING (PANELS)	YES	NO	GOOD	686	SF	WALL PANEL, TRANSITE	AMIS
24 E21	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	GRAY DUCT MASTIC	AMIS
24 E21	PIPE INSULATION	NO	YES	GOOD	40	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
24 E21	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
24 E21	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	16	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
24 E21	WALL COVERING (BASEBOARD)	NO	NO	GOOD	98	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24 E21	WALL COVERING (DRYWALL)	NO	NO	GOOD	416	SF	DRYWALL/WALL BOARD	AMIS
24 E21	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	138	SF	SPACKLE JOINT MATERIAL	AMIS
24 E21	WALL COVERING (PANELS)	YES	NO	GOOD	637	SF	WALL PANEL, TRANSITE	AMIS
24E01A	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	78	SF	GRAY BUILDING SEAL	AMIS
24E05A	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	5	SF	GRAY BUILDING SEAL	AMIS
24E07/24E09	PIPE INSULATION	NO	YES	GOOD	5	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24E07/24E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24E07/24E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
24E07/24E09	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24E07/24E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	106	LF	BROWN CAULK	AMIS
24E07/24E09	PIPE INSULATION	NO	YES	GOOD	5	LF	2-4" SH SUPPLY/RETURN	AMIS
24E07/24E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	6	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24E07/24E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24E07/24E09	WALL COVERING (DRYWALL)	NO	NO	GOOD	680	SF	DRYWALL/WALL BOARD	AMIS
24E07/24E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	226	SF	SPACKLE JOINT MATERIAL	AMIS
24E07/24E09	WALL COVERING (PANELS)	YES	NO	GOOD	456	SF	WALL PANEL, TRANSITE	AMIS
24E-EL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	20	SF	BLACK BUILDING SEAL	AMIS
24E-EL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	38	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24E-EL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	570	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
24E-EL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
24E-EL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	25	SF	BLACK BUILDING SEAL	AMIS
24E-EL02	PIPE INSULATION	NO	YES	GOOD	5	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24E-EL02	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
24E-EL02	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24E-EL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	1.5"-2" OUTER DIAMETER MUDDED ELBOW ON HOT H20 LINE	AMIS
24E-EL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	MUDDED ELBOW	AMIS
24E-EL02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1.5"-2" OUTER DIAMETER COLD H20 POTABLE	AMIS
24E-EL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	15	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24E-EL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	825	SF	DRYWALL/WALL BOARD	AMIS
24E-EL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	275	SF	SPACKLE JOINT MATERIAL	AMIS
24EH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	860	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
24EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,000	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24EH01	FLOOR COVERING (TILE)	YES	NO	POOR	540	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	355	LF	BROWN CAULK	AMIS
24EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	70	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
24EH01	PIPE INSULATION	NO	YES	GOOD	200	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
24EH01	PIPE INSULATION	NO	YES	GOOD	260	LF	2-4" SH SUPPLY/RETURN	AMIS
24EH01	PIPE INSULATION	NO	YES	GOOD	6	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	50	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24EH01	WALL COVERING (BASEBOARD)	NO	NO	POOR	245	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24EH01	WALL COVERING (DRYWALL)	NO	NO	GOOD	3,440	SF	DRYWALL/WALL BOARD	AMIS
24EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	1,145	SF	SPACKLE JOINT MATERIAL	AMIS
24EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	240	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
24EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	16	SF	2' X 4' RANDOM PIN HOLE	AMIS
24EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	60	LF	GRAY BUILDING SEAL	AMIS
24EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
24EH02	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24EH02	PIPE INSULATION	NO	NO	GOOD	15	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
24EH02	PIPE INSULATION	NO	NO	GOOD	30	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
24EH02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
24EH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	340	SF	DRYWALL/WALL BOARD	AMIS
24EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	115	SF	SPACKLE JOINT MATERIAL	AMIS
24EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
24EH03	FLOOR COVERING (TILE)	YES	NO	FAIR	70	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
24EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	38	LF	BROWN CAULK	AMIS
24EH03	PIPE INSULATION	NO	YES	GOOD	5	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
24EH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
24EH03	WALL COVERING (DRYWALL)	NO	NO	GOOD	330	SF	DRYWALL/WALL BOARD	AMIS
24EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	110	SF	SPACKLE JOINT MATERIAL	AMIS
25 E05	CEILING MATERIALS (TILE)	NO	YES	POOR	345	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25 E05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E05	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25 E05	FLOOR COVERING (TILE)	YES	NO	FAIR	345	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25 E05	PIPE INSULATION	NO	NO	GOOD	28(NF)	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E05	PIPE INSULATION	NO	NO	GOOD	55(NF)	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E05	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E05	WALL COVERING (BASEBOARD)	NO	NO	FAIR	80	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E05	WALL COVERING (DRYWALL)	NO	NO	FAIR	590	SF	DRYWALL/WALL BOARD	AMIS
25 E05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
25 E05	WALL COVERING (PANELS)	YES	NO	GOOD	280	SF	WALL PANEL, TRANSITE	AMIS
25 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD		LF	BROWN CAULK	AMIS
25 E06	CEILING MATERIALS (TILE)	NO	YES	POOR	135	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	135	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25 E06	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E06	WALL COVERING (DRYWALL)	NO	NO	POOR	390	SF	DRYWALL/WALL BOARD	AMIS
25 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS
25 E06	WALL COVERING (PANELS)	YES	NO	GOOD	110	SF	WALL PANEL, TRANSITE	AMIS
25 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	135	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25 E07	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
25 E07	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E07	PIPE INSULATION	NO	NO	GOOD	15	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E07	PIPE INSULATION	NO	NO	GOOD	25	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E07	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E07	WALL COVERING (DRYWALL)	NO	NO	POOR	390	SF	DRYWALL/WALL BOARD	AMIS
25 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	130	SF	SPACKLE JOINT MATERIAL	AMIS
25 E07	WALL COVERING (PANELS)	YES	NO	GOOD	110	SF	WALL PANEL, TRANSITE	AMIS
25 E08	PIPE INSULATION	YES	YES	GOOD	7	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
25 E08	FLOOR COVERING (TILE)	YES	NO	GOOD	135(NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	48(NF)	LF	BROWN CAULK	AMIS
25 E08	PIPE INSULATION	NO	YES	GOOD	10(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25 E08	WALL COVERING (BASEBOARD)	NO	NO	FAIR	60	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	520	SF	DRYWALL/WALL BOARD	AMIS
25 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
25 E08	WALL COVERING (PANELS)	YES	NO	GOOD	160	SF	WALL PANEL, TRANSITE	AMIS
25 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	GRAY DUCT MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25 E09	PIPE INSULATION	NO	NO	GOOD	15	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E09	PIPE INSULATION	NO	NO	GOOD	35	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E09	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25 E09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	60	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	520	SF	DRYWALL/WALL BOARD	AMIS
25 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
25 E09	WALL COVERING (PANELS)	YES	NO	GOOD	160	SF	WALL PANEL, TRANSITE	AMIS
25 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	120	SF	GRAY DUCT MASTIC	AMIS
25 E10	FLOOR COVERING (TILE)	YES	NO	GOOD	180(NF)	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25 E10	WALL COVERING (DRYWALL)	NO	NO	POOR	800	SF	DRYWALL/WALL BOARD	AMIS
25 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	270	SF	SPACKLE JOINT MATERIAL	AMIS
25 E10	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	NO	GOOD	50	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	NO	GOOD	100	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	110	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
25 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	130	LF	BROWN CAULK	AMIS
25 E11	CEILING MATERIALS (TILE)	NO	YES	POOR	640	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	115	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E11	PIPE INSULATION	NO	YES	GOOD	26	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E11	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E11	PIPE INSULATION	NO	YES	GOOD	4	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	7	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E11	WALL COVERING (DRYWALL)	NO	NO	POOR	800	SF	DRYWALL/WALL BOARD	AMIS
25 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E11	WALL COVERING (DRYWALL)	NO	NO	POOR	800	SF	DRYWALL/WALL BOARD	AMIS
25 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	270	SF	SPACKLE JOINT MATERIAL	AMIS
25 E11	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
25 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	130	LF	BROWN CAULK	AMIS
25 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	15	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
25 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	195	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E12	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E12	PIPE INSULATION	NO	YES	FAIR	60(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E12	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E12	PIPE INSULATION	NO	NO	GOOD	15	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E12	PIPE INSULATION	NO	NO	GOOD	30	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	24(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E12	WALL COVERING (DRYWALL)	NO	NO	POOR	520	SF	DRYWALL/WALL BOARD	AMIS
25 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
25 E12	WALL COVERING (PANELS)	YES	NO	GOOD	160	SF	WALL PANEL, TRANSITE	AMIS
25 E13	WALL COVERING (BASEBOARD)	NO	NO	POOR	60	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	60	LF	BROWN CAULK	AMIS
25 E13	CEILING MATERIALS (TILE)	NO	YES	GOOD	210(NF)	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3(NF)	LF	BLACK EDGE STRIPING	AMIS
25 E13	FLOOR COVERING (TILE)	YES	NO	GOOD	210(NF)	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25 E13	PIPE INSULATION	NO	YES	GOOD	15	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E13	PIPE INSULATION	NO	YES	GOOD	8(NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E13	PIPE INSULATION	NO	NO	GOOD	20	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E13	PIPE INSULATION	NO	NO	GOOD	20	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6(NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	4	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E13	WALL COVERING (BASEBOARD)	NO	NO	POOR	5	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E13	WALL COVERING (DRYWALL)	NO	NO	GOOD	520	SF	DRYWALL/WALL BOARD	AMIS
25 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
25 E13	WALL COVERING (PANELS)	YES	NO	GOOD	160	SF	WALL PANEL, TRANSITE	AMIS
25 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	GRAY DUCT MASTIC	AMIS
25 E14	PIPE INSULATION	NO	YES	GOOD	35	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E14	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E14	PIPE INSULATION	NO	NO	GOOD	40	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E14	PIPE INSULATION	NO	NO	GOOD	80	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	12	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E14	WALL COVERING (BASEBOARD)	NO	NO	POOR	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	720	SF	DRYWALL/WALL BOARD	AMIS
25 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	240	SF	SPACKLE JOINT MATERIAL	AMIS
25 E14	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
25 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	65	SF	GRAY DUCT MASTIC	AMIS
25 E15	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E15	PIPE INSULATION	NO	YES	GOOD	90	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E15	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E15	PIPE INSULATION	NO	NO	GOOD	15(NF)	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E15	PIPE INSULATION	NO	NO	GOOD	35(NF)	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	9	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E15	WALL COVERING (BASEBOARD)	NO	NO	POOR	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	720	SF	DRYWALL/WALL BOARD	AMIS
25 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	240	SF	SPACKLE JOINT MATERIAL	AMIS
25 E15	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
25 E15A	WALL COVERING (DRYWALL)	NO	NO	GOOD	300	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25 E15A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	100	SF	SPACKLE JOINT MATERIAL	AMIS
25 E15A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	GRAY DUCT MASTIC	AMIS
25 E15A	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E15A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	7	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E15A	WALL COVERING (PANELS)	YES	NO	GOOD	1,860	SF	WALL PANEL, TRANSITE	AMIS
25 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	25	SF	GRAY DUCT MASTIC	AMIS
25 E16	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E16	PIPE INSULATION	NO	YES	GOOD	35	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E16	PIPE INSULATION	NO	YES	FAIR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E16	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E16	WALL COVERING (DRYWALL)	NO	NO	FAIR	420	SF	DRYWALL/WALL BOARD	AMIS
25 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
25 E16	WALL COVERING (PANELS)	YES	NO	GOOD	600	SF	WALL PANEL, TRANSITE	AMIS
25 E16A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	235 (NF)	SF	GRAY DUCT MASTIC	AMIS
25 E16A	PIPE INSULATION	NO	YES	GOOD	5 (NF)	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E16A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6 (NF)	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E16A	WALL COVERING (PANELS)	YES	NO	GOOD	218 (NF)	SF	WALL PANEL, TRANSITE	AMIS
25 E17	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	GRAY DUCT MASTIC	AMIS
25 E17	MISCELLANEOUS MATERIAL (GASKETS)	YES	YES	GOOD	8	LF	BRN/WHT FIBROUS 1/2 " DIA ROPE GASKET ON CERAMIC SINK TRAP	AMIS
25 E17	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	1	SF	FLOOR DRAIN SEAL WHITE	AMIS
25 E17	PIPE INSULATION	NO	YES	GOOD	20	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25 E17	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E17	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E17	PIPE INSULATION	NO	NO	GOOD	80	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E17	PIPE INSULATION	NO	NO	GOOD	90	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
25 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	13	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E17	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	8	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E17	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E17	WALL COVERING (DRYWALL)	NO	NO	GOOD	580	SF	DRYWALL/WALL BOARD	AMIS
25 E17	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	195	SF	SPACKLE JOINT MATERIAL	AMIS
25 E17	WALL COVERING (PANELS)	YES	NO	GOOD	420	SF	WALL PANEL, TRANSITE	AMIS
25 E18	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	GRAY DUCT MASTIC	AMIS
25 E18	MISCELLANEOUS MATERIAL (PUTTY)	YES	NO	GOOD	1	SF	FLOOR DRAIN SEAL WHITE	AMIS
25 E18	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E18	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E18	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25 E18	PIPE INSULATION	NO	NO	GOOD	40	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25 E18	PIPE INSULATION	NO	NO	GOOD	40	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25 E18	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	4	SF	BLACK SEALANT/MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	MUDDED ELBOW	AMIS
25 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	11	EA	1-3"0D ELB0W SKIN/MUD/FIBERGLASS CWHZ LINE	AMIS
25 E18	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	1-2"OD ELB0W SKIN/MUD/FIBERGLASS HWHZ LINE	AMIS
25 E18	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25 E18	WALL COVERING (DRYWALL)	NO	NO	GOOD	403	SF	DRYWALL/WALL BOARD	AMIS
25 E18	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	134	SF	SPACKLE JOINT MATERIAL	AMIS
25 E18	WALL COVERING (PANELS)	YES	NO	GOOD	689	SF	WALL PANEL, TRANSITE	AMIS
25 E19S	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	480	SF	GRAY DUCT MASTIC	AMIS
25 E19S	PIPE INSULATION	NO	YES	GOOD	175	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E19S	PIPE INSULATION	NO	YES	GOOD	120	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E19S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	28	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E19S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	26	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25 E20S	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	1,110	SF	GRAY DUCT MASTIC	AMIS
25 E20S	PIPE INSULATION	NO	YES	GOOD	22	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
25 E20S	PIPE INSULATION	NO	YES	GOOD	90	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25 E20S	PIPE INSULATION	NO	YES	GOOD	80	LF	2-4" SH SUPPLY/RETURN	AMIS
25 E20S	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	6	LF	BLACK STICKY PIPE WIPE	AMIS
25 E20S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
25 E20S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E20S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
25 E20S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
25 E20S	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
25EEL01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	GRAY DUCT MASTIC	AMIS
25EEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
25EEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
25EEL01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
25EEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
25EEL02	FLOOR COVERING (OTHER)	NO	NO	GOOD	6	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
25EEL02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
25EEL02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	1	SF	OFF-WHITE CAULK	AMIS
25EEL02	PIPE INSULATION	NO	YES	GOOD	30	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
25EEL02	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
25EEL02	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	4	LF	BLACK STICKY PIPE WIPE	AMIS
25EEL02	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	25	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EEL02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	10	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EEL02	WALL COVERING (DRYWALL)	NO	NO	GOOD	150	SF	DRYWALL/WALL BOARD	AMIS
25EEL02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	50	SF	SPACKLE JOINT MATERIAL	AMIS
25EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	200	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH01	FLOOR COVERING (TILE)	YES	NO	POOR	535	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	345	LF	BROWN CAULK	AMIS
25EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	GOOD	65	SF	BLACK MASTIC UNDER RAISED FLOOR SUPPORTS	AMIS
25EH01	PIPE INSULATION	NO	YES	GOOD	300	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25EH01	PIPE INSULATION	NO	YES	GOOD	250	LF	2-4" SH SUPPLY/RETURN	AMIS
25EH01	PIPE INSULATION	NO	YES	GOOD	25	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25EH01	PIPE INSULATION	NO	NO	GOOD	5	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25EH01	PIPE INSULATION	NO	NO	GOOD	10	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25EH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	100(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	345	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	1,770	SF	DRYWALL/WALL BOARD	AMIS
25EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	590	SF	SPACKLE JOINT MATERIAL	AMIS
25EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	370	SF	2' X 4' CEILING TILE NUMEROUS PINHOLES WITH LIGHT FISSURES	AMIS
25EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH02	FLOOR COVERING (TILE)	YES	NO	POOR	370	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	60	LF	GRAY BUILDING SEAL	AMIS
25EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
25EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	1(NF)	SF	OFF-WHITE CAULK	AMIS
25EH02	WALL COVERING (BASEBOARD)	NO	NO	POOR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	400	SF	DRYWALL/WALL BOARD	AMIS
25EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	135	SF	SPACKLE JOINT MATERIAL	AMIS
25EH03	CEILING MATERIALS (TILE)	NO	YES	POOR	50	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25EH03	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
25EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
25EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15(NF)	SF	GRAY DUCT MASTIC	AMIS
25EH03	FLOOR COVERING (TILE)	YES	NO	POOR	75	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	25	LF	BROWN CAULK	AMIS
25EH03	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
25EH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EH03	WALL COVERING (BASEBOARD)	NO	NO	POOR	25	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH03	WALL COVERING (DRYWALL)	NO	NO	POOR	220	SF	DRYWALL/WALL BOARD	AMIS
25EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	75	SF	SPACKLE JOINT MATERIAL	AMIS
25EH04	CEILING MATERIALS (TILE)	NO	YES	POOR	50	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25EH04	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
25EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	WHITE AC DUCT MASTIC	AMIS
25EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15(NF)	SF	GRAY DUCT MASTIC	AMIS
25EH04	FLOOR COVERING (TILE)	YES	NO	POOR	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	25	LF	BROWN CAULK	AMIS
25EH04	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
25EH04	PIPE INSULATION	NO	NO	GOOD	5	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25EH04	PIPE INSULATION	NO	NO	GOOD	10	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25EH04	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EH04	WALL COVERING (BASEBOARD)	NO	NO	POOR	25	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH04	WALL COVERING (DRYWALL)	NO	NO	POOR	220	SF	DRYWALL/WALL BOARD	AMIS
25EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	35	SF	SPACKLE JOINT MATERIAL	AMIS
25EH05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
25EH05	FLOOR COVERING (TILE)	YES	NO	POOR	65	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25EH05	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	34	LF	BROWN CAULK	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25EH05	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
25EH05	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
25EH05	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25EH05	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	5	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EH05	WALL COVERING (BASEBOARD)	NO	NO	FAIR	35	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH05	WALL COVERING (DRYWALL)	NO	NO	GOOD	360	SF	DRYWALL/WALL BOARD	AMIS
25EH05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	120	SF	SPACKLE JOINT MATERIAL	AMIS
25EH05	WALL COVERING (PANELS)	YES	NO	GOOD	50	LF	WALL PANEL, TRANSITE	AMIS
25EH06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25EH06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
25EH06	FLOOR COVERING (TILE)	YES	NO	POOR	105	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25EH06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	30	LF	BROWN CAULK	AMIS
25EH06	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
25EH06	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25EH06	PIPE INSULATION	NO	NO	GOOD	10	LF	1-2"OD PAPER 0/ FIBGLAS CWHZ SUPPLY/RETURN LINE	AMIS
25EH06	PIPE INSULATION	NO	NO	GOOD	20	LF	1-2"OD PAPER OVER FIBGLAS HWHZ SUPPLY/RETURN LINE	AMIS
25EH06	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	20(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
25EH06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25EH06	WALL COVERING (DRYWALL)	NO	NO	POOR	300	SF	DRYWALL/WALL BOARD	AMIS
25EH06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	100	SF	SPACKLE JOINT MATERIAL	AMIS
25EH06	WALL COVERING (PANELS)	YES	NO	GOOD	90	SF	WALL PANEL, TRANSITE	AMIS
26 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	GRAY DUCT MASTIC	AMIS
26 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	1,080	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	150	SF	GRAY DUCT MASTIC	AMIS
26 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	1,080	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E07	PIPE INSULATION	NO	YES	GOOD	52	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
26 E07	PIPE INSULATION	NO	YES	GOOD	75	LF	2-4" SH SUPPLY/RETURN	AMIS
26 E07	PIPE INSULATION	NO	YES	GOOD	5(NF)	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
26 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
26 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2(NF)	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
26 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
26 E07	WALL COVERING (BASEBOARD)	NO	NO	FAIR	135	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	1,155	SF	DRYWALL/WALL BOARD	AMIS
26 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	385	SF	SPACKLE JOINT MATERIAL	AMIS
26 E07	WALL COVERING (PANELS)	YES	NO	GOOD	435	SF	WALL PANEL, TRANSITE	AMIS
26 E09	CEILING MATERIALS (TILE)	NO	YES	FAIR	205	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	9	LF	BLACK EDGE STRIPING	AMIS
26 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	205	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E09	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	55	LF	BROWN CAULK	AMIS
26 E09	WALL COVERING (BASEBOARD)	NO	NO	FAIR	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	805	SF	DRYWALL/WALL BOARD	AMIS
26 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	270	SF	SPACKLE JOINT MATERIAL	AMIS
26 E10	CEILING MATERIALS (TILE)	NO	YES	FAIR	265	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	85	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
26 E10	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
26 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	435	SF	DRYWALL/WALL BOARD	AMIS
26 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	145	SF	SPACKLE JOINT MATERIAL	AMIS
26 E10	WALL COVERING (PANELS)	YES	NO	GOOD	265	SF	WALL PANEL, TRANSITE	AMIS
26 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	85	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	35	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E11	FLOOR COVERING (OTHER)	YES	NO	FAIR	180	LF	BLACK EDGE STRIPING	AMIS
26 E11	FLOOR COVERING (TILE)	YES	NO	GOOD	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E11	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	FAIR	55	LF	BROWN CAULK	AMIS
26 E11	WALL COVERING (BASEBOARD)	NO	NO	FAIR	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	415	SF	DRYWALL/WALL BOARD	AMIS
26 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	140	SF	SPACKLE JOINT MATERIAL	AMIS
26 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80(NF)	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	45	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E12	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	30	LF	BROWN CAULK	AMIS
26 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	310	SF	DRYWALL/WALL BOARD	AMIS
26 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	105	SF	SPACKLE JOINT MATERIAL	AMIS
26 E12	WALL COVERING (PANELS)	YES	NO	GOOD	195	SF	WALL PANEL, TRANSITE	AMIS
26 E13	CEILING MATERIALS (TILE)	NO	YES	POOR	30	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26 E13	PIPE INSULATION	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
26 E13	CEILING MATERIALS (TILE)	NO	NO	GOOD	15	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
26 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	110	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E13	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	45	LF	BROWN CAULK	AMIS
26 E13	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
26 E13	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	10(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
26 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	45	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	505	SF	DRYWALL/WALL BOARD	AMIS
26 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	170	SF	SPACKLE JOINT MATERIAL	AMIS
26 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	95	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26 E14	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
26 E14	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	480	SF	DRYWALL/WALL BOARD	AMIS
26 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
26 E15	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
26 E15	PIPE INSULATION	YES	YES	POOR	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
26 E15	CEILING MATERIALS (TILE)	NO	YES	FAIR	95	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26 E16'	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	10	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26 E16	FLOOR COVERING (TILE)	YES	NO	FAIR	100	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
26 E16	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
26 E16	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
26 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26 E16	WALL COVERING (DRYWALL)	NO	NO	FAIR	440	SF	DRYWALL/WALL BOARD	AMIS
26 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	150	SF	SPACKLE JOINT MATERIAL	AMIS
26EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
26EH01	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	150	LF	BROWN CAULK	AMIS
26EH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	375	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	75	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	375	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
26EH01	PIPE INSULATION	NO	YES	GOOD	50	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
26EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
26EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	150	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	800	SF	DRYWALL/WALL BOARD	AMIS
26EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	197	SF	SPACKLE JOINT MATERIAL	AMIS
26EH01	WALL COVERING (PANELS)	YES	NO	GOOD	592	SF	WALL PANEL, TRANSITE	AMIS
26EH02	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	100	LF	BROWN CAULK	AMIS
26EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	380	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	380	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
26EH02	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
26EH02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
26EH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	400	SF	DRYWALL/WALL BOARD	AMIS
26EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	135	SF	SPACKLE JOINT MATERIAL	AMIS
26EH03	CEILING MATERIALS (TILE)	NO	NO	GOOD	95	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
26EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	4	SF	WHITE AC DUCT MASTIC	AMIS
26EH03	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
26EH03	FLOOR COVERING (TILE)	YES	NO	GOOD	95	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26EH03	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	50	LF	BROWN CAULK	AMIS
26EH03	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
26EH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	8(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
26EH03	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26EH03	WALL COVERING (DRYWALL)	NO	NO	GOOD	480	SF	DRYWALL/WALL BOARD	AMIS
26EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	160	SF	SPACKLE JOINT MATERIAL	AMIS
26EH04	CEILING MATERIALS (TILE)	NO	YES	FAIR	60	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
26EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26EH04	FLOOR COVERING (TILE)	YES	NO	FAIR	60	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
26EH04	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	40	LF	BROWN CAULK	AMIS
26EH04	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
26EH04	WALL COVERING (DRYWALL)	NO	NO	FAIR	360	SF	DRYWALL/WALL BOARD	AMIS
26EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
26EH08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
26EH08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	185	LF	BROWN CAULK	AMIS
27 E06	CEILING MATERIALS (TILE)	NO	NO	FAIR	30	SF	2'X4' Natural Fissure With Pin Holes	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
27 E06	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E06	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	45	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
27 E06	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E06	PIPE INSULATION	NO	YES	GOOD	35	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E06	PIPE INSULATION	NO	YES	POOR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E06	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
27 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E06	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	55	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E07	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E07	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	FAIR	24	SF	WHITE SINK UNDERCOAT	ATLAS
27 E07	CEILING MATERIALS (TILE)	NO	YES	FAIR	510	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
27 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	510	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E07	PIPE INSULATION	NO	YES	POOR	15	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E07	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	85	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E08	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	95	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
27 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E08	PIPE INSULATION	NO	YES	GOOD	5(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E08	PIPE INSULATION	NO	YES	POOR	20	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E08	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
27 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E08	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E09	CEILING MATERIALS (TILE)	NO	NO	FAIR	30	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E09	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E09	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
27 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	300	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
27 E09	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	350	SF	DRYWALL/WALL BOARD	AMIS
27 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
27 E09	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
27 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E10	CEILING MATERIALS (TILE)	NO	NO	FAIR	30	SF	2' X 4' WHITE BOTTOM, YELLOW CORE, RAND PNHOLE WITH NAT FISSURE	ATLAS
27 E10	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	55	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E10	WALL COVERING (DRYWALL)	NO	YES	GOOD	120		GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
27 E10	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	55	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	12	LF	BLACK EDGE STRIPING	AMIS
27 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	570	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E10	PIPE INSULATION	NO	YES	POOR	80	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E10	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	4(NF)	LF	WHITE STICKY PIPE WRAP	AMIS
27 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
27 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E10	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E10A	WALL COVERING (DRYWALL)	NO	YES	GOOD	120		GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
27 E10A	CEILING MATERIALS (TILE)	NO	NO	FAIR	12	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E10A	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	55	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E10A	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E10A	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	55	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E10A	CEILING MATERIALS (TILE)	NO	YES	FAIR	300	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E10A	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
27 E10A	FLOOR COVERING (TILE)	YES	NO	FAIR	300	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E10A	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E10A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E10A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E10A	WALL COVERING (DRYWALL)	NO	NO	FAIR	350	SF	DRYWALL/WALL BOARD	AMIS
27 E10A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
27 E10A	WALL COVERING (PANELS)	YES	NO	GOOD	240	SF	WALL PANEL, TRANSITE	AMIS
27 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	15	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E11	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	510	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	12(NF)	LF	BLACK EDGE STRIPING	AMIS
27 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	35	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E11	PIPE INSULATION	NO	YES	GOOD	80(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E11	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	18(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E11	WALL COVERING (BASEBOARD)	NO	NO	POOR	7	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
27 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
27 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E11	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E12	CEILING MATERIALS (TILE)	NO	NO	FAIR	30	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK FLOOR MASTIC SPOTS	ATLAS
27 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	35	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E12	PIPE INSULATION	NO	YES	GOOD	120	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E12	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	9	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E12	WALL COVERING (BASEBOARD)	NO	NO	FAIR	7	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	680	SF	DRYWALL/WALL BOARD	AMIS
27 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
27 E12	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
27 E13	CEILING MATERIALS (TILE)	NO	NO	FAIR	65	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK FLOOR MASTIC SPOTS	ATLAS
27 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK FLOOR MASTIC SPOTS	ATLAS
27 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	40	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E13	PIPE INSULATION	NO	YES	GOOD	90	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E13	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
27 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E13	WALL COVERING (BASEBOARD)	NO	NO	FAIR	8	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	310	SF	DRYWALL/WALL BOARD	AMIS
27 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	105	SF	SPACKLE JOINT MATERIAL	AMIS
27 E13	WALL COVERING (PANELS)	YES	NO	GOOD	530	SF	WALL PANEL, TRANSITE	AMIS
27 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	12	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E14	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E14	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK FLOOR MASTIC SPOTS	ATLAS
27 E14	CEILING MATERIALS (TILE)	NO	NO	FAIR	16		2'X4' Random Pin Hole	ATLAS
27 E15	MISCELLANEOUS MATERIAL (MASTIC)	NO	YES	FAIR	50	SF	BLACK FLOOR MASTIC SPOTS	ATLAS
27 E15	WALL COVERING (PANELS)	YES	NO	GOOD	550	SF	WALL PANEL, TRANSITE	AMIS
27 E15	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27 E15	CEILING MATERIALS (TILE)	NO	NO	POOR	30	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27 E15	CEILING MATERIALS (TILE)	NO	NO	POOR	15		2'X4' Random Pin Hole	ATLAS
27 E15	CEILING MATERIALS (TILE)	NO	YES	POOR	570	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	55	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27 E15	FLOOR COVERING (TILE)	YES	NO	FAIR	40	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27 E15	PIPE INSULATION	NO	YES	GOOD	130	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27 E15	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
27 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	5	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27 E15	WALL COVERING (BASEBOARD)	NO	NO	POOR	6	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27 E15	WALL COVERING (DRYWALL)	NO	NO	FAIR	310	SF	DRYWALL/WALL BOARD	AMIS
27 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	105	SF	SPACKLE JOINT MATERIAL	AMIS
27EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	350	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
27EH01	CEILING MATERIALS (TILE)	NO	NO	POOR	25	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
27EH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	860	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
27EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	250	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
27EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	860	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27EH01	PIPE INSULATION	NO	YES	GOOD	350	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
27EH01	PIPE INSULATION	NO	YES	GOOD	85	LF	2-4" SH SUPPLY/RETURN	AMIS
27EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	40	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
27EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
27EH01	WALL COVERING (BASEBOARD)	NO	NO	POOR	350	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	3,440	SF	DRYWALL/WALL BOARD	AMIS
27EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	1,145	SF	SPACKLE JOINT MATERIAL	AMIS
27EH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20	SF	GRAY DUCT MASTIC	ATLAS
27EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	340	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
27EH02	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
27EH02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2" OUTER DIAMETER MUDD ELBOW DRAIN LN	AMIS
27EH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
27EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	400	SF	DRYWALL/WALL BOARD	AMIS
27EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	135	SF	SPACKLE JOINT MATERIAL	AMIS
28 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
28 E07	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	90	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E07	CEILING MATERIALS (TILE)	NO	YES	FAIR	450	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	35	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	450	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E07	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E07	WALL COVERING (DRYWALL)	NO	NO	POOR	600	SF	DRYWALL/WALL BOARD	AMIS
28 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	200	SF	SPACKLE JOINT MATERIAL	AMIS
28 E07	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
28 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	90	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E08	PIPE INSULATION	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E08	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
28 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	45	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	12(NF)	LF	BEIGE/OFF-WHITE METAL DUCT CAULK	AMIS
28 E08	FLOOR COVERING (TILE)	NO	NO	GOOD	734(NF)	SF	2' X 2' RAISED FLOOR TILE	AMIS
28 E08	FLOOR COVERING (TILE)	YES	NO	GOOD	66(NF)	SF	12" CREAM AND TAN MARBELIZED	AMIS
28 E08	PIPE INSULATION	NO	YES	GOOD	80(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
28 E08	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
28 E08	PIPE INSULATION	NO	YES	FAIR	2(NF)	LF	11/2" TO 2" OUTER DIAMETER HOT H20 S&R	AMIS
28 E08	PIPE INSULATION	NO	YES	FAIR	2(NF)	LF	2" OUTER DIAMETER PAP. OVER FGLS COLD H20, POTABLE	AMIS
28 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	18(NF)	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
28 E08	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E08	WALL COVERING (DRYWALL)	NO	NO	POOR	680	SF	DRYWALL/WALL BOARD	AMIS
28 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
28 E08	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
28 E09	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	100	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E09	CEILING MATERIALS (TILE)	NO	YES	GOOD	550	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	85	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	550	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E09	PIPE INSULATION	NO	YES	GOOD	6(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
28 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
28 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E09	WALL COVERING (DRYWALL)	NO	NO	POOR	680	SF	DRYWALL/WALL BOARD	AMIS
28 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
28 E09	WALL COVERING (PANELS)	YES	NO	GOOD	460	SF	WALL PANEL, TRANSITE	AMIS
28 E10	CEILING MATERIALS (TILE)	NO	NO	POOR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
28 E10	PIPE INSULATION	NO	YES	POOR	15	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E10	PIPE INSULATION	YES	YES	GOOD	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E10	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E10	CEILING MATERIALS (TILE)	NO	YES	FAIR	600	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	95	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	2	SF	SILVER DUCT MASTIC ON AC	AMIS
28 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	95	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	2	SF	SILVER DUCT MASTIC ON AC	AMIS
28 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	600	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E10	PIPE INSULATION	NO	YES	GOOD	20(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
28 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
28 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E10	WALL COVERING (DRYWALL)	NO	NO	POOR	700	SF	DRYWALL/WALL BOARD	AMIS
28 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
28 E10	WALL COVERING (PANELS)	YES	NO	GOOD	480	SF	WALL PANEL, TRANSITE	AMIS
28 E11	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	550	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	90	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	550	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E11	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E11	WALL COVERING (DRYWALL)	NO	NO	POOR	680	SF	DRYWALL/WALL BOARD	AMIS
28 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	230	SF	SPACKLE JOINT MATERIAL	AMIS
28 E11	WALL COVERING (PANELS)	YES	NO	GOOD	560	SF	WALL PANEL, TRANSITE	AMIS
28 E11A	WALL COVERING (DRYWALL)	NO	YES	GOOD	290	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
28 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	600	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	105	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2(NF)	SF	SILVER DUCT MASTIC ON AC	AMIS
28 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	600	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E12	PIPE INSULATION	NO	YES	GOOD	20(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
28 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
28 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E12	WALL COVERING (DRYWALL)	NO	NO	POOR	700	SF	DRYWALL/WALL BOARD	AMIS
28 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
28 E12	WALL COVERING (PANELS)	YES	NO	GOOD	480	SF	WALL PANEL, TRANSITE	AMIS
28 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	600	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
28 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	600	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E13	PIPE INSULATION	NO	YES	FAIR	14	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	110	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E13	WALL COVERING (DRYWALL)	NO	NO	POOR	700	SF	DRYWALL/WALL BOARD	AMIS
28 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	235	SF	SPACKLE JOINT MATERIAL	AMIS
28 E13	WALL COVERING (PANELS)	YES	NO	GOOD	480	SF	WALL PANEL, TRANSITE	AMIS
28 E14	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E14	CEILING MATERIALS (TILE)	NO	YES	POOR	450	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	65	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	SILVER DUCT MASTIC ON AC	AMIS
28 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
28 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	450	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E14	PIPE INSULATION	NO	YES	POOR	16	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E14	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	1(NF)	LF	WHITE STICKY PIPE WRAP	AMIS
28 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	400	SF	DRYWALL/WALL BOARD	AMIS
28 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	135	SF	SPACKLE JOINT MATERIAL	AMIS
28 E14	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
28 E15	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	110	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E15	CEILING MATERIALS (TILE)	NO	YES	POOR	450	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
28 E15	FLOOR COVERING (TILE)	YES	NO	FAIR	450	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E15	PIPE INSULATION	NO	YES	POOR	104	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E15	WALL COVERING (DRYWALL)	NO	NO	GOOD	400	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
28 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	135	SF	SPACKLE JOINT MATERIAL	AMIS
28 E15	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
28 E16	CEILING MATERIALS (TILE)	NO	YES	GOOD	450	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28 E16	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	SILVER DUCT MASTIC ON AC	AMIS
28 E16	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
28 E16	FLOOR COVERING (TILE)	YES	NO	GOOD	450	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28 E16	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E16	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	GOOD	2	LF	BLACK STICKY PIPE WIPE	AMIS
28 E16	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	6	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E16	WALL COVERING (BASEBOARD)	NO	NO	GOOD	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E16	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
28 E16	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
28 E16	WALL COVERING (PANELS)	YES	NO	GOOD	405	SF	WALL PANEL, TRANSITE	AMIS
28 E16	CEILING MATERIALS (TILE)	NO	NO	POOR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
28 E16	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	90	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28 E17A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	85	SF	SPACKLE JOINT MATERIAL	AMIS
28 E17A	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	250	SF	WHITE MASTIC ON AC DUCT	AMIS
28 E17A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	190	SF	GRAY DUCT MASTIC	AMIS
28 E17A	FLOOR COVERING (TILE)	YES	NO	POOR	950	SF	9" X 9" BGE WITH BLUE SPECK FLOOR TILE	AMIS
28 E17A	PIPE INSULATION	NO	YES	POOR	12	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E17A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E17A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	29(NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E17A	WALL COVERING (DRYWALL)	NO	NO	POOR	250	SF	DRYWALL/WALL BOARD	AMIS
28 E17A	WALL COVERING (PANELS)	YES	NO	GOOD	1,020	SF	WALL PANEL, TRANSITE	AMIS
28 E17B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	160	SF	SPACKLE JOINT MATERIAL	AMIS
28 E17B	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	320	SF	WHITE MASTIC ON AC DUCT	AMIS
28 E17B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	120	SF	GRAY DUCT MASTIC	AMIS
28 E17B	FLOOR COVERING (TILE)	YES	NO	GOOD	425(NF)	SF	9" X 9" BGE WITH BLUE SPECK FLOOR TILE	AMIS
28 E17B	PIPE INSULATION	NO	YES	POOR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E17B	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E17B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	49(NF)	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E17B	WALL COVERING (DRYWALL)	NO	NO	POOR	470	SF	DRYWALL/WALL BOARD	AMIS
28 E17B	WALL COVERING (PANELS)	YES	NO	GOOD	360	SF	WALL PANEL, TRANSITE	AMIS
28 E17C	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	260	SF	SPACKLE JOINT MATERIAL	AMIS
28 E17C	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	300	SF	WHITE MASTIC ON AC DUCT	AMIS
28 E17C	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	300	SF	GRAY DUCT MASTIC	AMIS
28 E17C	FLOOR COVERING (TILE)	YES	NO	POOR	510	SF	9" X 9" BGE WITH BLUE SPECK FLOOR TILE	AMIS
28 E17C	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E17C	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E17C	WALL COVERING (BASEBOARD)	NO	NO	GOOD	225(NF)	SF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E17C	WALL COVERING (DRYWALL)	NO	NO	POOR	770	SF	DRYWALL/WALL BOARD	AMIS
28 E17C	WALL COVERING (PANELS)	YES	NO	GOOD	205	SF	WALL PANEL, TRANSITE	AMIS
28 E17D	WALL COVERING (DRYWALL)	NO	NO	GOOD	40(NF)	SF	DRYWALL/WALL BOARD	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
28 E17D	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	80	SF	SPACKLE JOINT MATERIAL	AMIS
28 E17D	WALL COVERING (PANELS)	YES	NO	GOOD	460(NF)	SF	WALL PANEL, TRANSITE	AMIS
28 E17H	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	WHITE AC DUCT MASTIC	AMIS
28 E17H	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	GRAY DUCT MASTIC	AMIS
28 E17H	FLOOR COVERING (TILE)	YES	NO	POOR	160	SF	9" X 9" BGE WITH BLUE SPECK FLOOR TILE	AMIS
28 E17H	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" SH SUPPLY/RETURN	AMIS
28 E17H	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28 E17H	WALL COVERING (BASEBOARD)	NO	NO	POOR	55	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28 E17H	WALL COVERING (DRYWALL)	NO	NO	POOR	650	SF	DRYWALL/WALL BOARD	AMIS
28EH01	CEILING MATERIALS (TILE)	NO	NO	POOR	4	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
28EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	340	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28EH01	CEILING MATERIALS (TILE)	NO	YES	POOR	850	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	850	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
28EH01	FLOOR COVERING (TILE)	YES	NO	POOR	850	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28EH01	PIPE INSULATION	NO	YES	GOOD	400	LF	2-4" SH SUPPLY/RETURN	AMIS
28EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	26	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
28EH01	WALL COVERING (BASEBOARD)	NO	NO	POOR	340	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	3,400	SF	DRYWALL/WALL BOARD	AMIS
28EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	1,135	SF	SPACKLE JOINT MATERIAL	AMIS
28EH02	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28EH02	CEILING MATERIALS (TILE)	NO	YES	POOR	385	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	385	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28EH02	WALL COVERING (BASEBOARD)	NO	NO	POOR	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	420	SF	DRYWALL/WALL BOARD	AMIS
28EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	426	SF	SPACKLE JOINT MATERIAL	AMIS
28EH03	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	20	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28EH03	CEILING MATERIALS (TILE)	NO	YES	POOR	45	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28EH03	FLOOR COVERING (TILE)	YES	NO	POOR	45	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28EH03	WALL COVERING (BASEBOARD)	NO	NO	POOR	20	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28EH03	WALL COVERING (DRYWALL)	NO	NO	POOR	240	SF	DRYWALL/WALL BOARD	AMIS
28EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	80	SF	SPACKLE JOINT MATERIAL	AMIS
28EH04	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	65	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
28EH04	CEILING MATERIALS (TILE)	NO	YES	POOR	150	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
28EH04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	36	SF	WHITE AC DUCT MASTIC	AMIS
28EH04	FLOOR COVERING (TILE)	YES	NO	FAIR	150	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
28EH04	WALL COVERING (BASEBOARD)	NO	NO	POOR	65	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
28EH04	WALL COVERING (DRYWALL)	NO	NO	POOR	700	SF	DRYWALL/WALL BOARD	AMIS
28EH04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	106	SF	SPACKLE JOINT MATERIAL	AMIS
29 E01	CEILING MATERIALS (TILE)	NO	YES	FAIR	560	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
29 E01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	90	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
29 E01	WALL COVERING (DRYWALL)	NO	NO	GOOD	1,320	SF	DRYWALL/WALL BOARD	AMIS
29 E01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	440	SF	SPACKLE JOINT MATERIAL	AMIS
29 E01	WALL COVERING (PANELS)	YES	NO	GOOD	200	SF	WALL PANEL, TRANSITE	AMIS
29 E02	CEILING MATERIALS (TILE)	NO	YES	FAIR	505	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
29 E02	FLOOR COVERING (TILE)	NO	NO	FAIR	505	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
29 E02	MISCELLANEOUS MATERIAL (DEBRIS)	NO	YES	GOOD	0	NULL	DEBRIS ON FLOOR	AMIS
29 E02	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
29 E02	PIPE INSULATION	NO	YES	GOOD	40	LF	2-4" SH SUPPLY/RETURN	AMIS
29 E02	WALL COVERING (DRYWALL)	NO	NO	FAIR	660	SF	DRYWALL/WALL BOARD	AMIS
29 E02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	220	SF	SPACKLE JOINT MATERIAL	AMIS
29 E02	WALL COVERING (PANELS)	YES	NO	GOOD	180	SF	WALL PANEL, TRANSITE	AMIS
29 E03	PIPE INSULATION	NO	YES	GOOD	44	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
29 E03	PIPE INSULATION	YES	YES	GOOD	6	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
29 E03	PIPE INSULATION	NO	YES	GOOD	55	LF	2-4" SH SUPPLY/RETURN	AMIS
29 E03	PIPE INSULATION	YES	YES	GOOD	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
29 E03	FLOOR COVERING (TILE)	NO	NO	FAIR	55	SF	2' X 2' RAISED FLOOR TILE	ATLAS
29 E03	CEILING MATERIALS (TILE)	NO	YES	FAIR	720	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
29 E03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	8	EA	BROWN MASTIC OVER AC DUCT & PIPE FITTINGS	AMIS
29 E03	FLOOR COVERING (TILE)	NO	NO	FAIR	720	SF	12" X 12" WHITE WITH GREY FLOOR TILE	AMIS
29 E03	MISCELLANEOUS MATERIAL (DEBRIS)	NO	YES	POOR	1	SF	WHITE ELBOW DEBRIS ABOVE CEILING	AMIS
29 E03	PIPE INSULATION	NO	YES	GOOD	20	LF	4" OUTER DIAMETER CHILL H20 CANVAS/PAPER/FBGLASS	AMIS
29 E03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	115	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
29 E03	WALL COVERING (DRYWALL)	NO	NO	GOOD	720	SF	DRYWALL/WALL BOARD	AMIS
29 E03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	240	SF	SPACKLE JOINT MATERIAL	AMIS
29 E03	WALL COVERING (PANELS)	YES	NO	GOOD	400	SF	WALL PANEL, TRANSITE	AMIS
29EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	50	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
29EH01	WALL COVERING (DRYWALL)	NO	NO	FAIR	545	SF	DRYWALL/WALL BOARD	AMIS
29EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	180	SF	SPACKLE JOINT MATERIAL	AMIS
29EH02	PIPE INSULATION	NO	YES	GOOD	30(NF)	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
29EH02	PIPE INSULATION	NO	YES	GOOD	45(NF)	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
29EH02	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2(NF)	EA	2-4" CHILL H20 SUPPLY/RETURN ELBOW	AMIS
29EH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	30	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
29EH02	WALL COVERING (DRYWALL)	NO	NO	GOOD	360	SF	DRYWALL/WALL BOARD	AMIS
29EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	120	SF	SPACKLE JOINT MATERIAL	AMIS
29EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	20(NF)	LF	WHITE AC DUCT MASTIC	AMIS
29EH03	PIPE INSULATION	NO	YES	GOOD	55	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
29EH03	PIPE INSULATION	NO	YES	GOOD	60	LF	2-4" SH SUPPLY/RETURN	AMIS
29EH03	ELBOWS, VALVES, TEE'S (OTHER)	YES	YES	FAIR	38	EA	6" WHITE MASTIC OVER YELLOW FIBERGLASS	AMIS
29EH03	WALL COVERING (BASEBOARD)	NO	NO	FAIR	68	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
29EH03	WALL COVERING (DRYWALL)	NO	NO	FAIR	720	SF	DRYWALL/WALL BOARD	AMIS
29EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	240	SF	SPACKLE JOINT MATERIAL	AMIS
29EH03	WALL COVERING (PANELS)	YES	NO	GOOD	80	LF	WALL PANEL, TRANSITE	AMIS
30 E06	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	56(NF)	LF	GRAY BUILDING SEAL	AMIS
30 E07	CEILING MATERIALS (TILE)	NO	NO	FAIR	155	SF	2'X4' Natural Fissure With Pin Holes	ATLAS
30 E07	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	104	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
30 E07	CEILING MATERIALS (TILE)	NO	YES	FAIR	515	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	100	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E07	FLOOR COVERING (TILE)	YES	NO	FAIR	515	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
30 E07	PIPE INSULATION	NO	YES	FAIR	4	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	1	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E07	WALL COVERING (DRYWALL)	NO	NO	FAIR	650	SF	DRYWALL/WALL BOARD	AMIS
30 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	220	SF	SPACKLE JOINT MATERIAL	AMIS
30 E07	WALL COVERING (PANELS)	YES	NO	GOOD	425	SF	WALL PANEL, TRANSITE	AMIS
30 E08	CEILING MATERIALS (TILE)	NO	NO	FAIR	152	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
30 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	104	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
30 E08	CEILING MATERIALS (TILE)	NO	YES	POOR	546	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	56	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E08	FLOOR COVERING (TILE)	YES	NO	FAIR	546	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E08	PIPE INSULATION	NO	YES	GOOD	8	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E08	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	7	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	104	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E08	WALL COVERING (DRYWALL)	NO	NO	POOR	669	SF	DRYWALL/WALL BOARD	AMIS
30 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	225	SF	SPACKLE JOINT MATERIAL	AMIS
30 E08	WALL COVERING (PANELS)	YES	NO	GOOD	455	SF	WALL PANEL, TRANSITE	AMIS
30 E09	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E09	CEILING MATERIALS (TILE)	NO	YES	FAIR	80	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E09	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	35	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E09	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
30 E09	FLOOR COVERING (TILE)	YES	NO	FAIR	175	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E09	PIPE INSULATION	NO	YES	FAIR	4	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E09	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E09	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E09	WALL COVERING (DRYWALL)	NO	NO	FAIR	269	SF	DRYWALL/WALL BOARD	AMIS
30 E09	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
30 E09	WALL COVERING (PANELS)	YES	NO	GOOD	145	SF	WALL PANEL, TRANSITE	AMIS
30 E10	CEILING MATERIALS (TILE)	NO	YES	FAIR	540	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	540	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E10	WALL COVERING (DRYWALL)	NO	NO	FAIR	665	SF	DRYWALL/WALL BOARD	AMIS
30 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	66	SF	SPACKLE JOINT MATERIAL	AMIS
30 E10	WALL COVERING (PANELS)	YES	NO	GOOD	445	SF	WALL PANEL, TRANSITE	AMIS
30 E10A	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	70	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E10A	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
30 E10A	WALL COVERING (DRYWALL)	NO	YES	GOOD	148	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
30 E10A	CEILING MATERIALS (TILE)	NO	YES	FAIR	390	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E10A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E10A	FLOOR COVERING (TILE)	YES	NO	FAIR	320	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E10A	PIPE INSULATION	NO	YES	GOOD	0	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E10A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	0	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E10A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	70	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
30 E10A	WALL COVERING (DRYWALL)	NO	NO	FAIR	405	SF	DRYWALL/WALL BOARD	AMIS
30 E10A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	135	SF	SPACKLE JOINT MATERIAL	AMIS
30 E10A	WALL COVERING (PANELS)	YES	NO	GOOD	310	SF	WALL PANEL, TRANSITE	AMIS
30 E10B	CEILING MATERIALS (TILE)	NO	NO	FAIR	48	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
30 E10B	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	39	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E10B	WALL COVERING (DRYWALL)	NO	YES	GOOD	148	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
30 E11	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E11	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
30 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	535	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
30 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	535	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E11	MISCELLANEOUS MATERIAL (DEBRIS)	NO	YES	GOOD	1	SF	DEBRIS	AMIS
30 E11	PIPE INSULATION	NO	YES	POOR	6	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	2	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E11	WALL COVERING (DRYWALL)	NO	NO	FAIR	660	SF	DRYWALL/WALL BOARD	AMIS
30 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	220	SF	SPACKLE JOINT MATERIAL	AMIS
30 E11	WALL COVERING (PANELS)	YES	NO	GOOD	440	SF	WALL PANEL, TRANSITE	AMIS
30 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	345	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	3	SF	SILVER DUCT MASTIC ON AC	AMIS
30 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	345	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E12	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	345	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E12	PIPE INSULATION	NO	YES	FAIR	10	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	10	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	65	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E12	WALL COVERING (DRYWALL)	NO	NO	FAIR	385	SF	DRYWALL/WALL BOARD	AMIS
30 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	204	SF	SPACKLE JOINT MATERIAL	AMIS
30 E12	WALL COVERING (PANELS)	YES	NO	GOOD	285	SF	WALL PANEL, TRANSITE	AMIS
30 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	545	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	6	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
30 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	545	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E13	PIPE INSULATION	NO	YES	GOOD	6	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	400	SF	DRYWALL/WALL BOARD	AMIS
30 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	133	SF	SPACKLE JOINT MATERIAL	AMIS
30 E13	WALL COVERING (PANELS)	YES	NO	GOOD	445	SF	WALL PANEL, TRANSITE	AMIS
30 E13B	WALL COVERING (DRYWALL)	NO	YES	GOOD	150	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
30 E13B	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	65	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E13B	CEILING MATERIALS (TILE)	NO	NO	FAIR	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
30 E13B	CEILING MATERIALS (TILE)	NO	YES	FAIR	168	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E13B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
30 E13B	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
30 E13B	FLOOR COVERING (TILE)	YES	NO	FAIR	155	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E13B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E13B	WALL COVERING (DRYWALL)	NO	NO	FAIR	260	SF	DRYWALL/WALL BOARD	AMIS
30 E13B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	86	SF	SPACKLE JOINT MATERIAL	AMIS
30 E13B	WALL COVERING (PANELS)	YES	NO	GOOD	135	SF	WALL PANEL, TRANSITE	AMIS
30 E13B	WALL COVERING (BASEBOARD)	NO	YES	GOOD	180	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
30 E13B	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	40	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E14	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30 E14	CEILING MATERIALS (TILE)	NO	YES	FAIR	530	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	3	SF	SILVER DUCT MASTIC ON AC	AMIS
30 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
30 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	530	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30 E14	PIPE INSULATION	NO	YES	GOOD	50	LF	2-4" SH SUPPLY/RETURN	AMIS
30 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	102	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30 E14	WALL COVERING (DRYWALL)	NO	NO	FAIR	490	SF	DRYWALL/WALL BOARD	AMIS
30 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	165	SF	SPACKLE JOINT MATERIAL	AMIS
30 E14	WALL COVERING (PANELS)	YES	NO	GOOD	432	SF	WALL PANEL, TRANSITE	AMIS
30EH01	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	16	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30EH01	CEILING MATERIALS (TILE)	NO	NO	FAIR	340	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
30EH01	CEILING MATERIALS (TILE)	NO	YES	FAIR	850	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	340	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
30EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	850	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30EH01	PIPE INSULATION	NO	YES	GOOD	230	LF	2-4" SH SUPPLY/RETURN	AMIS
30EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	42	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
30EH01	WALL COVERING (BASEBOARD)	NO	NO	GOOD	340	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	3,400	SF	DRYWALL/WALL BOARD	AMIS
30EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	873	SF	SPACKLE JOINT MATERIAL	AMIS
30EH02	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	100	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
30EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	15	SF	GRAY BUILDING SEAL	ATLAS
30EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	320	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
30EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	320	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
30EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	320	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
30EH02	WALL COVERING (DRYWALL)	NO	NO	FAIR	100	SF	DRYWALL/WALL BOARD	AMIS
30EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	101	SF	SPACKLE JOINT MATERIAL	AMIS
31 E06	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31 E06	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E06	CEILING MATERIALS (TILE)	NO	YES	POOR	555	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E06	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E06	FLOOR COVERING (TILE)	YES	NO	POOR	555	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E06	MISCELLANEOUS MATERIAL (OTHER)	NO	NO	POOR	0	SF	WHITE WOVEN WITH BLACK TAR PAPER BACKING	AMIS
31 E06	PIPE INSULATION	NO	YES	GOOD	7	LF	2-4" SH SUPPLY/RETURN	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
31 E06	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	3	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E06	WALL COVERING (DRYWALL)	NO	NO	FAIR	809	SF	DRYWALL/WALL BOARD	AMIS
31 E06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	270	SF	SPACKLE JOINT MATERIAL	AMIS
31 E06	WALL COVERING (PANELS)	YES	NO	GOOD	455	SF	WALL PANEL, TRANSITE	AMIS
31 E07	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	103	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E07	CEILING MATERIALS (TILE)	NO	YES	POOR	550	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	50	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E07	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	SILVER DUCT MASTIC ON AC	AMIS
31 E07	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E07	FLOOR COVERING (TILE)	YES	NO	POOR	550	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E07	PIPE INSULATION	NO	YES	POOR	6	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E07	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E07	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E07	WALL COVERING (DRYWALL)	NO	NO	GOOD	650	SF	DRYWALL/WALL BOARD	AMIS
31 E07	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	217	SF	SPACKLE JOINT MATERIAL	AMIS
31 E07	WALL COVERING (PANELS)	YES	NO	GOOD	432	SF	WALL PANEL, TRANSITE	AMIS
31 E08	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	106	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E08	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	110	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E08	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	2	SF	WHITE AC DUCT MASTIC	AMIS
31 E08	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E08	FLOOR COVERING (TILE)	YES	NO	GOOD	550	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
31 E08	MISCELLANEOUS MATERIAL (SEALANT, CAULK)	YES	NO	GOOD	104	LF	BROWN CAULK	AMIS
31 E08	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E08	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	15	EA	BLACK TAR ON ELBOWS AND VALVES OF 2-4" DOMESTIC WATER LINES	AMIS
31 E08	WALL COVERING (BASEBOARD)	NO	NO	GOOD	104	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E08	WALL COVERING (DRYWALL)	NO	NO	GOOD	416	SF	DRYWALL/WALL BOARD	AMIS
31 E08	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	138	SF	SPACKLE JOINT MATERIAL	AMIS
31 E08	WALL COVERING (PANELS)	YES	NO	GOOD	296	SF	WALL PANEL, TRANSITE	AMIS
31 E09A	WALL COVERING (DRYWALL)	NO	YES	GOOD	120	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
31 E09A	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	67	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E09A	CEILING MATERIALS (TILE)	NO	YES	FAIR	424	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E09A	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E09A	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
31 E09A	FLOOR COVERING (TILE)	YES	NO	FAIR	424	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E09A	PIPE INSULATION	NO	YES	GOOD	15	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E09A	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E09A	WALL COVERING (BASEBOARD)	NO	NO	GOOD	380	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E09A	WALL COVERING (DRYWALL)	NO	NO	GOOD	127	SF	DRYWALL/WALL BOARD	AMIS
31 E09A	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	123	SF	SPACKLE JOINT MATERIAL	AMIS
31 E09A	WALL COVERING (PANELS)	YES	NO	GOOD	312	SF	WALL PANEL, TRANSITE	AMIS
31 E09B	CEILING MATERIALS (TILE)	NO	NO	GOOD	16	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31 E09B	WALL COVERING (DRYWALL)	NO	YES	GOOD	120	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
31 E09B	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	67	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
31 E09B	CEILING MATERIALS (TILE)	NO	YES	FAIR	132	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E09B	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E09B	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
31 E09B	FLOOR COVERING (TILE)	YES	NO	FAIR	148	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E09B	WALL COVERING (BASEBOARD)	NO	NO	GOOD	39	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E09B	WALL COVERING (DRYWALL)	NO	NO	GOOD	270	SF	DRYWALL/WALL BOARD	AMIS
31 E09B	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	90	SF	SPACKLE JOINT MATERIAL	AMIS
31 E09B	WALL COVERING (PANELS)	YES	NO	GOOD	120	SF	WALL PANEL, TRANSITE	AMIS
31 E10	CEILING MATERIALS (TILE)	NO	NO	GOOD	8	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31 E10	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	98	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E10	WALL COVERING (DRYWALL)	NO	YES	GOOD	1,680	SF	GYPSUM WALLBOARD PANEL FABRIC COVER AND PAPERBACKING	ATLAS
31 E10	CEILING MATERIALS (TILE)	NO	YES	GOOD	528	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E10	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	58	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E10	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E10	FLOOR COVERING (TILE)	YES	NO	FAIR	528	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E10	PIPE INSULATION	NO	YES	GOOD	10	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E10	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E10	WALL COVERING (BASEBOARD)	NO	NO	GOOD	98	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E10	WALL COVERING (DRYWALL)	NO	NO	GOOD	612	SF	DRYWALL/WALL BOARD	AMIS
31 E10	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	204	SF	SPACKLE JOINT MATERIAL	AMIS
31 E10	WALL COVERING (PANELS)	YES	NO	GOOD	432	SF	WALL PANEL, TRANSITE	AMIS
31 E11	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	104	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E11	CEILING MATERIALS (TILE)	NO	YES	FAIR	538	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E11	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E11	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E11	FLOOR COVERING (TILE)	YES	NO	FAIR	538	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E11	PIPE INSULATION	NO	YES	GOOD	20	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E11	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	8	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E11	WALL COVERING (BASEBOARD)	NO	NO	GOOD	106	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E11	WALL COVERING (DRYWALL)	NO	NO	GOOD	742	SF	DRYWALL/WALL BOARD	AMIS
31 E11	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	248	SF	SPACKLE JOINT MATERIAL	AMIS
31 E11	WALL COVERING (PANELS)	YES	NO	GOOD	454	SF	WALL PANEL, TRANSITE	AMIS
31 E12	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	106	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E12	CEILING MATERIALS (TILE)	NO	YES	FAIR	571	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E12	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	80	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E12	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E12	FLOOR COVERING (TILE)	YES	NO	FAIR	511	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E12	PIPE INSULATION	NO	YES	GOOD	7	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E12	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	5	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E12	WALL COVERING (BASEBOARD)	NO	NO	GOOD	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E12	WALL COVERING (DRYWALL)	NO	NO	GOOD	756	SF	DRYWALL/WALL BOARD	AMIS
31 E12	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	252	SF	SPACKLE JOINT MATERIAL	AMIS
31 E12	WALL COVERING (PANELS)	YES	NO	GOOD	396	SF	WALL PANEL, TRANSITE	AMIS
31 E13	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	100	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E13	CEILING MATERIALS (TILE)	NO	YES	FAIR	550	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
31 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	60	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E13	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	4	SF	SILVER DUCT MASTIC ON AC	AMIS
31 E13	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
31 E13	FLOOR COVERING (TILE)	YES	NO	FAIR	550	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E13	PIPE INSULATION	NO	YES	GOOD	24	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E13	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E13	WALL COVERING (BASEBOARD)	NO	NO	GOOD	105	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E13	WALL COVERING (DRYWALL)	NO	NO	FAIR	525	SF	DRYWALL/WALL BOARD	AMIS
31 E13	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	175	SF	SPACKLE JOINT MATERIAL	AMIS
31 E13	WALL COVERING (PANELS)	YES	NO	GOOD	522	SF	WALL PANEL, TRANSITE	AMIS
31 E14	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	105	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31 E14	CEILING MATERIALS (TILE)	NO	YES	FAIR	537	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E14	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	85	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E14	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
31 E14	FLOOR COVERING (TILE)	YES	NO	FAIR	537	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E14	PIPE INSULATION	NO	YES	GOOD	30	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E14	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	7	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E14	WALL COVERING (BASEBOARD)	NO	NO	GOOD	104	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E14	WALL COVERING (DRYWALL)	NO	NO	GOOD	388	SF	DRYWALL/WALL BOARD	AMIS
31 E14	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	129	SF	SPACKLE JOINT MATERIAL	AMIS
31 E14	WALL COVERING (PANELS)	YES	NO	GOOD	620	SF	WALL PANEL, TRANSITE	AMIS
31 E15	CEILING MATERIALS (TILE)	NO	YES	GOOD	540	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	15	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31 E15	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	5	SF	SILVER DUCT MASTIC ON AC	AMIS
31 E15	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
31 E15	FLOOR COVERING (TILE)	YES	NO	GOOD	540	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31 E15	PIPE INSULATION	NO	YES	GOOD	25	LF	2-4" SH SUPPLY/RETURN	AMIS
31 E15	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	12	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31 E15	WALL COVERING (BASEBOARD)	NO	NO	GOOD	102	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31 E15	WALL COVERING (DRYWALL)	NO	NO	GOOD	297	SF	DRYWALL/WALL BOARD	AMIS
31 E15	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	99	SF	SPACKLE JOINT MATERIAL	AMIS
31 E15	WALL COVERING (PANELS)	YES	NO	GOOD	459	SF	WALL PANEL, TRANSITE	AMIS
31EH01	CEILING MATERIALS (TILE)	NO	NO	POOR	20	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31EH01	CEILING MATERIALS (TILE)	NO	YES	POOR	890	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31EH01	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	900	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31EH01	FLOOR COVERING (TILE)	YES	NO	FAIR	890	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31EH01	PIPE INSULATION	NO	YES	GOOD	275	LF	2-4" SH SUPPLY/RETURN	AMIS
31EH01	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	42	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31EH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	356	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31EH01	WALL COVERING (DRYWALL)	NO	NO	POOR	4,272	SF	DRYWALL/WALL BOARD	AMIS
31EH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	1,424	SF	SPACKLE JOINT MATERIAL	AMIS
31EH02	CEILING MATERIALS (TILE)	NO	NO	POOR	18	SF	2' X 4' NATURAL FISSURE WITH PIN HOLES	AMIS
31EH02	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	100	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31EH02	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	60	LF	GRAY BUILDING SEAL	AMIS
31EH02	CEILING MATERIALS (TILE)	NO	YES	FAIR	356	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
31EH02	FLOOR COVERING (TILE)	YES	NO	FAIR	356	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31EH02	WALL COVERING (BASEBOARD)	NO	NO	FAIR	100	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31EH02	WALL COVERING (DRYWALL)	NO	NO	POOR	480	SF	DRYWALL/WALL BOARD	AMIS
31EH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	101	SF	SPACKLE JOINT MATERIAL	AMIS
31EH03	MISCELLANEOUS MATERIAL (MASTIC)	NO	NO	GOOD	356	LF	BROWN MASTIC ON 12X12 WHITE CEILING TILE	ATLAS
31EH03	CEILING MATERIALS (TILE)	NO	YES	POOR	64	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
31EH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	6	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
31EH03	FLOOR COVERING (TILE)	YES	NO	FAIR	64	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
31EH03	PIPE INSULATION	NO	YES	GOOD	35	LF	2-4" SH SUPPLY/RETURN	AMIS
31EH03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	GOOD	4	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
31EH03	WALL COVERING (BASEBOARD)	NO	NO	POOR	36	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
31EH03	WALL COVERING (DRYWALL)	NO	NO	POOR	360	SF	DRYWALL/WALL BOARD	AMIS
31EH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	POOR	120	SF	SPACKLE JOINT MATERIAL	AMIS
31EH03	WALL COVERING (PANELS)	YES	NO	GOOD	27	SF	WALL PANEL, TRANSITE	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
05F03	WALL COVERING (DRYWALL)	NO	NO	FAIR	432	SF	CONCRETE BLOCK	ATLAS
05F03	WALL COVERING (DRYWALL)	NO	NO	FAIR	720	SF	GYPSUM WALLBOARD	ATLAS
05F03	WALL COVERING (DRYWALL)	NO	NO	FAIR	240	SF	GYPSUM WALLBOARD , JOINT COMPOUND	ATLAS
05F03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	250	SF	SILVER DUCT MASTIC ON AC	AMIS
05F03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	POOR	15	SF	GRAY DUCT MASTIC	AMIS
05F03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	FAIR	20	SF	CREAM MASTIC ON METAL DUCT	AMIS
05F03	PIPE INSULATION	NO	YES	POOR	70	LF	6-8" OUTER DIAMETER CHILL SUP & RET H20 LINE WHITE SKN FOIL MASTIC FBG	AMIS
05F03	PIPE INSULATION	NO	YES	GOOD	100	LF	6-8" OUTER DIAMETER SH RET SUP LN WHITE SKN FOIL MASTIC FBG	AMIS
05F03	PIPE INSULATION	NO	YES	GOOD	48	LF	2-4" CHILL H20 SUPPLY/RETURN	AMIS
05F03	PIPE INSULATION	NO	YES	GOOD	100	LF	2-4" SH SUPPLY/RETURN	AMIS
05F03	MISCELLANEOUS MATERIAL (PIPE WRAP)	YES	NO	FAIR	40	LF	BLACK STICKY PIPE WIPE	AMIS
05F03	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	POOR	13	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
05F03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	40	EA	2-4" OUTER DIAMETER MUDDED ELBOW CHILL H20 LINE	AMIS
05F03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	POOR	20	EA	6-8" OUTER DIAMETER RET & SUPPLY H20 CHILL VALVE MUDDED	AMIS
05F03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	30	EA	6-8" OUTER DIAMETER ELBOW RET & SUPPLY CHILL MUDDED	AMIS
05F03	VALVES, ELBOWS, TEE'S (MUD)	YES	YES	FAIR	15	EA	2-4" SH H20 SUPPLY/RETURN ELBOW	AMIS
05F03	VALVES, ELBOWS, TEE'S (MUD)	NO	NO	FAIR	3	EA	8" OUTER DIAMETER WHITE MASTIC OVER FOAM GLASS ON CHILL H20	AMIS
05F03	WALL COVERING (PANELS)	YES	NO	GOOD	1,200	SF	WHITE TRANSITE WALL PANEL WITH HOLES	AMIS
05F03 - NF	FLOOR COVERING (OTHER)	NO	NO	GOOD	0	LF	BLACK BRITTLE FLOOR MASTIC	AMIS
05FEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	12	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
05FEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	40	LF	GRAY BUILDING SEAL	AMIS
05FH01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	35	LF	GRAY BUILDING SEAL	AMIS
25F04	CEILING MATERIALS (TILE)	NO	YES	FAIR	336	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25F04	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	70	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25F04	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	LF	BLACK EDGE STRIPING	AMIS
25F04	FLOOR COVERING (TILE)	YES	NO	POOR	336	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25F04	PIPE INSULATION	NO	YES	GOOD	25	LF	2" OUTER DIAMETER CONDENSATE DRAIN	ATLAS
25F04	WALL COVERING (BASEBOARD)	NO	NO	FAIR	76	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25F04	WALL COVERING (DRYWALL)	NO	NO	FAIR	416	SF	DRYWALL/WALL BOARD	AMIS
25F04	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	138	SF	SPACKLE JOINT MATERIAL	AMIS
25F04	WALL COVERING (PANELS)	YES	NO	GOOD	260	SF	WALL PANEL, TRANSITE	AMIS
25F05	CEILING MATERIALS (TILE)	NO	YES	FAIR	420	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS
25F05	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	130	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25F05	FLOOR COVERING (OTHER)	YES	NO	GOOD	6	LF	BLACK EDGE STRIPING	AMIS
25F05	FLOOR COVERING (TILE)	YES	NO	POOR	420	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25F05	WALL COVERING (BASEBOARD)	NO	NO	GOOD	88	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25F05	WALL COVERING (DRYWALL)	NO	NO	GOOD	464	SF	DRYWALL/WALL BOARD	AMIS
25F05	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	154	SF	SPACKLE JOINT MATERIAL	AMIS
25F05	WALL COVERING (PANELS)	YES	NO	GOOD	440	SF	WALL PANEL, TRANSITE	AMIS
25F05S - NF	PIPE INSULATION	NO	YES	GOOD	0	LF	2" OUTER DIAMETER AC DRAIN LINE WHITE SKN FOIL MASTIC FBG	AMIS
25F05S - NF	WALL COVERING (BASEBOARD)	NO	NO	GOOD	0	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25F05S - NF	WALL COVERING (DRYWALL)	NO	NO	GOOD	0	SF	DRYWALL/WALL BOARD	AMIS
25F05S - NF	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	0	SF	SPACKLE JOINT MATERIAL	AMIS
25F06	CEILING MATERIALS (TILE)	NO	YES	GOOD	126	SF	2' X 4' WHITE YELLOW CORE WHITE YELLOW BOTTOM	AMIS

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ROOM NUMBER	MATERIAL TYPE	ASBESTOS	FRIABLE	CONDITION	QUANTITY	UNIT	COMMENTS	REPORT BY
25F06	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25F06	FLOOR COVERING (OTHER)	YES	NO	GOOD	3	SF	BLACK EDGE STRIPING	AMIS
25F06	FLOOR COVERING (TILE)	YES	NO	POOR	126	SF	12"X12" BEIGE WITH GRAY FLOOR TILE	AMIS
25F06	WALL COVERING (BASEBOARD)	NO	NO	GOOD	46	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25F06	PIPE INSULATION	NO	YES	GOOD	10	LF	2" OUTER DIAMETER CONDENSATE DRAIN	ATLAS
25F06	WALL COVERING (DRYWALL)	NO	NO	GOOD	296	SF	DRYWALL/WALL BOARD	AMIS
25F06	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	98	SF	SPACKLE JOINT MATERIAL	AMIS
25F06	WALL COVERING (PANELS)	YES	NO	GOOD	110	SF	WALL PANEL, TRANSITE	AMIS
25FEL01	FLOOR COVERING (OTHER)	NO	NO	GOOD	5	LF	BLACK FLOOR SEAL AROUND BUILDING SUPPORT BEAM	AMIS
25FEL01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	36	LF	GRAY BUILDING SEAL	AMIS
25FEL01	PIPE INSULATION	NO	YES	GOOD	30	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25FEL01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	GOOD	3	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
25FEL01	WALL COVERING (DRYWALL)	NO	NO	GOOD	120	SF	DRYWALL/WALL BOARD	AMIS
25FEL01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	40	SF	SPACKLE JOINT MATERIAL	AMIS
25FH01	FLOOR COVERING (TILE)	YES	NO	POOR	608	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25FH01	MISCELLANEOUS (BUILDING SEAL)	NO	NO	GOOD	88	LF	GRAY BUILDING SEAL	AMIS
25FH01	PIPE INSULATION	NO	YES	FAIR	12	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25FH01	ELBOWS, VALVES, TEE'S (OTHER)	YES	NO	FAIR	1	EA	WHITE MASTIC OVER VINYL O/FIBERGLASS	AMIS
25FH01	WALL COVERING (BASEBOARD)	NO	NO	FAIR	108	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25FH01	WALL COVERING (DRYWALL)	NO	NO	POOR	540	SF	DRYWALL/WALL BOARD	AMIS
25FH01	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	180	SF	SPACKLE JOINT MATERIAL	AMIS
25FH02	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	40	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25FH02	FLOOR COVERING (TILE)	YES	NO	GOOD	200	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25FH02	WALL COVERING (BASEBOARD)	NO	NO	GOOD	75	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25FH02	WALL COVERING (DRYWALL)	NO	NO	GOOD	720	SF	DRYWALL/WALL BOARD	AMIS
25FH02	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	GOOD	240	SF	SPACKLE JOINT MATERIAL	AMIS
25FH03	MISCELLANEOUS MATERIAL (MASTIC)	YES	NO	GOOD	30	SF	BLACK MASTIC ON AC DUCT/PIPE (TEE'S & ELBOWS)	AMIS
25FH03	FLOOR COVERING (TILE)	YES	NO	GOOD	55	SF	12" X 12" LIGHT GRAY WITH BLUE & WHITE PATTERN FLOOR TILE	AMIS
25FH03	PIPE INSULATION	NO	YES	GOOD	5	LF	2" OUTER DIAMETER CONDENSATE DRAIN	AMIS
25FH03	WALL COVERING (BASEBOARD)	NO	NO	GOOD	40	LF	BLACK VINYL BASEBOARD WITH MASTIC	AMIS
25FH03	WALL COVERING (DRYWALL)	NO	NO	FAIR	390	SF	DRYWALL/WALL BOARD	AMIS
25FH03	WALL COVERING (SPACKLE, JOINT COMPOUND)	YES	NO	FAIR	130	SF	SPACKLE JOINT MATERIAL	AMIS

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