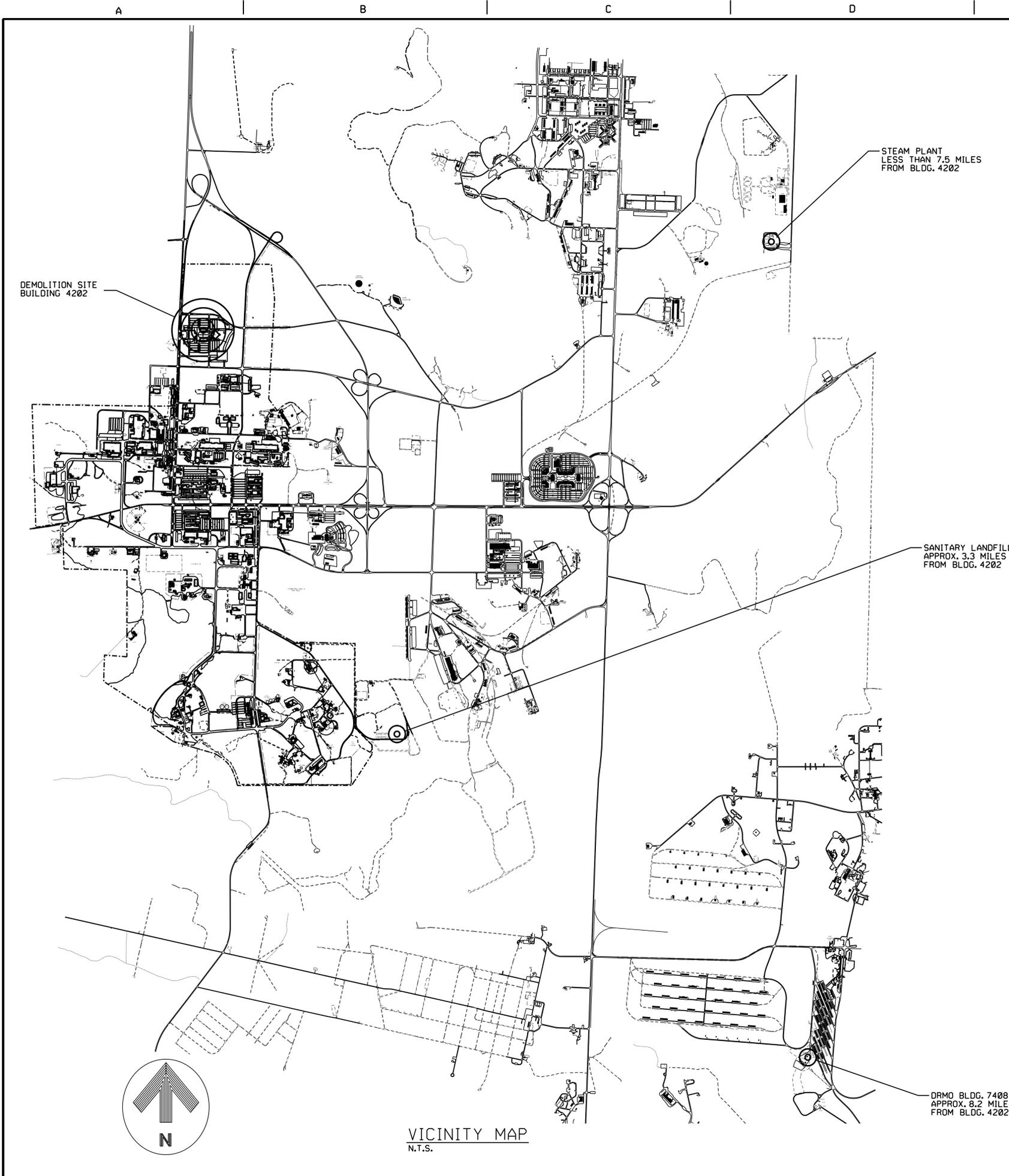


# BUILDING 4202 DEMOLISH BUILDING 4202

## MARSHALL SPACE FLIGHT CENTER, ALABAMA

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CD2	SITE DEMOLITION GRADING AND DRAINAGE PLAN	FAC-CR-4202-CD2	△
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ED1	ELECTRICAL SITE PLAN AND NOTES	FAC-CR-4202-ED1	

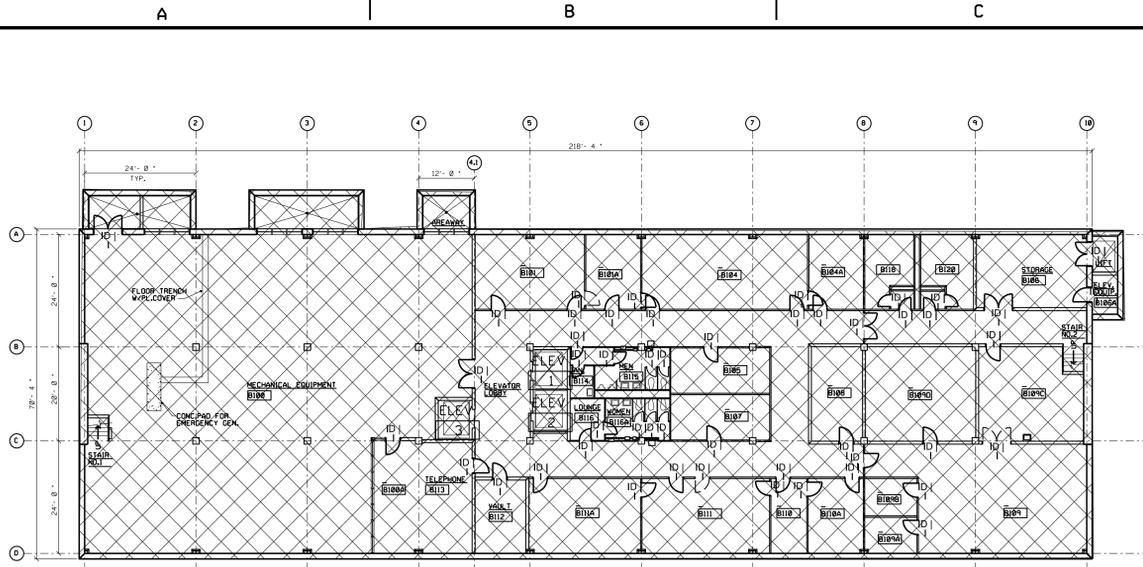
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VICINITY MAP  
N.T.S.

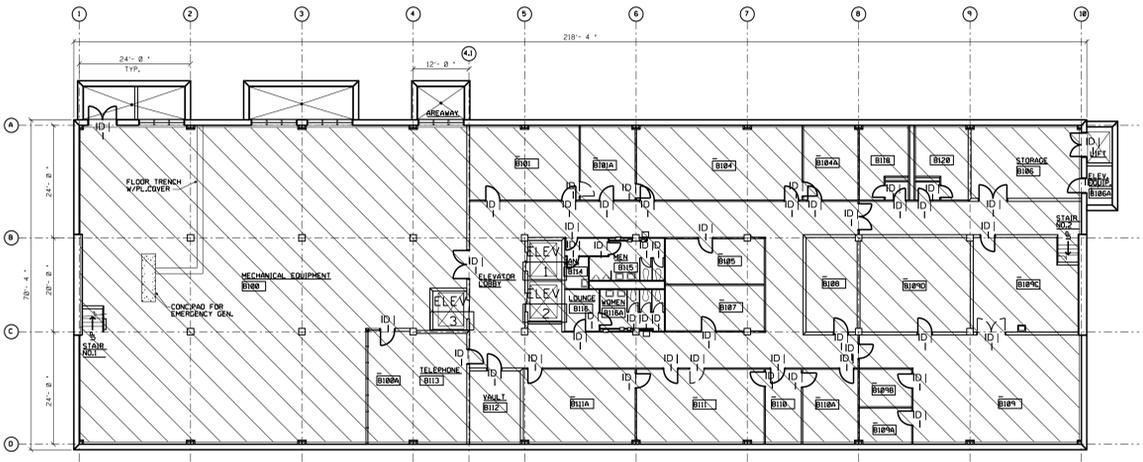




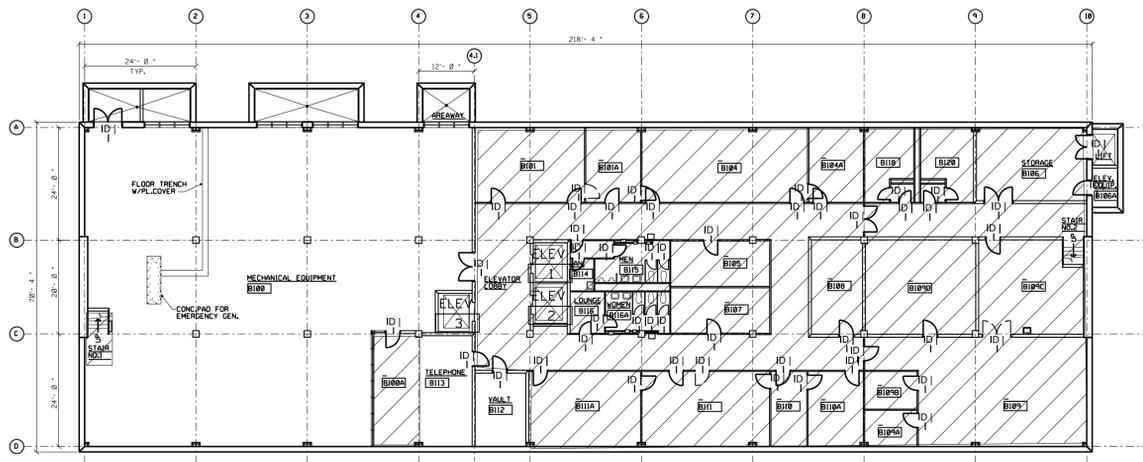




**BASEMENT ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION**  
SCALE: 1/16" = 1'-0"



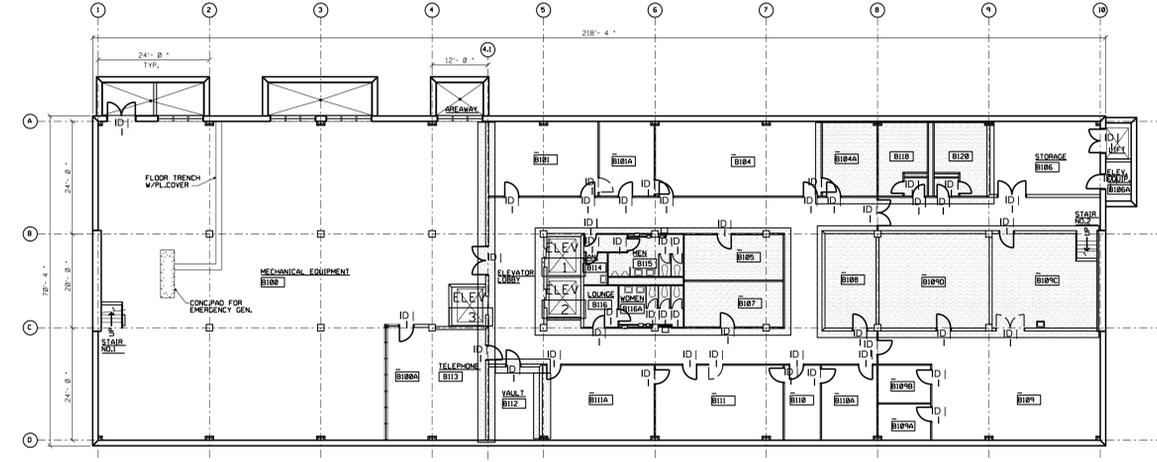
**BASEMENT ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS**  
SCALE: 1/16" = 1'-0"



**BASEMENT ABATEMENT PLAN  
FLOOR TILE & MASTIC**  
SCALE: 1/16" = 1'-0"

**ABATEMENT NOTES**

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO BIDDING AND DEMOLITION. WORK DISCREPANCIES THROUGH THE COTR.
2. PROVIDE CONSTRUCTION BARRIERS AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY INTO WORK AREAS.
3. THE ASBESTOS ABATEMENT INFORMATION ON THESE DRAWINGS IS BASED ON ASBESTOS SURVEY AND REPORT PREPARED BY GREAT SOUTHERN ENGINEERING, INC DATED 10/31/08 FOR BUILDING 4202. THESE ASBESTOS ABATEMENT DRAWINGS DO NOT NECESSARILY REPRESENT THE FULL EXTENT OF ACM, FOR THE PURPOSES OF BIDDING THE CONTRACTOR SHALL ASSUME THAT THE ENTIRE BUILDING 4202 IS, OR WILL BE, CONTAMINATED WITH ACM. REMOVE MATERIALS AS IF CONTAMINATED AND/OR ABATE PRIOR TO DEMOLITION AND REMOVAL. THE CONTRACTOR IS RESPONSIBLE FOR FULL ABATEMENT OF ALL ACM IN OR ON BUILDING 4202.
4. THE SAMPLING PERFORMED BY GREAT SOUTHERN ENGINEERING DID NOT INCLUDE DESTRUCTIVE TESTING, NOR DOES THE REPORT DOCUMENT THE EXACT LOCATION AND QUANTITIES OF ALL ASBESTOS CONTAINING MATERIALS.
5. THESE ASBESTOS ABATEMENT DRAWINGS ARE PROVIDED TO CONVEY A GENERAL REPRESENTATION OF THE TYPES AND EXTENT OF ASBESTOS CONTAINING MATERIALS (ACM) BELIEVED TO BE PRESENT IN BUILDING 4202. THESE ASBESTOS ABATEMENT DRAWINGS DO NOT NECESSARILY REPRESENT THE FULL EXTENT OF ACM, FOR THE PURPOSES OF BIDDING THE CONTRACTOR SHALL ASSUME THAT THE ENTIRE BUILDING 4202 IS, OR WILL BE, CONTAMINATED WITH ACM. REMOVE MATERIALS AS IF CONTAMINATED AND/OR ABATE PRIOR TO DEMOLITION AND REMOVAL. THE CONTRACTOR IS RESPONSIBLE FOR FULL ABATEMENT OF ALL ACM IN OR ON BUILDING 4202.
6. ALL AREAS ABOVE THE CEILINGS IN BUILDING 4202 WILL HAVE LOOSE ASBESTOS DEBRIS FROM SPRAY APPLIED INSULATION.

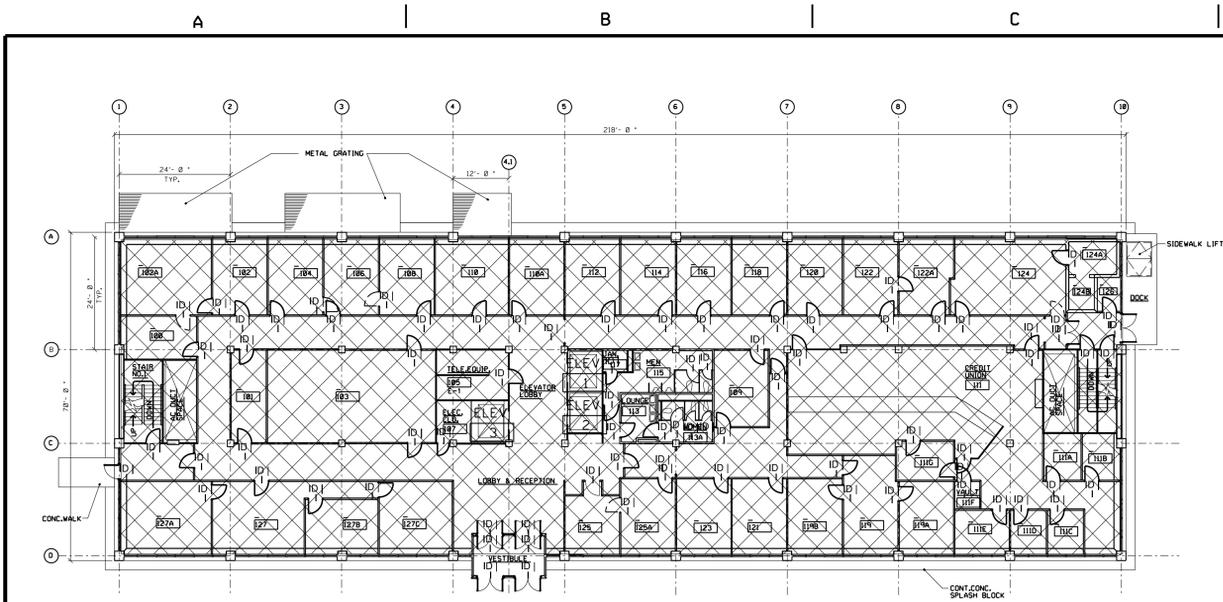


**BASEMENT ABATEMENT PLAN  
PLASTER WALLS & CEILINGS**  
SCALE: 1/16" = 1'-0"

**ASBESTOS ABATEMENT LEGEND**

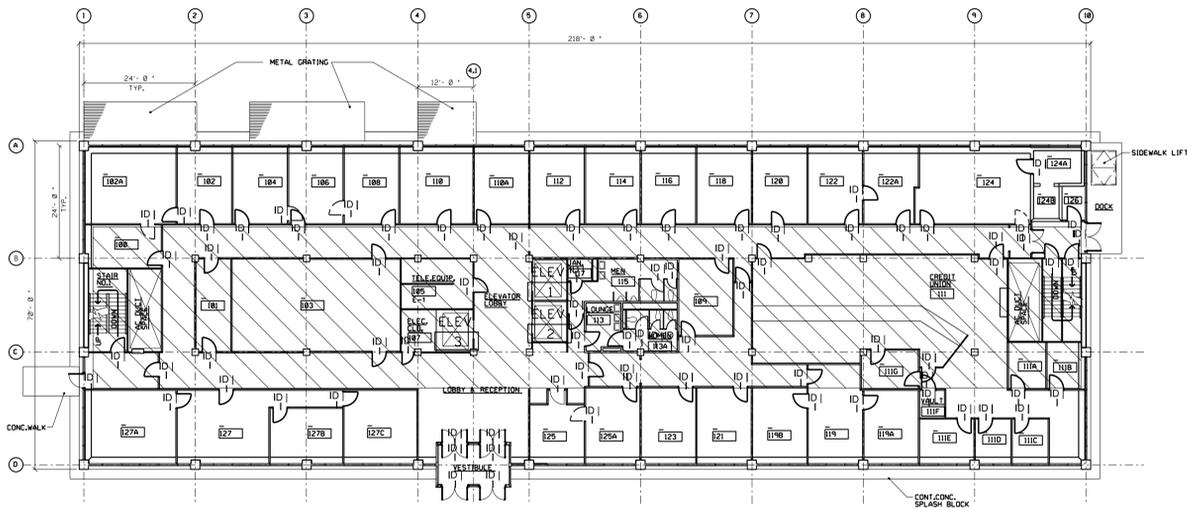
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- PIPE INSULATION AND RELATED ELBOWS AND JOINTS
- 9"x9" FLOOR TILE AND MASTIC
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LMD		BY: 8. THOMPSON 03:00 PM	
CONCURRENCE: DATE: USING OFFICE CONCURRENCE: DATE: CONCURRENCE: DATE: PLANNING OFFICE CONCURRENCE: DATE: 12-24-13 ENVIRONMENTAL ENGINEERING OFFICE CONCURRENCE: DATE: UCS MANAGER CONCURRENCE: DATE: 01-09-14 RANDALL B. FELDER OPERATIONS & MAINTENANCE GROUP CONCURRENCE: DATE: 01-07-14 TODD SPRINGER ENVIRONMENTAL HEALTH CONCURRENCE: DATE: 12-23-13 SAFETY OFFICE CONCURRENCE: DATE: 01-07-14 COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13 ROGER BROWN TELECOMMUNICATIONS EQUIPMENT AFFECTED BY THIS CONTRACT WORK IS NOT TO BE ALTERED OR REMOVED BY THE CONTRACTOR. CONTACT THE COTR IN THE EVENT OF A CONFLICT. REF. NO. AA1 OF 8		REVISION: LMD 03-24-14 MODS FOR FWR 2651046B REVISION: ESB 03-27-14 DAS 03-27-14 DLN 03-27-14 CA. NO. APPROVED <div style="text-align: center;"> <b>Marshall Space Flight Center</b>            Huntsville, Alabama 35812            WORK REQUEST NO. 2651046  <b>BUILDING 4202</b>  <b>DEMOLISH BUILDING 4202</b>            BASEMENT ASBESTOS ABATEMENT PLAN &amp; NOTES         </div> NASA AE CONTRACT NO. NNM11A39C APPROVED: DENNIS L. NORRIS TEAM LEAD DATE: 01-10-14 DRAWING NO. FAC-CR-4202-AA1 SHEET 5 OF 28	



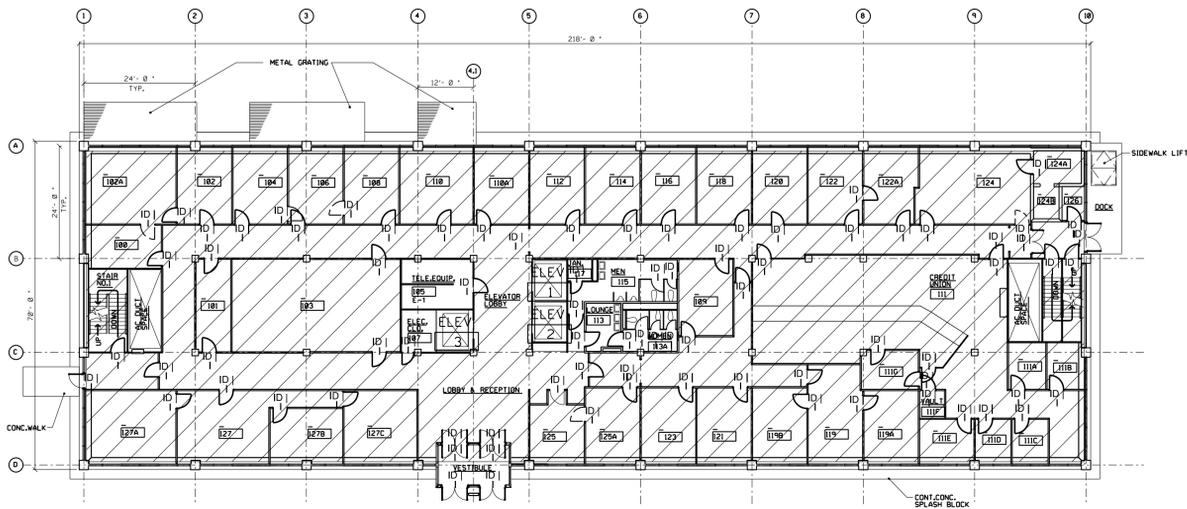
**FIRST FLOOR ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION**

SCALE: 1/16" = 1'-0"  
0 8' 16' 24'



**FIRST FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS**

SCALE: 1/16" = 1'-0"  
0 8' 16' 24'

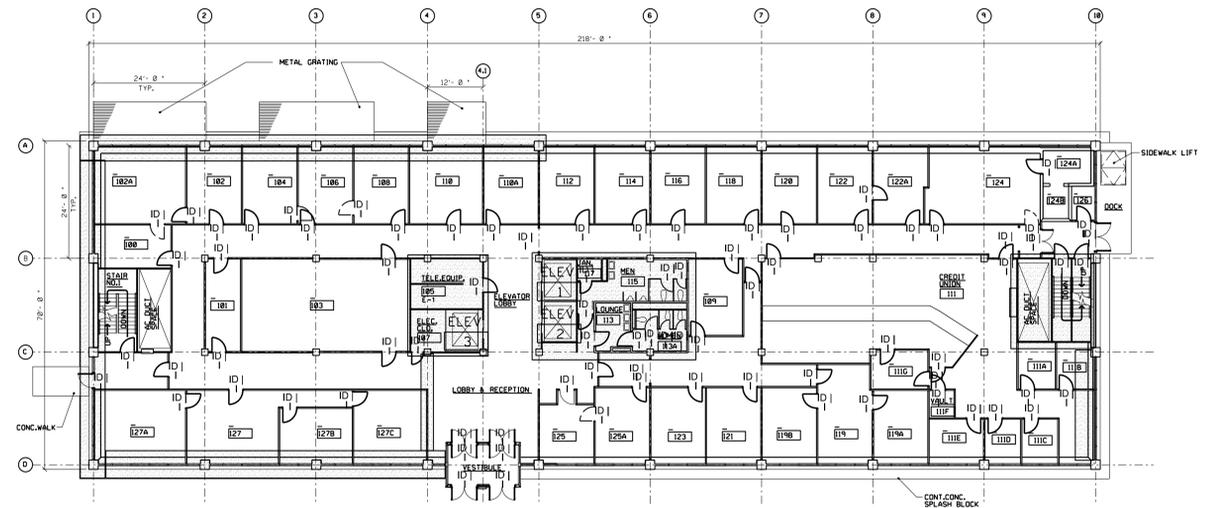


**FIRST FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC**

SCALE: 1/16" = 1'-0"  
0 8' 16' 24'

**ABATEMENT NOTES**

(REFER TO THE 'ABATEMENT NOTES' ON SHEET AA1.)



**FIRST FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS**

SCALE: 1/16" = 1'-0"  
0 8' 16' 24'

**ASBESTOS ABATEMENT LEGEND**

-  - TAN SPRAY-ON FIREPROOFING ON STRUCTURAL STEEL, DECKING AND OVERSPRAY AND INSULATION ON HVAC DUCTWORK
-  - PIPE INSULATION AND RELATED ELBOWS AND JOINTS
-  - 9"x9" FLOOR TILE AND MASTIC
-  - PLASTER IN WALLS AND CEILINGS

**WARNING**

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**CADD DRAWING**

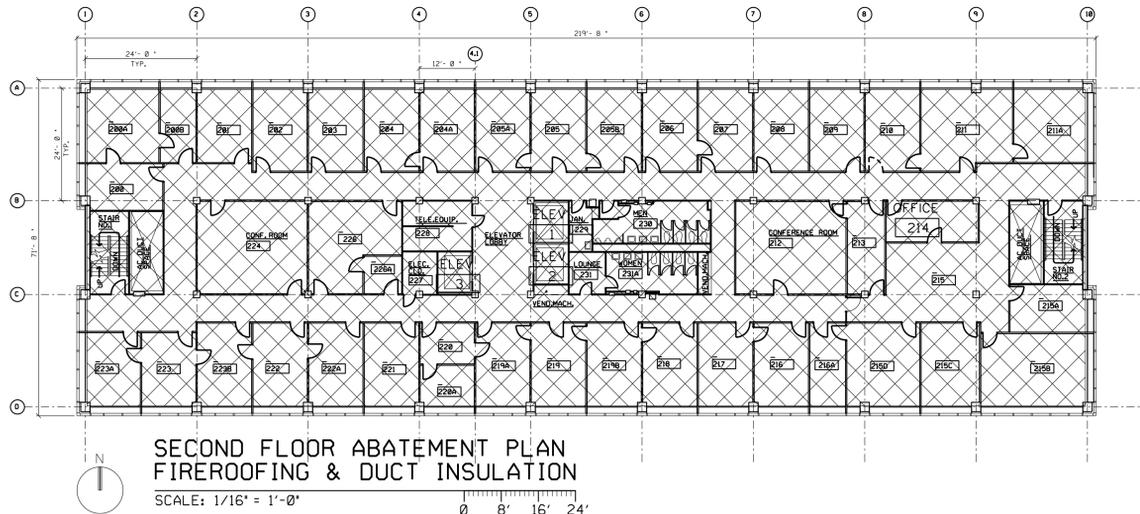
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BY: 8. THOMPSON 03:00 PM

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SAFETY OFFICE CONCURRENCE: DATE: 01-07-14			
COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13			
DESIGNED: L. DANIELL	APPROVAL RECOMMENDED: DAVID A. SELLERS	APPROVED: DENNIS L. NORRIS	
CHECKED: R. BARTON	DATE: 01-09-14	DATE: 01-10-14	
SCALE: AS NOTED	SPEC. NO. (TSRC 10)	DRAWING NO. FAC-CR-4202-AA2	SHEET 6 OF 28

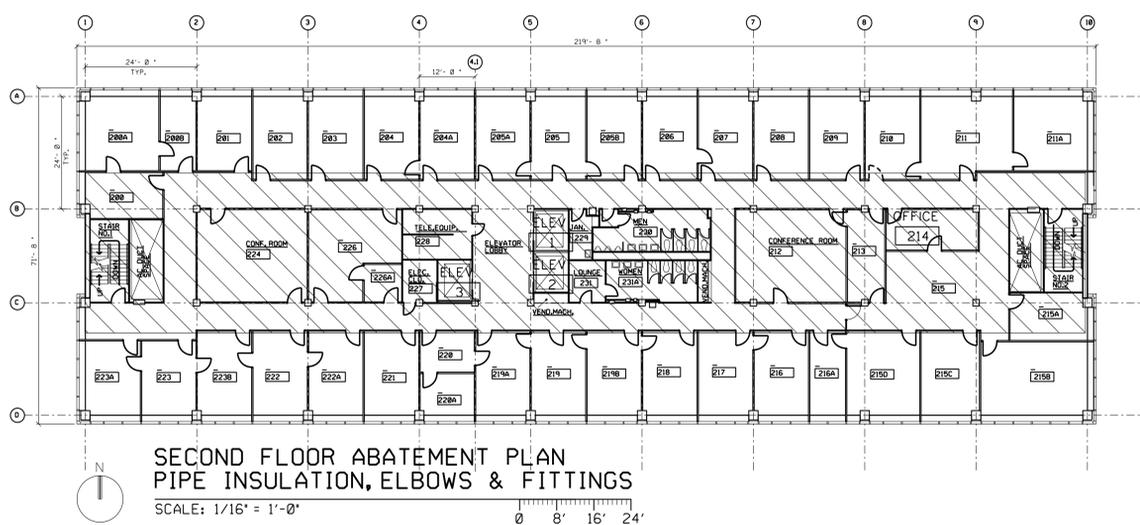
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**ABATEMENT NOTES**

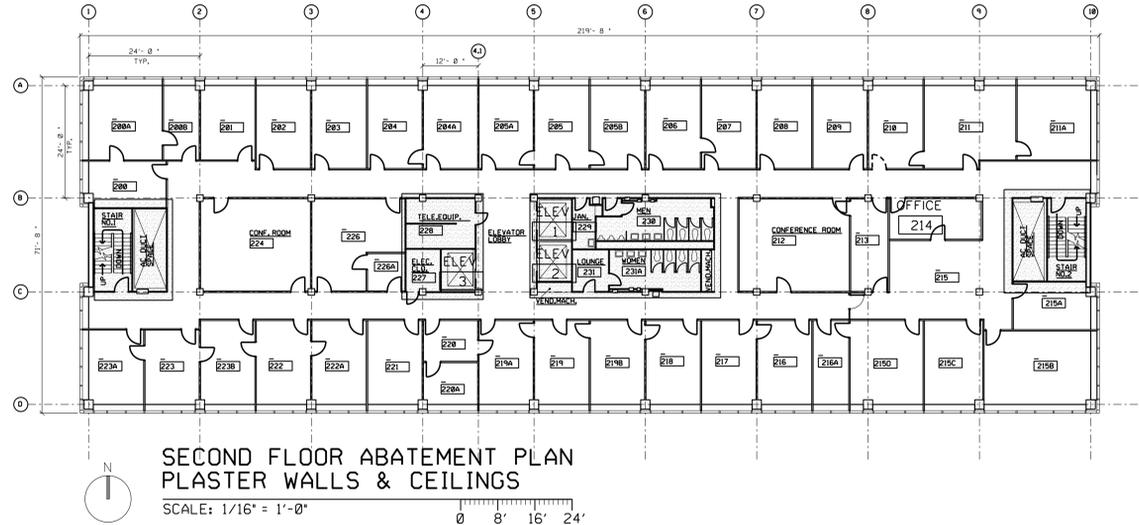
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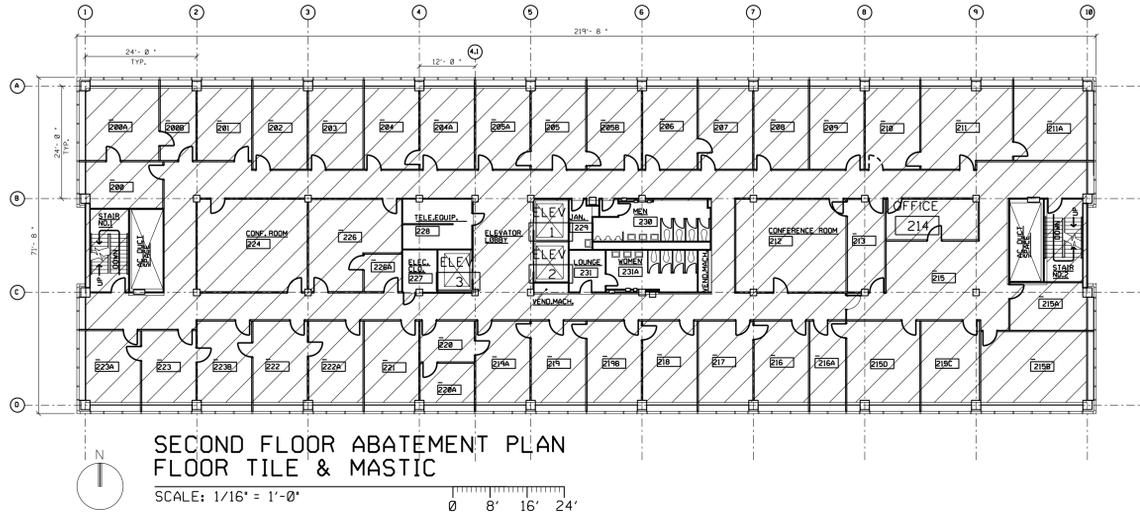
**SECOND FLOOR ABATEMENT PLAN  
FIREROOFING & DUCT INSULATION**  
SCALE: 1/16" = 1'-0"



**SECOND FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS**  
SCALE: 1/16" = 1'-0"



**SECOND FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS**  
SCALE: 1/16" = 1'-0"



**SECOND FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC**  
SCALE: 1/16" = 1'-0"

**ASBESTOS ABATEMENT LEGEND**

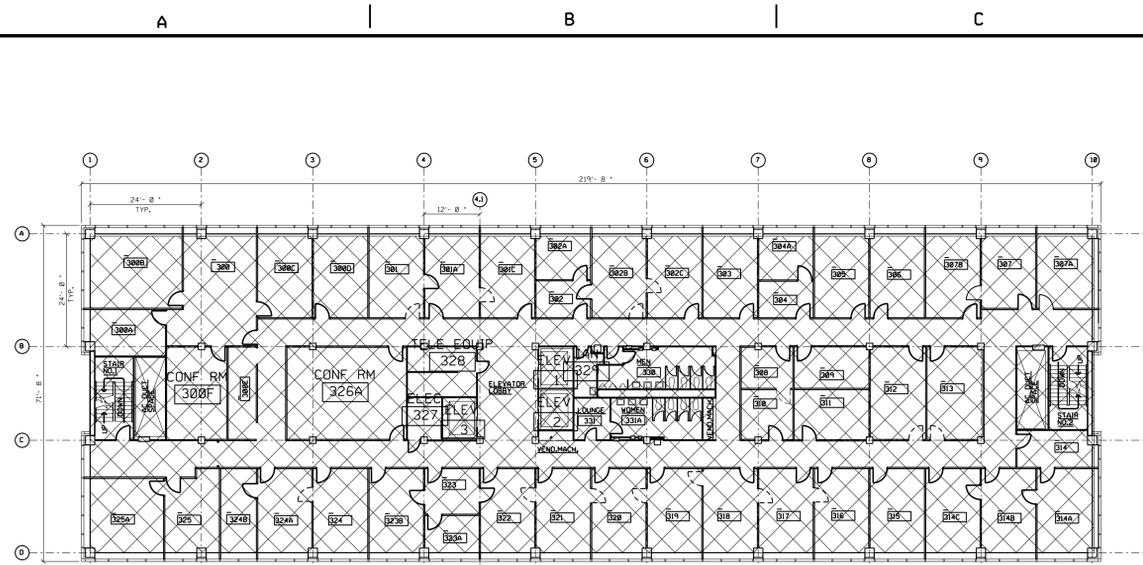
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COMMUNICATIONS OFFICE CONCURRENCE:	DATE: 12-05-13		
DESIGNED:	L. DANIELL	APPROVAL RECOMMENDED:	DAVID A. SELLERS
DRAWN:	L. DANIELL	APPROVED:	DENNIS L. NORRIS
CHECKED:	B. BARTON	DATE:	01-09-14
REF. NO.	AA3	SCALE:	AS NOTED
	OF 8	SPEC. NO.:	(TSRC 107)

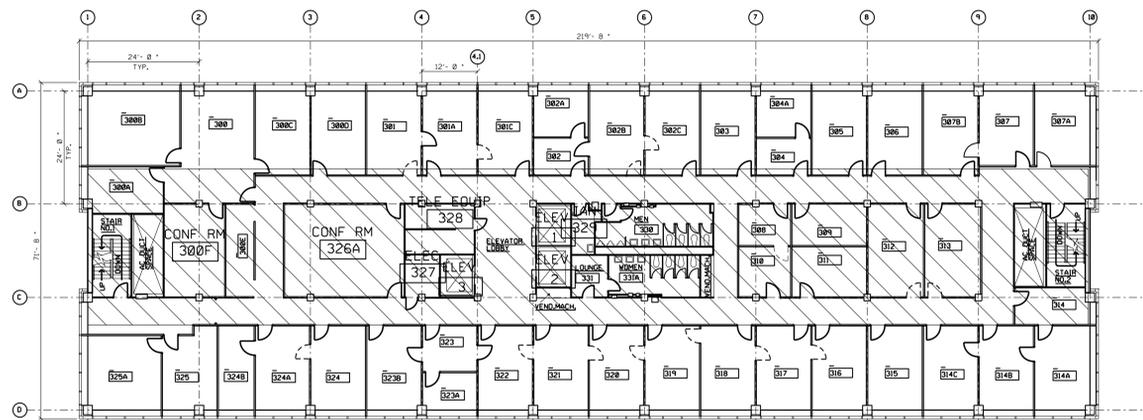
**Marshall Space Flight Center  
Huntsville, Alabama 35812**

WORK REQUEST NO. 2651046  
**BUILDING 4202**  
DEMOLISH BUILDING 4202  
SECOND FLOOR ASBESTOS ABATEMENT PLAN & NOTES

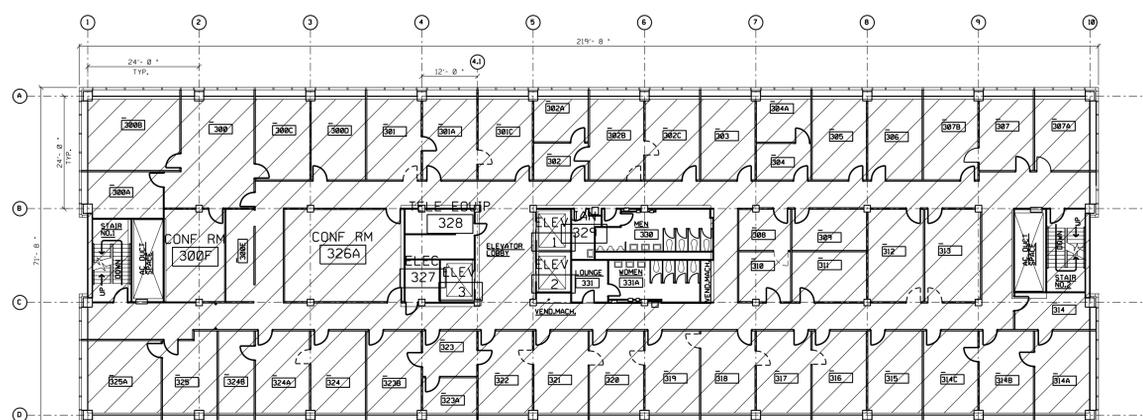
AE FIRM: <b>KAYA Associates, Inc.</b>		NASA AE CONTRACT NO. <b>NNM11A39C</b>	
SUBMITTED:	DAVID A. SELLERS	APPROVAL RECOMMENDED:	ERIC A. BOOHER
A/E: DATE:	12-05-13	PROJECT MANAGER DATE:	01-09-14
DESIGNED:	L. DANIELL	APPROVAL RECOMMENDED:	DAVID A. SELLERS
DRAWN:	L. DANIELL	APPROVED:	DENNIS L. NORRIS
CHECKED:	B. BARTON	DATE:	01-09-14
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	OF 8	SPEC. NO.:	(TSRC 107)



THIRD FLOOR ABATEMENT PLAN  
FIREROOFING & DUCT INSULATION  
SCALE: 1/16" = 1'-0"



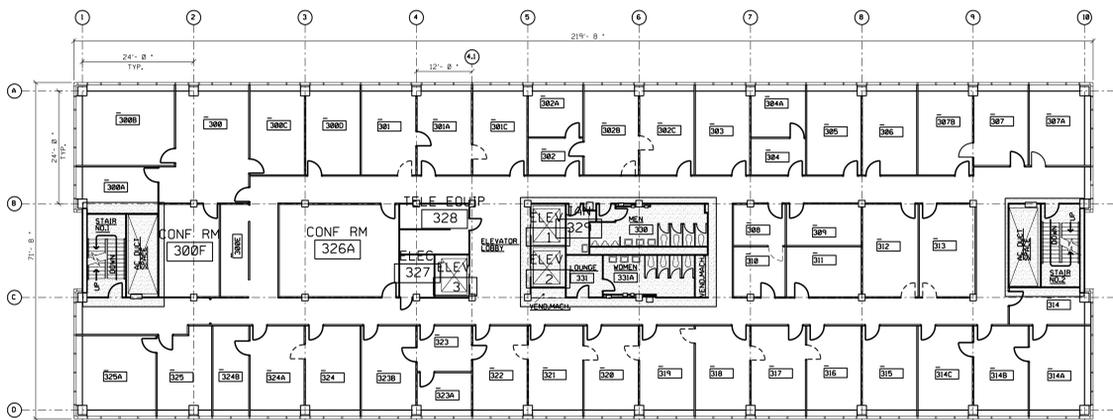
THIRD FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS  
SCALE: 1/16" = 1'-0"



THIRD FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC  
SCALE: 1/16" = 1'-0"

ABATEMENT NOTES

(REFER TO THE 'ABATEMENT NOTES' ON SHEET AA1.)

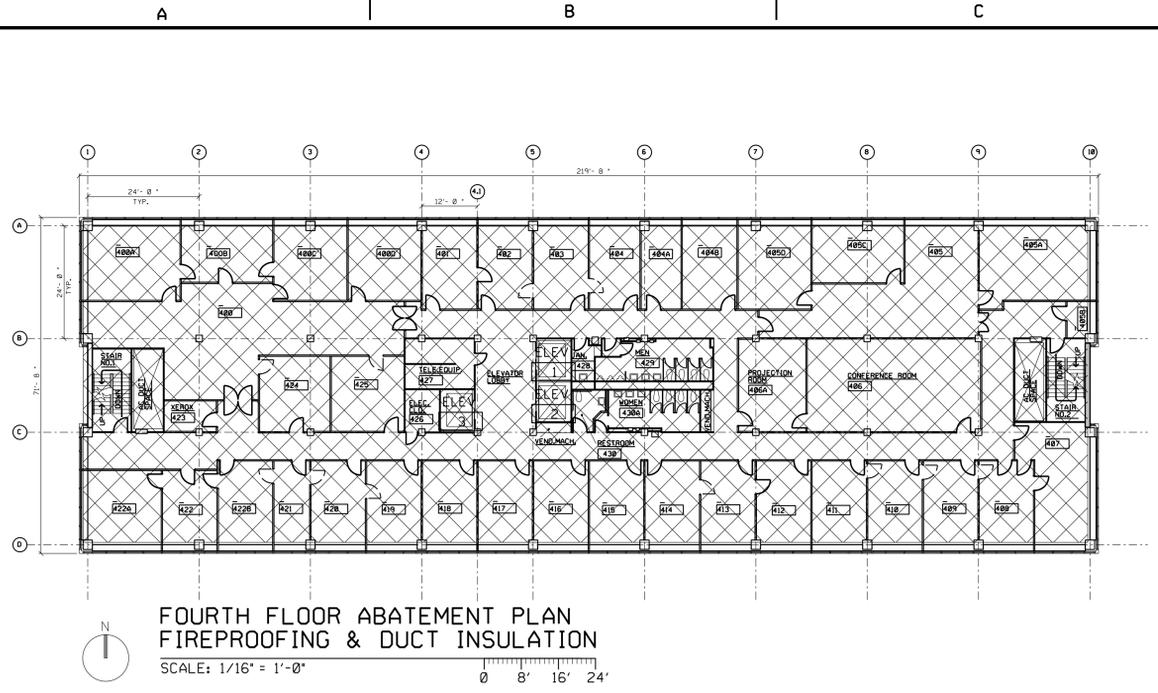


THIRD FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS  
SCALE: 1/16" = 1'-0"

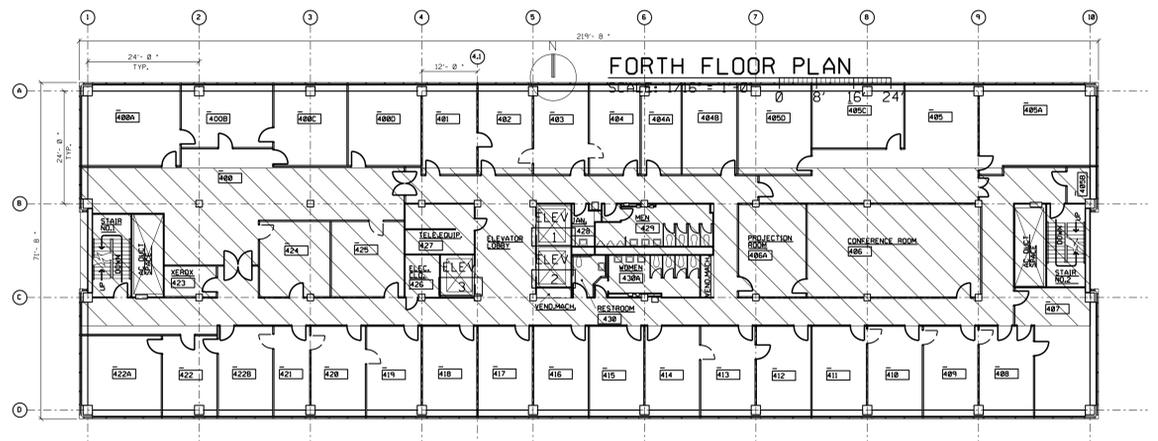
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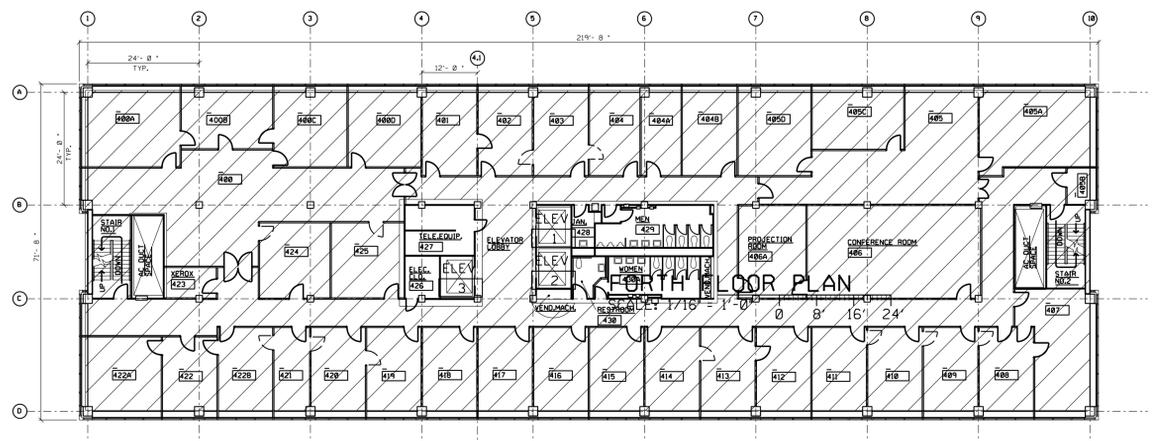
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THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"		LATEST CADD UPDATE: 03-27-14	
		BY: B. THOMPSON 03:00 PM	
CONCURRENCE:	DATE:		
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CONCURRENCE:	DATE:		
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CONCURRENCE:	DATE:		
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CONCURRENCE:	DATE:		
OPERATIONS & MAINTENANCE GROUP:	DATE:		
CONCURRENCE:	DATE:		
TODD SPRINGER:	DATE:		
ENVIRONMENTAL HEALTH:	DATE:		
CONCURRENCE:	DATE:		
SAFETY OFFICE:	DATE:		
CONCURRENCE:	DATE:		
ROGER BROWN:	DATE:		
COMMUNICATIONS OFFICE:	DATE:		
REF. NO. AA4 OF 8	DATE:		
DESIGNED: L. DANIELL	APPROVAL RECOMMENDED: DAVID A. SELLERS	APPROVED: DENNIS L. NORRIS	
DRAWN: L. DANIELL	CHECKED: B. BARTON	PROJECT MANAGER: ERIC A. BOOHER	DATE: 01-09-14
CHECKED: B. BARTON	DATE: 01-09-14	TEAM LEAD: DATE: 01-10-14	
SCALE: AS NOTED	SPEC. NO. (TSRC 10)	DRAWING NO. FAC-CR-4202-AA4	SHEET 8 OF 28



**FOURTH FLOOR ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION**  
SCALE: 1/16" = 1'-0"



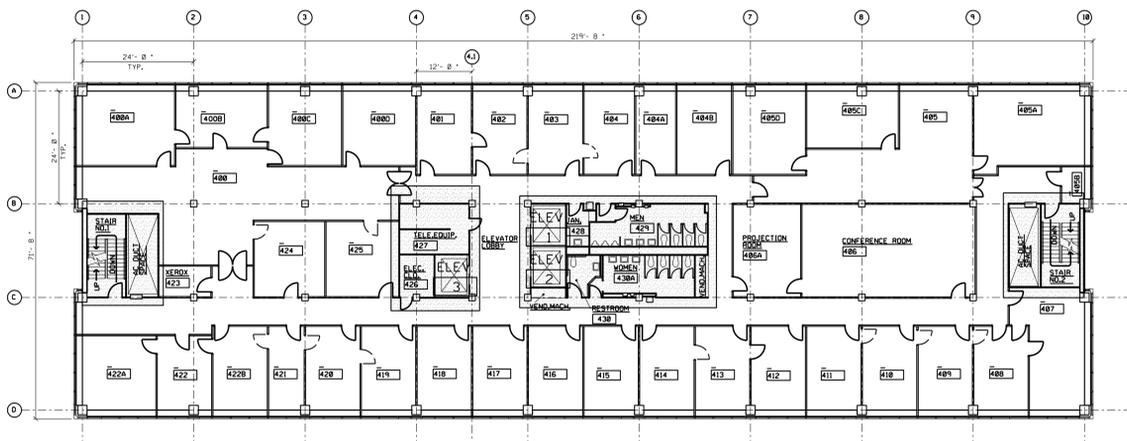
**FOURTH FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS**  
SCALE: 1/16" = 1'-0"



**FOURTH FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC**  
SCALE: 1/16" = 1'-0"

**ABATEMENT NOTES**

(REFER TO THE 'ABATEMENT NOTES' ON SHEET AA1.)

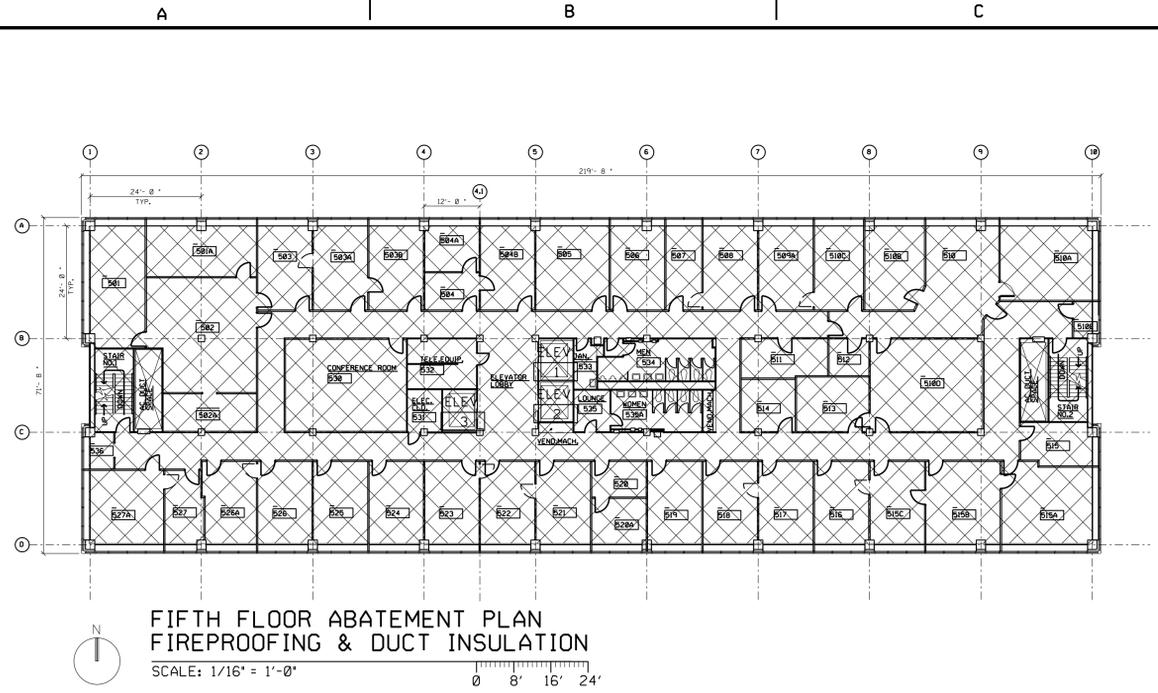


**FOURTH FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS**  
SCALE: 1/16" = 1'-0"

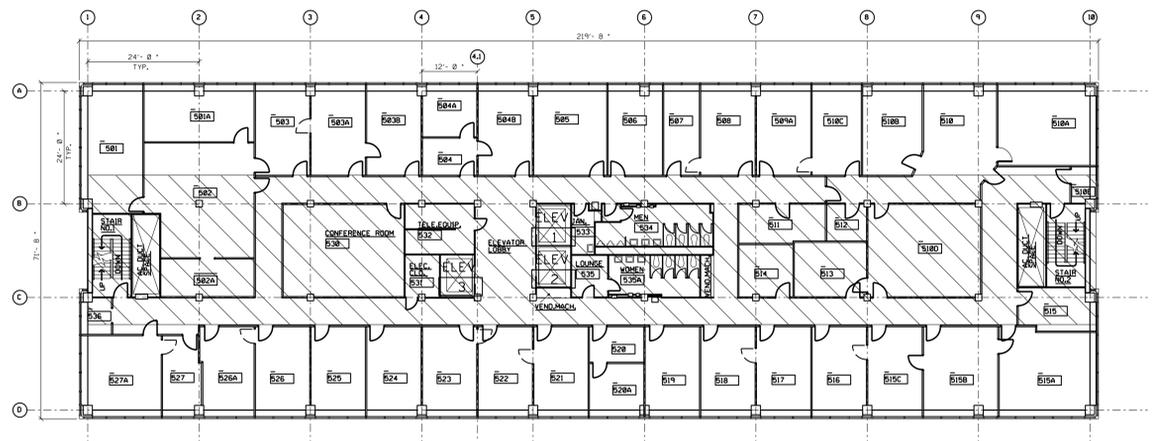
**ASBESTOS ABATEMENT LEGEND**

- TAN SPRAY-ON FIREPROOFING ON STRUCTURAL STEEL, DECKING AND OVERSPRAY AND INSULATION ON HVAC DUCTWORK
- PIPE INSULATION AND RELATED ELBOWS AND JOINTS
- 9"x9" FLOOR TILE AND MASTIC
- PLASTER IN WALLS AND CEILINGS

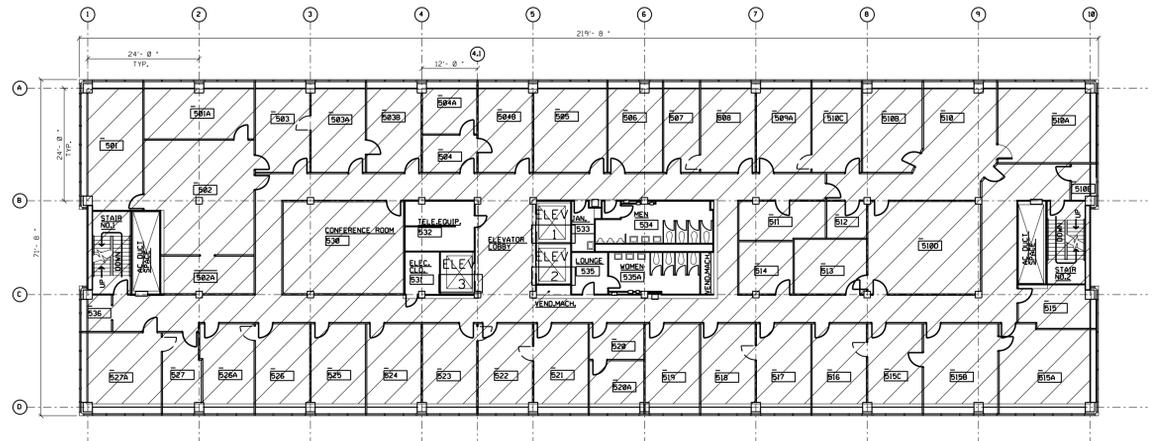
<b>WARNING</b>		<b>CADD DRAWING</b>	
<b>DO NOT SCALE THIS DRAWING</b>		CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.	
THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"		LATEST CADD UPDATE: 03-27-14	
		BY: B. THOMPSON 03:00 PM	
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USING OFFICE:	DATE:	LMD	03-24-14
CONCURRENCE:	DATE:	MODS FOR FWR	2651046B
CONCURRENCE:	DATE:	REVISION	CA. NO.
PLANNING OFFICE:	DATE:	APPROVED	
CONCURRENCE:	DATE:	<b>Marshall Space Flight Center</b>	
CONCURRENCE:	DATE:	Huntsville, Alabama 35812	
CONCURRENCE:	DATE:	WORK REQUEST NO. 2651046	
CONCURRENCE:	DATE:	<b>BUILDING 4202</b>	
CONCURRENCE:	DATE:	<b>DEMOLISH BUILDING 4202</b>	
CONCURRENCE:	DATE:	<b>FOURTH FLOOR ASBESTOS ABATEMENT PLAN &amp; NOTES</b>	
UCS MANAGER:	DATE:	AE FIRM:	KAYA Associates, Inc.
CONCURRENCE:	DATE:	NASA AE CONTRACT NO.:	NNM11A39C
OPERATIONS & MAINTENANCE GROUP:	DATE:	APPROVED:	DENNIS L. NORRIS
CONCURRENCE:	DATE:	APPROVED:	
ENVIRONMENTAL HEALTH:	DATE:	PROJECT MANAGER:	ERIC A. BOOHER
CONCURRENCE:	DATE:	DATE:	01-09-14
SAFETY OFFICE:	DATE:	DESIGNED:	L. DANIELL
CONCURRENCE:	DATE:	APPROVAL RECOMMENDED:	DAVID A. SELLERS
COMMUNICATIONS OFFICE:	DATE:	DESIGNED:	L. DANIELL
CONCURRENCE:	DATE:	APPROVAL RECOMMENDED:	DAVID A. SELLERS
TELECOMMUNICATIONS EQUIPMENT AFFECTED BY THIS CONTRACT WORK IS NOT TO BE ALTERED OR REMOVED BY THE CONTRACTOR. CONTACT THE OFFICE IN THE EVENT OF A CONFLICT.		CHECKED:	R. BARTON
REF. NO.	AA5	A/E PROGRAM MGR.:	DATE:
	OF 8	DATE:	01-09-14
		SCALE:	AS NOTED
		SPEC. NO.:	TSRC 103



FIFTH FLOOR ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION  
SCALE: 1/16" = 1'-0"



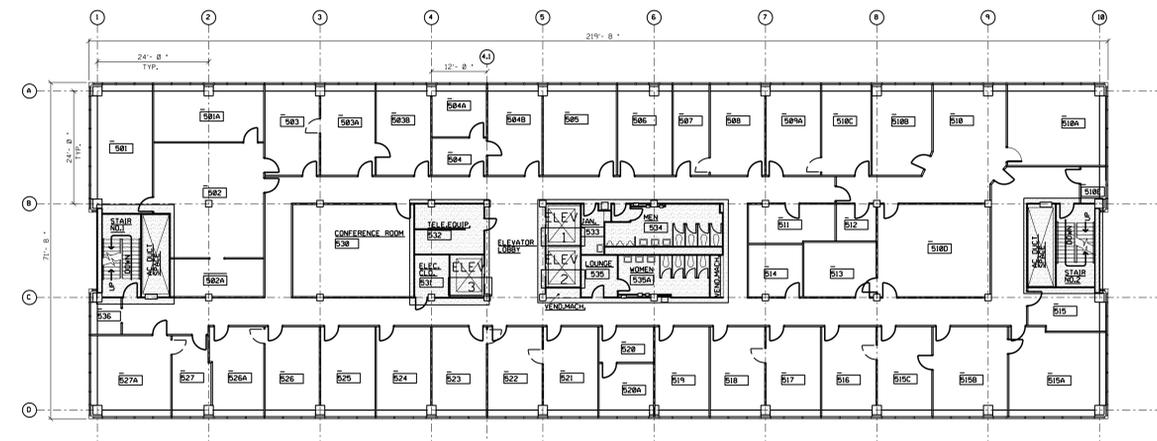
FIFTH FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS  
SCALE: 1/16" = 1'-0"



FIFTH FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC  
SCALE: 1/16" = 1'-0"

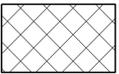
ABATEMENT NOTES

(REFER TO THE 'ABATEMENT NOTES' ON SHEET AA1.)



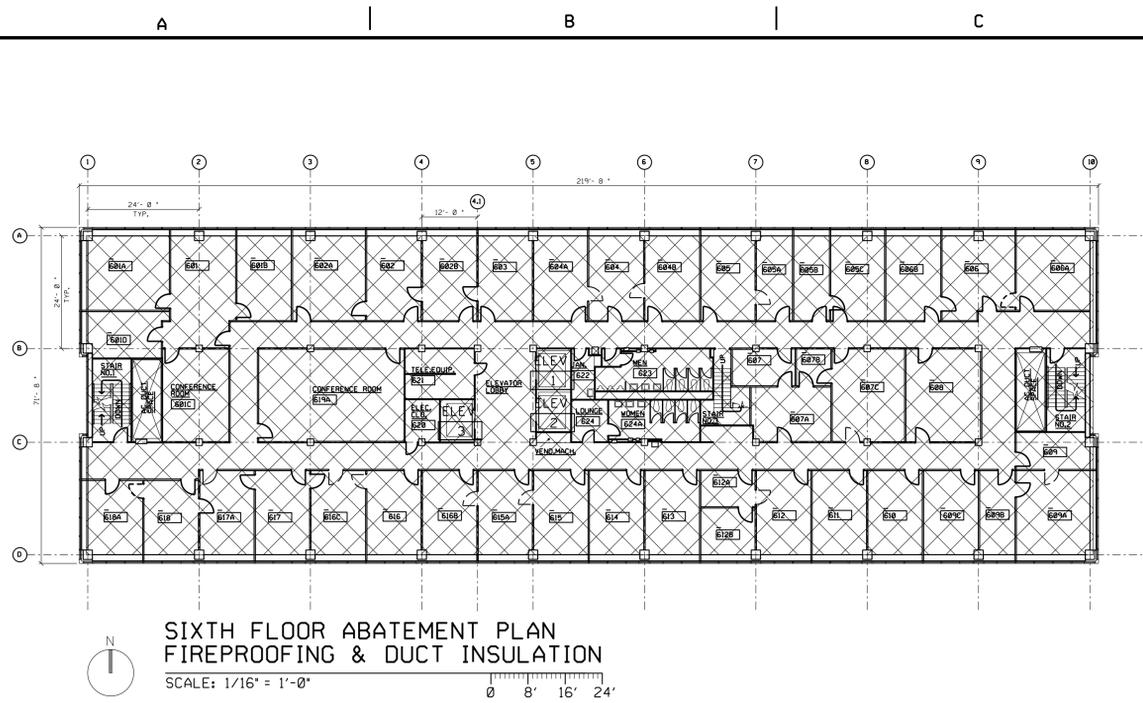
FIFTH FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS  
SCALE: 1/16" = 1'-0"

ASBESTOS ABATEMENT LEGEND

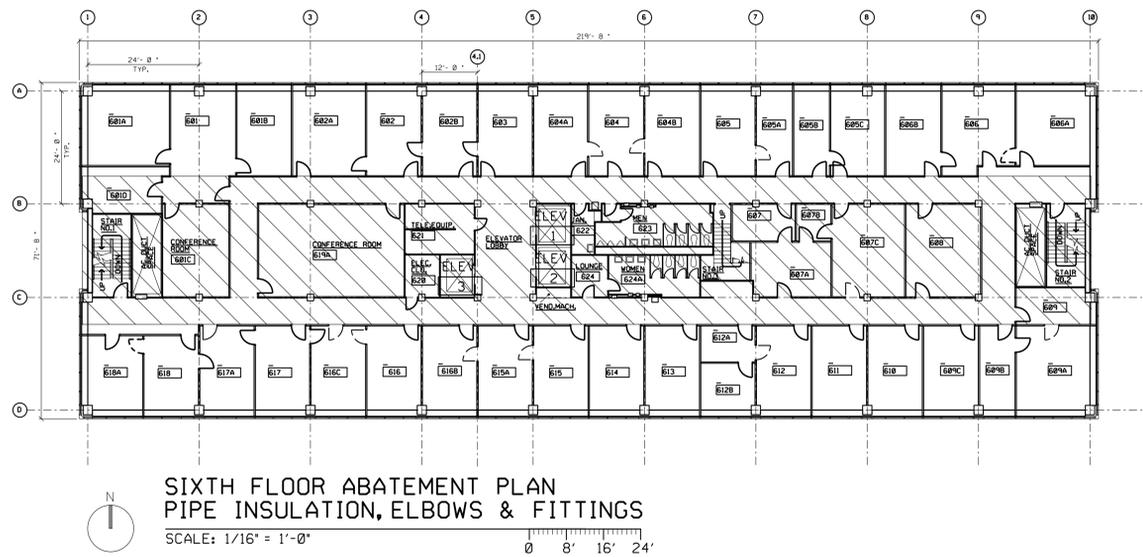
-  - TAN SPRAY-ON FIREPROOFING ON STRUCTURAL STEEL, DECKING AND OVERSPRAY AND INSULATION ON HVAC DUCTWORK
-  - PIPE INSULATION AND RELATED ELBOWS AND JOINTS
-  - 9"x9" FLOOR TILE AND MASTIC
-  - PLASTER IN WALLS AND CEILINGS

<b>WARNING</b>		<b>CADD DRAWING</b>	
<b>DO NOT SCALE THIS DRAWING</b>		CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.	
THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"		LATEST CADD UPDATE: 03-27-14	
		BY: B. THOMPSON 03:00 PM	
CONCURRENCE:	DATE:		
USING OFFICE:	DATE:		
CONCURRENCE:	DATE:		
CONCURRENCE:	DATE:		
PLANNING OFFICE:	DATE:		
CONCURRENCE:	DATE:		
ENVIRONMENTAL ENGINEERING OFFICE:	DATE:		
CONCURRENCE:	DATE:		
UCS MANAGER:	DATE:		
CONCURRENCE:	DATE:		
OPERATIONS & MAINTENANCE GROUP:	DATE:		
CONCURRENCE:	DATE:		
TODD SPRINGER:	DATE:		
ENVIRONMENTAL HEALTH:	DATE:		
CONCURRENCE:	DATE:		
SAFETY OFFICE:	DATE:		
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ROGER BROWN:	DATE:		
COMMUNICATIONS OFFICE:	DATE:		
CONCURRENCE:	DATE:		
REF. NO. AA6 OF 8			

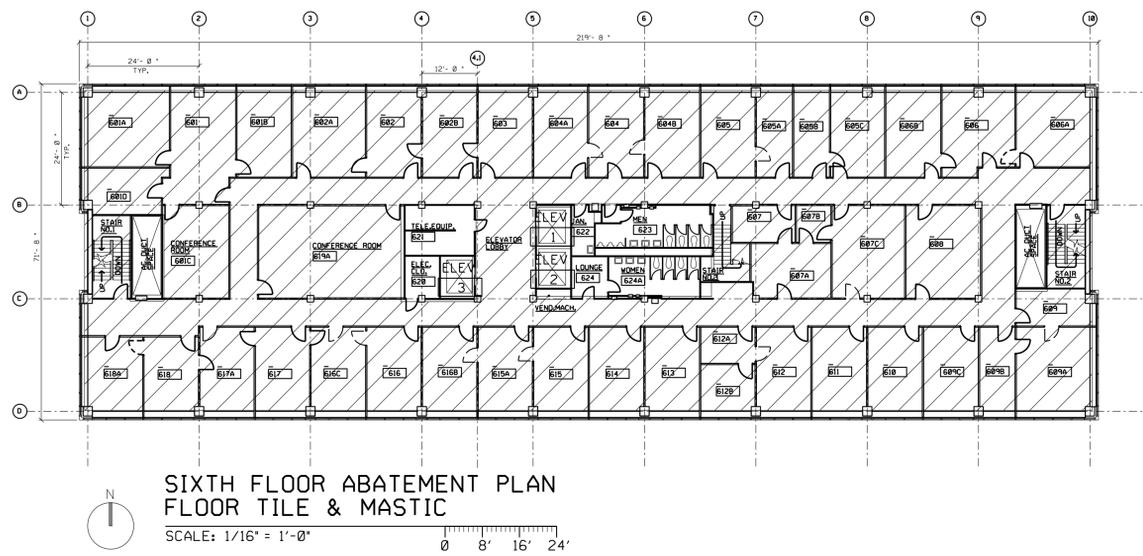
LMD	03-24-14	MODS FOR FWR 2651046B							
REV.	BY	DATE	REVISION	CA. NO.	APPROVED				
<b>Marshall Space Flight Center</b> Huntsville, Alabama 35812									
WORK REQUEST NO. 2651046 <b>BUILDING 4202</b> <b>DEMOLISH BUILDING 4202</b> FIFTH FLOOR ASBESTOS ABATEMENT PLAN & NOTES									
AE FIRM: KAYA Associates, Inc.					NASA AE CONTRACT NO. NNM11A39C				
SUBMITTED: DAVID A. SELLERS		APPROVAL RECOMMENDED: ERIC A. BOOHER		APPROVED: DENNIS L. NORRIS					
A/E: DATE: 12-05-13		PROJECT MANAGER: DATE: 01-09-14		TEAM LEAD: DATE: 01-10-14					
DESIGNED: L. DANIELL		APPROVAL RECOMMENDED: DAVID A. SELLERS		DRAWING NO. FAC-CR-4202-AA6					
CHECKED: B. BARTON		A/E PROGRAM MGR. DATE: 01-09-14		SCALE: AS NOTED		SPEC. NO. (TSRC 10)		SHEET 10 OF 28	



SIXTH FLOOR ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION  
SCALE: 1/16" = 1'-0"



SIXTH FLOOR ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS  
SCALE: 1/16" = 1'-0"

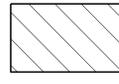


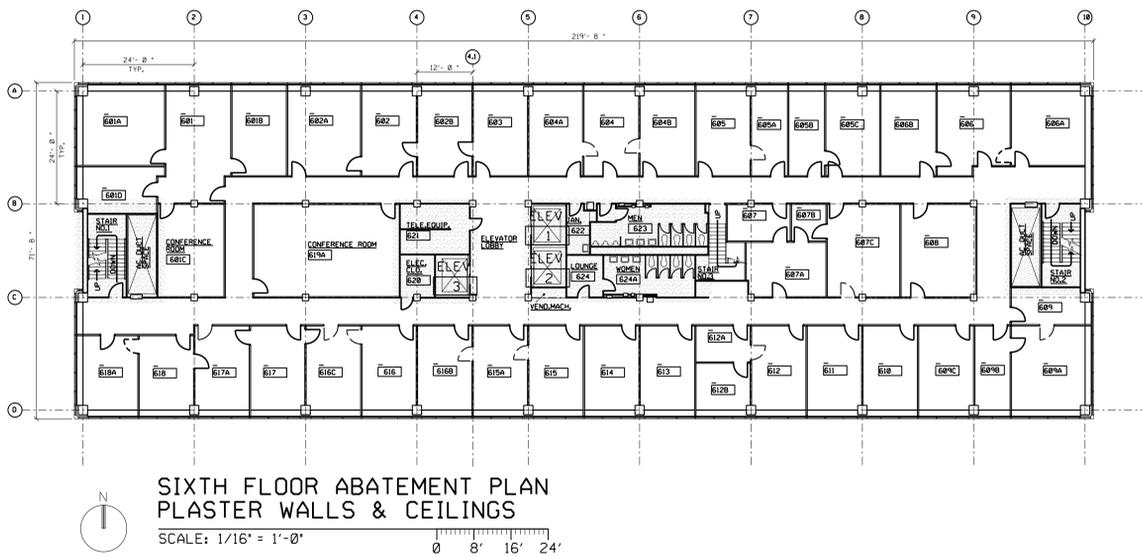
SIXTH FLOOR ABATEMENT PLAN  
FLOOR TILE & MASTIC  
SCALE: 1/16" = 1'-0"

ABATEMENT NOTES

(REFER TO THE 'ABATEMENT NOTES' ON SHEET AA1.)

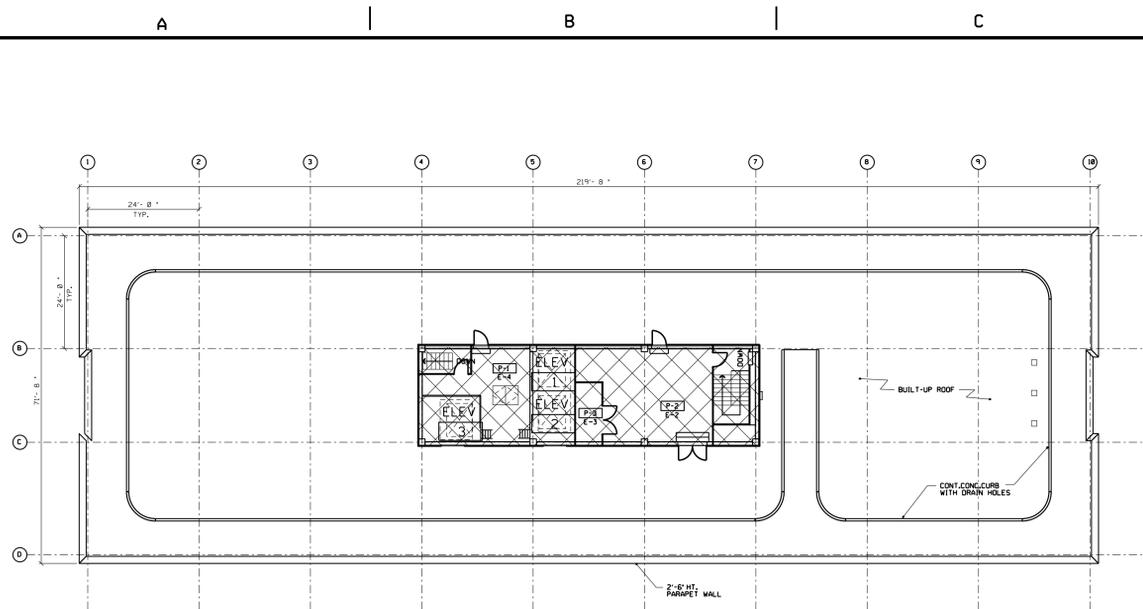
ASBESTOS ABATEMENT LEGEND

-  - TAN SPRAY-ON FIREPROOFING ON STRUCTURAL STEEL, DECKING AND OVERSPRAY AND INSULATION ON HVAC DUCTWORK
-  - PIPE INSULATION AND RELATED ELBOWS AND JOINTS
-  - 9"x9" FLOOR TILE AND MASTIC
-  - PLASTER IN WALLS AND CEILINGS

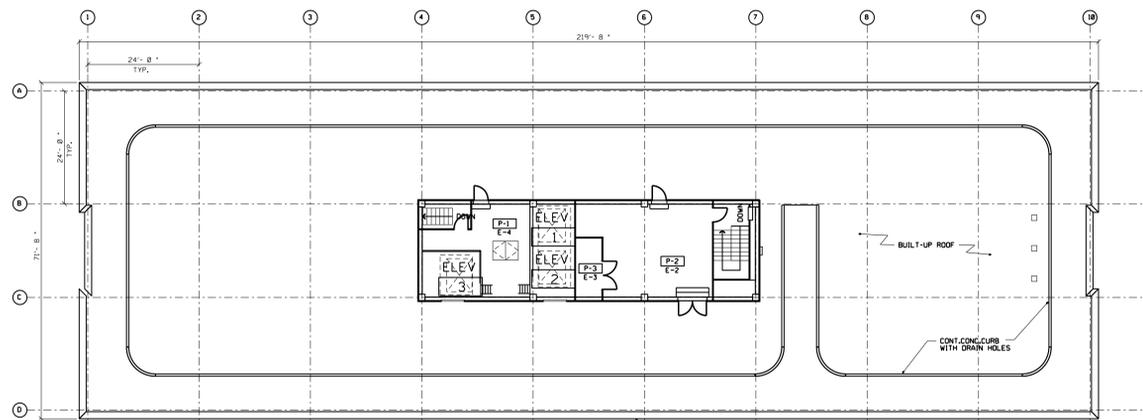


SIXTH FLOOR ABATEMENT PLAN  
PLASTER WALLS & CEILINGS  
SCALE: 1/16" = 1'-0"

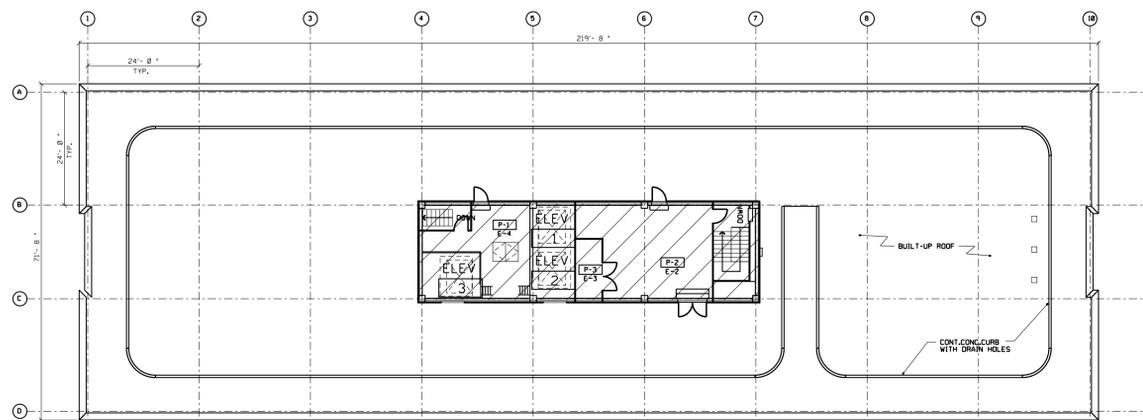
<p><b>WARNING</b></p> <p><b>DO NOT SCALE THIS DRAWING</b></p> <p>THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p><b>CADD DRAWING</b></p> <p>CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p>LATEST CADD UPDATE: 03-27-14</p> <p>BY: B. THOMPSON</p>	
<p>CONCURRENCE: DATE:</p> <p>USING OFFICE CONCURRENCE: DATE:</p> <p>CONCURRENCE: DATE:</p> <p>PLANNING OFFICE CONCURRENCE: DATE: 12-24-13</p> <p>ENVIRONMENTAL ENGINEERING OFFICE CONCURRENCE: DATE:</p> <p>UCS MANAGER CONCURRENCE: DATE: 01-09-14</p> <p>OPERATIONS &amp; MAINTENANCE GROUP CONCURRENCE: DATE: 01-07-14</p> <p>TODD SPRINGER ENVIRONMENTAL HEALTH CONCURRENCE: DATE: 12-23-13</p> <p>SAFETY OFFICE CONCURRENCE: DATE: 01-07-14</p> <p>COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13</p> <p>DESIGNED: L. DANIELL</p> <p>DRAWN: L. DANIELL</p> <p>CHECKED: B. BARTON</p> <p>REF. NO. AA7</p>		<p>REVISION</p> <p>REVISION: LMD 03-24-14 MODS FOR FWR 2651046B</p> <p>REVISION: EAB 03-27-14 DAS 03-27-14 DLN 03-27-14</p> <p>CA. NO. APPROVED</p> <p><b>Marshall Space Flight Center</b> Huntsville, Alabama 35812</p> <p>WORK REQUEST NO. 2651046</p> <p><b>BUILDING 4202</b></p> <p><b>DEMOLISH BUILDING 4202</b></p> <p>SIXTH FLOOR ASBESTOS ABATEMENT PLAN &amp; NOTES</p> <p>AE FIRM: KAYA Associates, Inc. NASA AE CONTRACT NO. NNM11A39C</p> <p>APPROVAL RECOMMENDED: ERIC A. BOOHER DATE: 01-09-14</p> <p>APPROVED: DENNIS L. NORRIS DATE: 01-10-14</p> <p>TEAM LEAD DATE: 01-10-14</p> <p>DRAWING NO. FAC-CR-4202-AA7</p> <p>SHEET 11 OF 28</p>	



**PENTHOUSE/LOW ROOF ABATEMENT PLAN  
FIREPROOFING & DUCT INSULATION**  
SCALE: 1/16" = 1'-0"



**PENTHOUSE/LOW ROOF ABATEMENT PLAN  
PIPE INSULATION, ELBOWS & FITTINGS**  
SCALE: 1/16" = 1'-0"



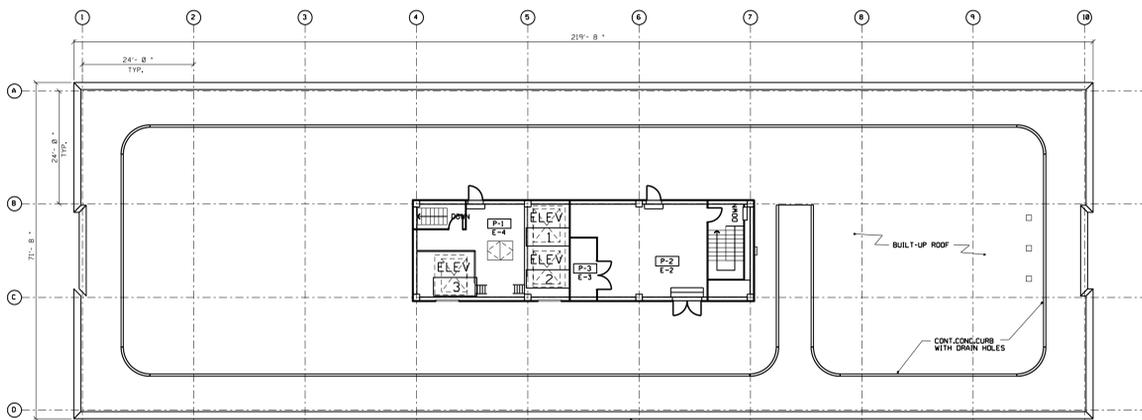
**PENTHOUSE/LOW ROOF ABATEMENT PLAN  
FLOOR TILE & MASTIC**  
SCALE: 1/16" = 1'-0"

**ABATEMENT NOTES**

(REFER TO THE 'ABATEMENT NOTES' ON SHEET A.A1.)

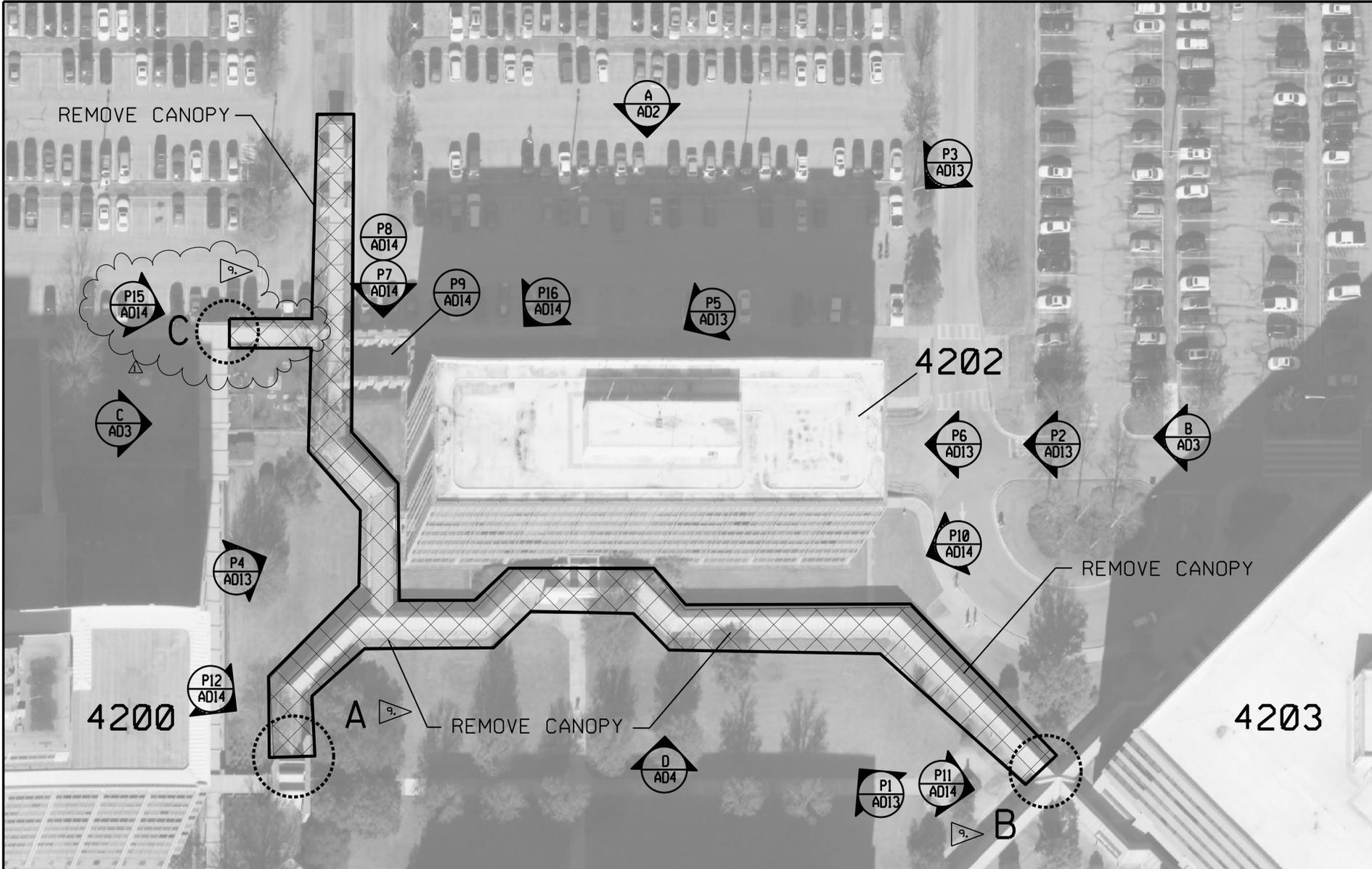
**ASBESTOS ABATEMENT LEGEND**

- TAN SPRAY-ON FIREPROOFING ON STRUCTURAL STEEL, DECKING AND OVERSPRAY AND INSULATION ON HVAC DUCTWORK
- PIPE INSULATION AND RELATED ELBOWS AND JOINTS
- 9"x9" FLOOR TILE AND MASTIC
- PLASTER IN WALLS AND CEILINGS



**PENTHOUSE/LOW ROOF ABATEMENT PLAN  
PLASTER WALLS & CEILINGS**  
SCALE: 1/16" = 1'-0"

<b>WARNING</b>		<b>CADD DRAWING</b>	
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THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"		LATEST CADD UPDATE: 03-27-14	
LMD		BY: B. THOMPSON	
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USING OFFICE CONCURRENCE: DATE:		CONCURRENCE: DATE:	
CONCURRENCE: DATE:		CONCURRENCE: DATE:	
PLANNING OFFICE CONCURRENCE: DATE: 12-24-13		REVISION: LMD 03-24-14 MODS FOR FWR 2651046B	
ENVIRONMENTAL ENGINEERING OFFICE CONCURRENCE: DATE:		REVISION: ESB 03-27-14 DAS 03-27-14 DLR 03-27-14	
UCS MANAGER CONCURRENCE: DATE: 01-09-14		WORK REQUEST NO. 2651046	
RANDALL B. FELDER OPERATIONS & MAINTENANCE GROUP CONCURRENCE: DATE: 01-07-14		<b>BUILDING 4202</b>	
TODD SPRINGER ENVIRONMENTAL HEALTH CONCURRENCE: DATE: 12-23-13		<b>DEMOLISH BUILDING 4202</b>	
SAFETY OFFICE CONCURRENCE: DATE: 01-07-14		<b>PENTHOUSE ASBESTOS ABATEMENT PLAN &amp; NOTES</b>	
ROGER BROWN COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13		AE FIRM: KAYA Associates, Inc. NASA AE CONTRACT NO: NNM11A39C	
DESIGNED: L. DANIELL		APPROVAL RECOMMENDED: ERIC A. BOOHER	
DRAWN: L. DANIELL		APPROVED: DENNIS L. NORRIS	
CHECKED: R. BARTON		PROJECT MANAGER DATE: 01-09-14	
A/E PROGRAM MGR. DATE: 01-09-14		TEAM LEAD DATE: 01-10-14	
SCALE: AS NOTED		DRAWING NO. FAC-CR-4202-AA8	
SPEC. NO. (TSRC 10)		SHEET 12 OF 28	



NOTES

- GENERAL SUMMARY OF THE WORK: WORK INVOLVES THE DEMOLITION OF BUILDING 4202 AND RELATED STRUCTURES AS INDICATED. THE WORK INCLUDES, BUT NOT NECESSARILY LIMITED TO, ASBESTOS ABATEMENT, DEMOLITION OF ABOVE GROUND STRUCTURES, REMOVAL OF THE BASEMENT AND FOUNDATIONS TO A MINIMUM DEPTH OF 4'-0" BELOW THE CURRENT GRADE ELEVATION ON THE SOUTH SIDE OF BUILDING 4202, REMOVAL AND DISCONNECTION OF MECHANICAL AND ELECTRICAL SYSTEMS, PARTIAL REMOVAL OF EXTERIOR CANOPIES, AND REMOVAL OF MISCELLANEOUS EXTERIOR STRUCTURES.
- VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO BIDDING AND DEMOLITION. WORK DISCREPANCIES THROUGH THE COTR.
- PROVIDE CONSTRUCTION BARRIERS AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY INTO WORK AREA.
- TAKE PRECAUTIONS DURING DEMOLITION TO PREVENT DUST, DEBRIS AND CONTAMINANTS FROM ESCAPING INTO THE ENVIRONMENT.
- PHOTOGRAPHS PROVIDED IN THE DEMOLITION DRAWINGS ARE REPRESENTATIVE AND FOR INFORMATIONAL PURPOSES. THEY DO NOT SHOW ALL CONDITIONS. CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING TO CONFIRM CONDITIONS IMPORTANT FOR AN ACCURATE BID. INCLUDED WITH THE BID DOCUMENTS ARE OTHER DOCUMENTS AS "INFORMATION TO BIDDERS", AMONG WHICH INCLUDES SOME ORIGINAL DRAWINGS FOR THE BUILDING 4202 PROVIDED NOT AS PART OF THE CONTRACT BUT ADDITIONAL INFORMATION TO ASSIST BIDDERS.
- ALL METAL SHALL BE RECYCLED AT AN APPROVED RECYCLING CENTER. ALL MATERIALS INDICATED TO BE DEMOLISHED, UNLESS NOTED OTHERWISE, AS PART OF THIS WORK BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- ALL FREON IN ALL EXISTING H.V.A.C. UNITS (ALL UNITS BEING REMOVED) SHALL BE REMOVED, COLLECTED AND PROPERLY DISPOSED OF PRIOR TO REMOVING THE UNITS.
- DURING THE TIME OF DEMOLITION, THE CONTRACTOR SHALL KEEP RECORDS OF ALL RECYCLED BY WEIGHT AND TYPE. RECYCLED MATERIALS SHALL BE SEGREGATED WITH LIKE MATERIALS AND SHALL BE TRANSPORTED IN SEPARATE LOADS. AT THE END OF THE PROJECT PROVIDE A LIST, BY WEIGHT AND TYPE, OF ALL RECYCLED MATERIALS.
- ALL SELF-ILLUMINATING TYPE EXIT SIGNS WILL BE REMOVED BY OTHERS PRIOR TO START OF THE DEMOLITION PROJECT. HOWEVER, IF THE CONTRACTOR DISCOVERS EXIT SIGNS THAT HAVE NOT BEEN REMOVED, THE CONTRACTOR SHALL CONTACT COTR TO COORDINATE REMOVAL OF SIGNS BY OTHERS.
- THERE ARE THREE LOCATIONS WHERE THE EXISTING CANOPIES THAT ARE TO BE REMOVED ARE TO BE SEPARATED FROM THE CANOPIES TO REMAIN. ON THE AERIAL PHOTOGRAPH ON THIS SHEET THEY ARE LABELED 'A', 'B' AND 'C'. AT LOCATIONS 'A' AND 'B' THE CANOPY TO BE REMOVED OVERLAP THE CANOPY TO REMAIN AND ARE NOT CONNECTED. AT LOCATION 'C' SOME SUPPORTS ARE COMMON TO BOTH THE CANOPY TO BE REMOVED AND THE CANOPY TO REMAIN. AT LOCATION 'C' CUT THE UNNECESSARY TOP OF COLUMNS WHERE THE HIGHER CANOPY IS REMOVED AND THE LOWER CANOPY REMAINS. SEE PHOTOGRAPH P15/AD14.
- THERE ARE ITEMS FOR BUILDING 4202 THAT WILL BE REMOVED FROM THE BUILDING AND SALVAGED BY THE GOVERNMENT. ITEMS THAT WILL LIKELY BE REMOVED INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, THE FOLLOWING: EXIT SIGNS, ELEVATOR PARTS, COMMUNICATIONS EQUIPMENT, AND SATELLITE CLOCK SYSTEM.

BUILDING 4202 AERIAL PHOTOGRAPH

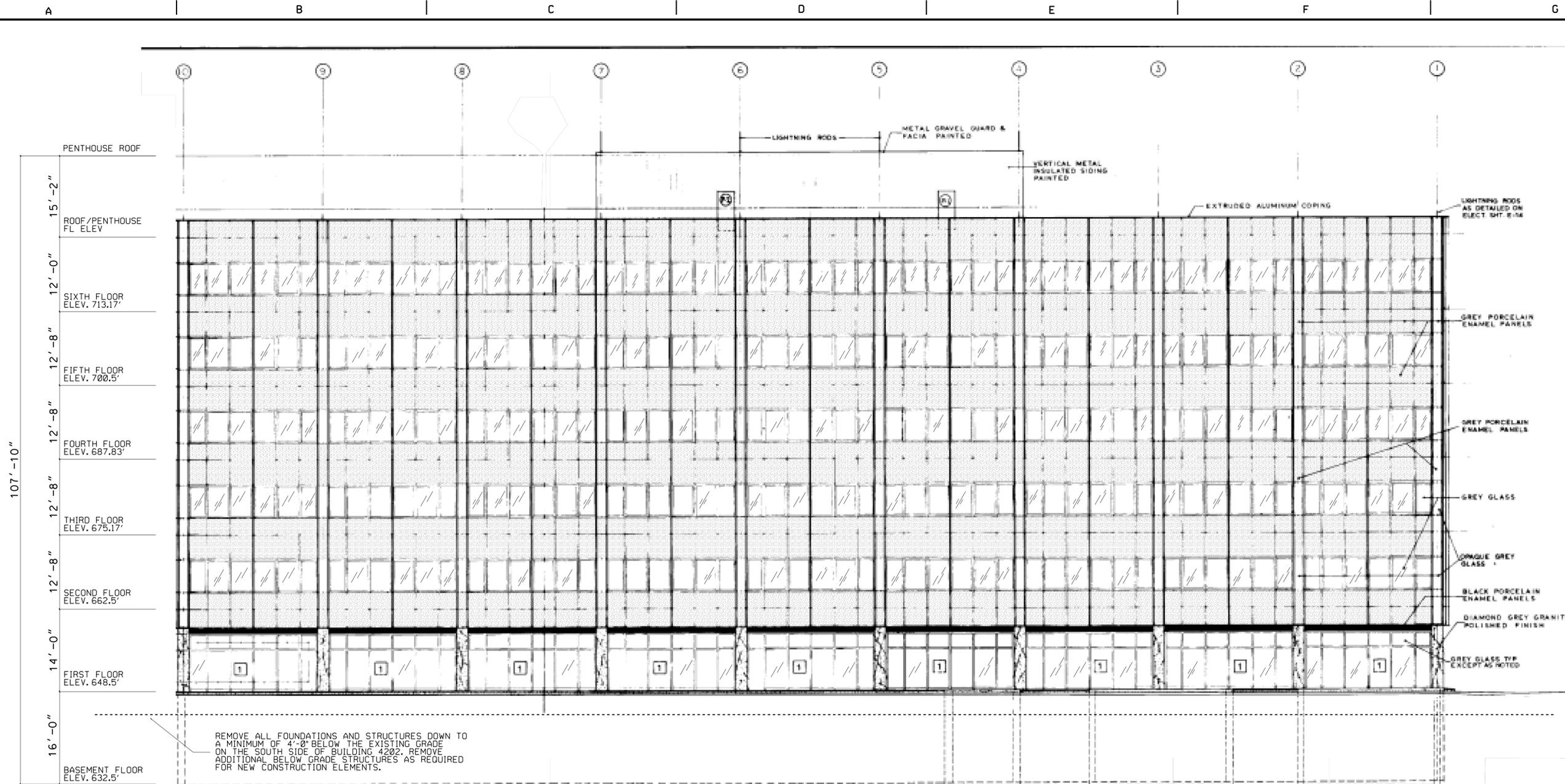
**LIGHT BALLASTS**

DUE TO THE AGE OF MANY OF THE FLUORESCENT FIXTURES IN THE BUILDING, ALL BALLASTS SHALL BE ASSUMED TO CONTAIN PCB'S AND TREATED ACCORDINGLY. BEFORE REMOVING THE LIGHT FIXTURES AND BALLASTS, THE CONTRACTOR SHALL CALL THE MSFC HAZARDOUS WASTE DEPARTMENT AT 544-4787 OR 544-5988. THE HAZARDOUS WASTE DEPARTMENT WILL FURNISH AND DELIVER A LARGE DRUM FOR THE DISPOSAL OF ALL BALLASTS FROM THE BUILDING. THE CONTRACTOR SHALL REMOVE THE LIGHT FIXTURES, REMOVE THE BALLASTS FROM THE FIXTURES, AND PLACE THE BALLASTS IN THE DRUM. UPON COMPLETION OF THE WORK, OR FILL OF THE DRUM, CONTACT THE HAZARDOUS WASTE DEPARTMENT AND THEY WILL DISPOSE OF THE DRUM AND PROVIDE ADDITIONAL DRUMS IF NECESSARY.

**DISCONNECTION OF UTILITIES PRIOR TO PERFORMING ANY WORK**

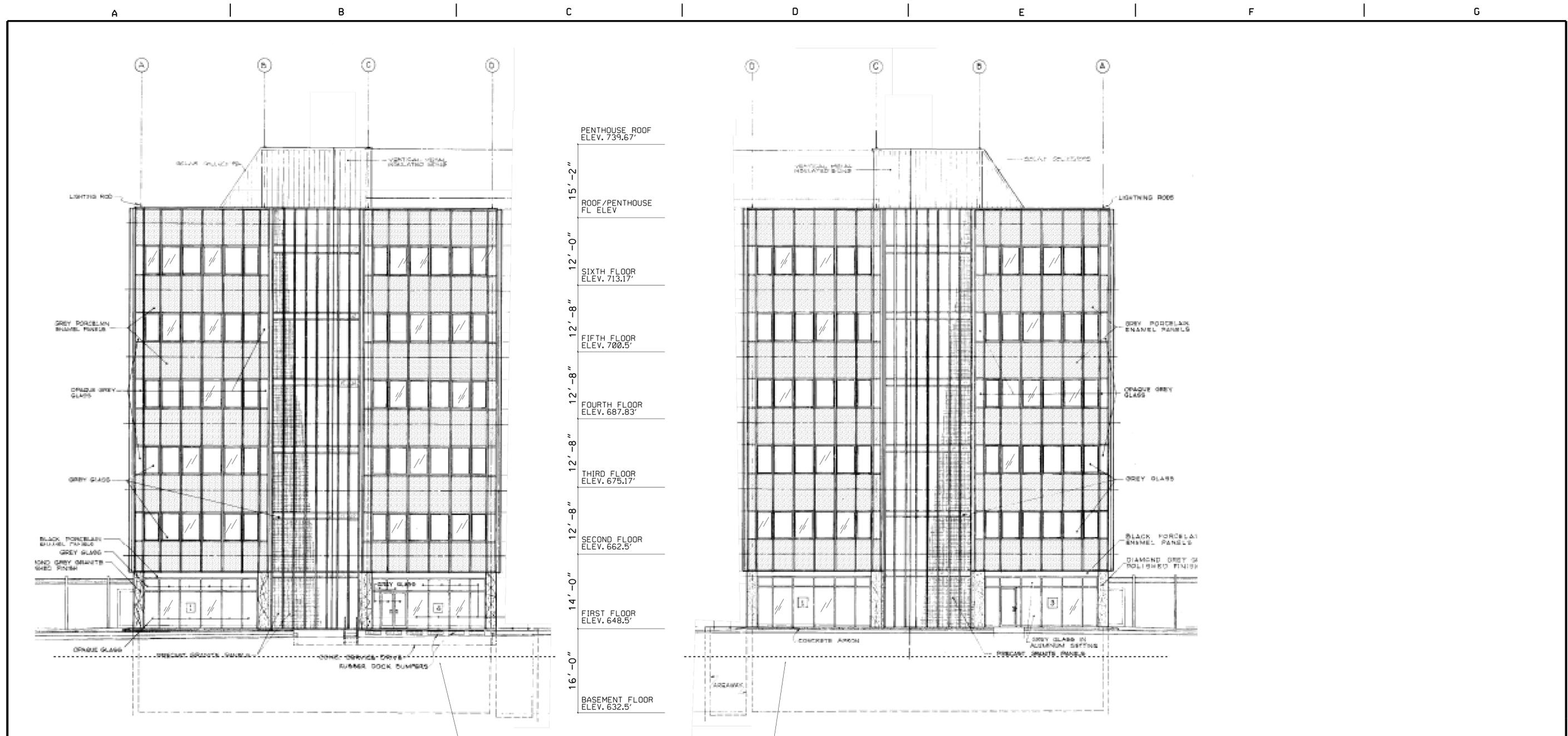
THE TERMINATION OF ALL UTILITIES AND THE DISCONNECTION OF ALL UTILITY LINES FOR THIS PROJECT WILL BE PERFORMED BY THE GOVERNMENT. THE REMOVAL OF ALL DISCONNECTED UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE TO INDEPENDENTLY CONFIRM UTILITIES HAVE BEEN TERMINATED AND DISCONNECTED AT THE SITE AND SHALL REQUEST WRITTEN APPROVAL FROM THE GOVERNMENT PRIOR TO THE START OF ANY WORK.

<b>WARNING</b>		<b>CADD DRAWING</b>	
<b>DO NOT SCALE THIS DRAWING</b>		CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.	
THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"		LATEST CADD UPDATE: 03-27-14	
CONCURRENCE: DATE:		BY: B. THOMPSON 03:00 PM	
USING OFFICE CONCURRENCE: DATE:	CONCURRENCE: DATE:	REV. BY DATE	REVISION
CONCURRENCE: DATE:	CONCURRENCE: DATE:	CA. NO.	APPROVED
PLANNING OFFICE CONCURRENCE: DATE: 12-24-13		<b>Marshall Space Flight Center</b> Huntsville, Alabama 35812	
ENVIRONMENTAL ENGINEERING OFFICE CONCURRENCE: DATE:		WORK REQUEST NO. 2651046	
UCS MANAGER CONCURRENCE: DATE: 01-09-14		<b>BUILDING 4202</b>	
OPERATIONS & MAINTENANCE GROUP CONCURRENCE: DATE: 01-07-14		<b>DEMOLISH BUILDING 4202</b>	
ENVIRONMENTAL HEALTH CONCURRENCE: DATE: 12-23-13		<b>AERIAL SITE PLAN &amp; NOTES</b>	
SAFETY OFFICE CONCURRENCE: DATE: 01-07-14		AE FIRM: <b>KAYA Associates, Inc.</b> NASA AE CONTRACT NO: <b>NNM11A39C</b>	
COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13		APPROVED: <b>DENNIS L. NORRIS</b>	
DESIGNED: L. DANIELL		PROJECT MANAGER: <b>ERIC A. BOOHER</b> DATE: 01-09-14	
DRAWN: L. DANIELL		APPROVAL RECOMMENDED: <b>DAVID A. SELLERS</b>	
CHECKED: R. BARTON		DATE: 01-09-14	
REF. NO. <b>AD1</b> OF 14		DRAWING NO. <b>FAC-CR-4202-AD1</b>	
SCALE: AS NOTED		SHEET 13 OF 28	



**A**  
AD2  
**NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"  
0 4' 8' 12'

<p align="center"><b>WARNING</b></p> <p align="center"><b>DO NOT SCALE THIS DRAWING</b></p> <p align="center">THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p align="center"><b>CADD DRAWING</b></p> <p align="center">CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p align="center">LATEST CADD UPDATE: 03-27-14</p> <p align="center">BY: B. THOMPSON 03:00 PM</p>					
CONCURRENCE:	DATE:	REV.	BY	DATE	REVISION	CA. NO.	APPROVED
USING OFFICE:	DATE:	Δ	LMD	03-24-14	MODS FOR FWR 2651046B		
CONCURRENCE:	DATE:						
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PLANNING OFFICE:	DATE:	<p align="center"><b>Marshall Space Flight Center</b> Huntsville, Alabama 35812</p>					
CONCURRENCE:	DATE:	<p align="center">WORK REQUEST NO. 2651046</p>					
CONCURRENCE:	DATE:	<p align="center"><b>BUILDING 4202</b></p>					
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CONCURRENCE:	DATE:	<p>AE FIRM: <b>KAYA Associates, Inc.</b></p>				<p>NASA AE CONTRACT NO. <b>NNM11AA39C</b></p>	
CONCURRENCE:	DATE:	<p>APPROVAL RECOMMENDED:</p>		<p>APPROVED:</p>		<p>DATE:</p>	
CONCURRENCE:	DATE:	<p>PROJECT MANAGER</p>		<p>TEAM LEAD</p>		<p>DATE:</p>	
CONCURRENCE:	DATE:	<p>DESIGNED:</p>		<p>APPROVAL RECOMMENDED:</p>		<p>DRAWING NO.</p>	
CONCURRENCE:	DATE:	<p>CHECKED:</p>		<p>APPROVED:</p>		<p>FAC-CR-4202-AD2</p>	
CONCURRENCE:	DATE:	<p>SCALE:</p>		<p>SPEC. NO.:</p>		<p>SHEET 14 OF 28</p>	



PENTHOUSE ROOF  
ELEV. 739.67'

15'-2"

ROOF/PENTHOUSE  
FL. ELEV.

12'-0"

SIXTH FLOOR  
ELEV. 713.17'

12'-8"

FIFTH FLOOR  
ELEV. 700.5'

12'-8"

FOURTH FLOOR  
ELEV. 687.83'

12'-8"

THIRD FLOOR  
ELEV. 675.17'

12'-8"

SECOND FLOOR  
ELEV. 662.5'

14'-0"

FIRST FLOOR  
ELEV. 648.5'

16'-0"

BASEMENT FLOOR  
ELEV. 632.5'

**B**  
AD3 EAST ELEVATION  
SCALE: 1/8" = 1'-0"  
0 4' 8' 12'

REMOVE ALL FOUNDATIONS AND STRUCTURES DOWN TO A MINIMUM OF 4'-0" BELOW THE EXISTING GRADE ON THE SOUTH SIDE OF BUILDING 4202. REMOVE ADDITIONAL BELOW GRADE STRUCTURES AS REQUIRED FOR NEW CONSTRUCTION ELEMENTS.

**C**  
AD3 WEST ELEVATION  
SCALE: 1/8" = 1'-0"  
0 4' 8' 12'

<b>WARNING</b>		<b>CADD DRAWING</b>	
<b>DO NOT SCALE THIS DRAWING</b>		CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.	
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		BY: B. THOMPSON 03:00 PM	
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OPERATIONS & MAINTENANCE GROUP:	DATE:		
CONCURRENCE:	DATE:		
ENVIRONMENTAL HEALTH:	DATE:		
CONCURRENCE:	DATE:		
SAFETY OFFICE:	DATE:		
CONCURRENCE:	DATE:		
COMMUNICATIONS OFFICE:	DATE:		
REF. NO.	AD3		

REV.	BY	DATE	REVISION	CA. NO.	APPROVED
Δ	LMD	03-24-14	MODS FOR FWR 2651046B		

Marshall Space Flight Center  
Huntsville, Alabama 35812

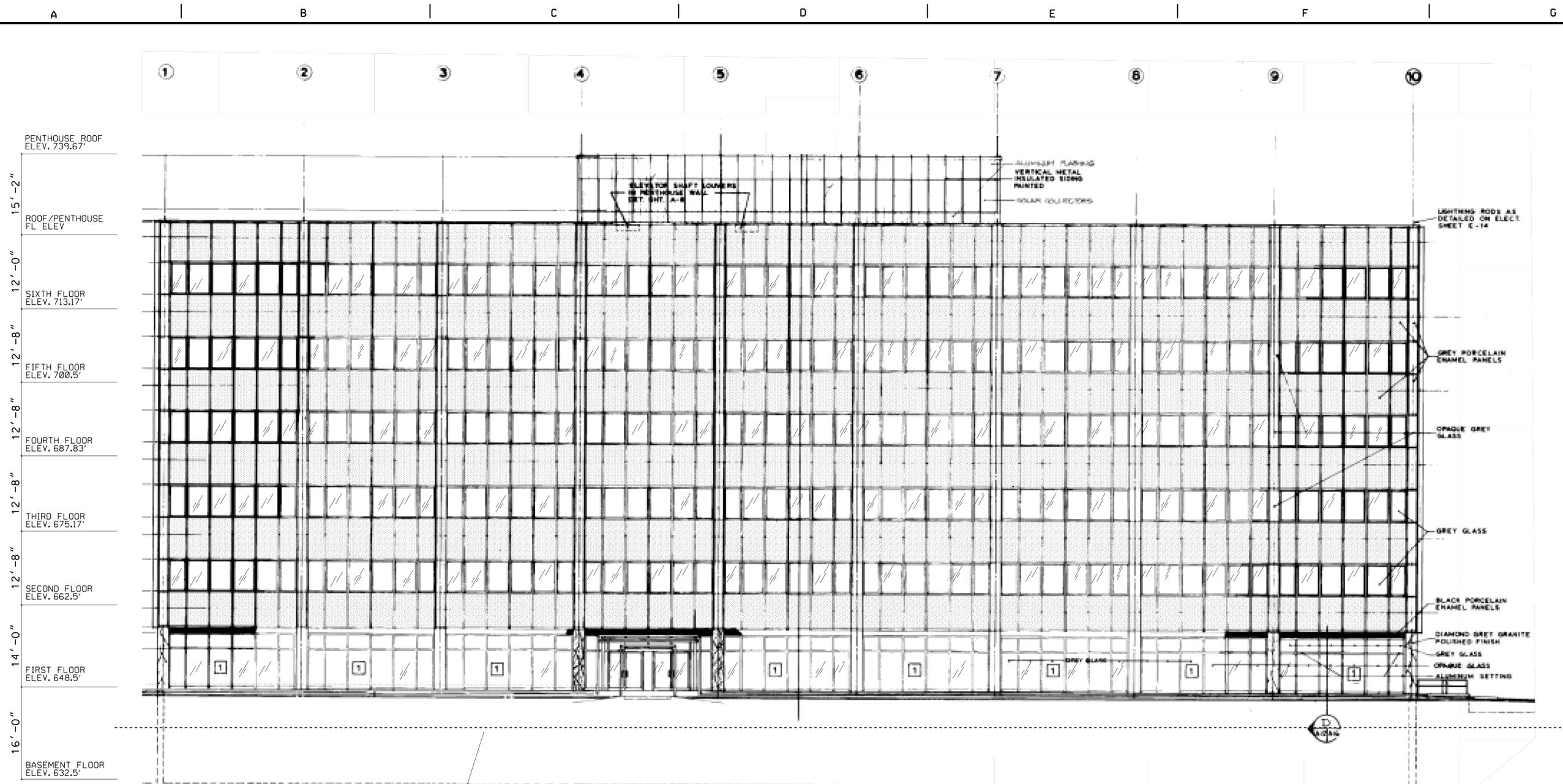
WORK REQUEST NO. 2651046

**BUILDING 4202**

**DEMOLISH BUILDING 4202**  
EAST AND WEST ELEVATIONS & NOTES

AE FIRM: KAYA Associates, Inc.	NASA AE CONTRACT NO. NNM11AA39C
APPROVAL RECOMMENDED: DAVID A. SELLERS	APPROVED: DENNIS L. NORRIS
PROJECT MANAGER: ERIC A. BOOHER	DATE: 01-09-14
DESIGNED: L. DANIELL	DATE: 12-05-13
DRAWN: L. DANIELL	DATE: 01-09-14
CHECKED: R. BARTON	DATE: 01-09-14
SCALE: AS NOTED	

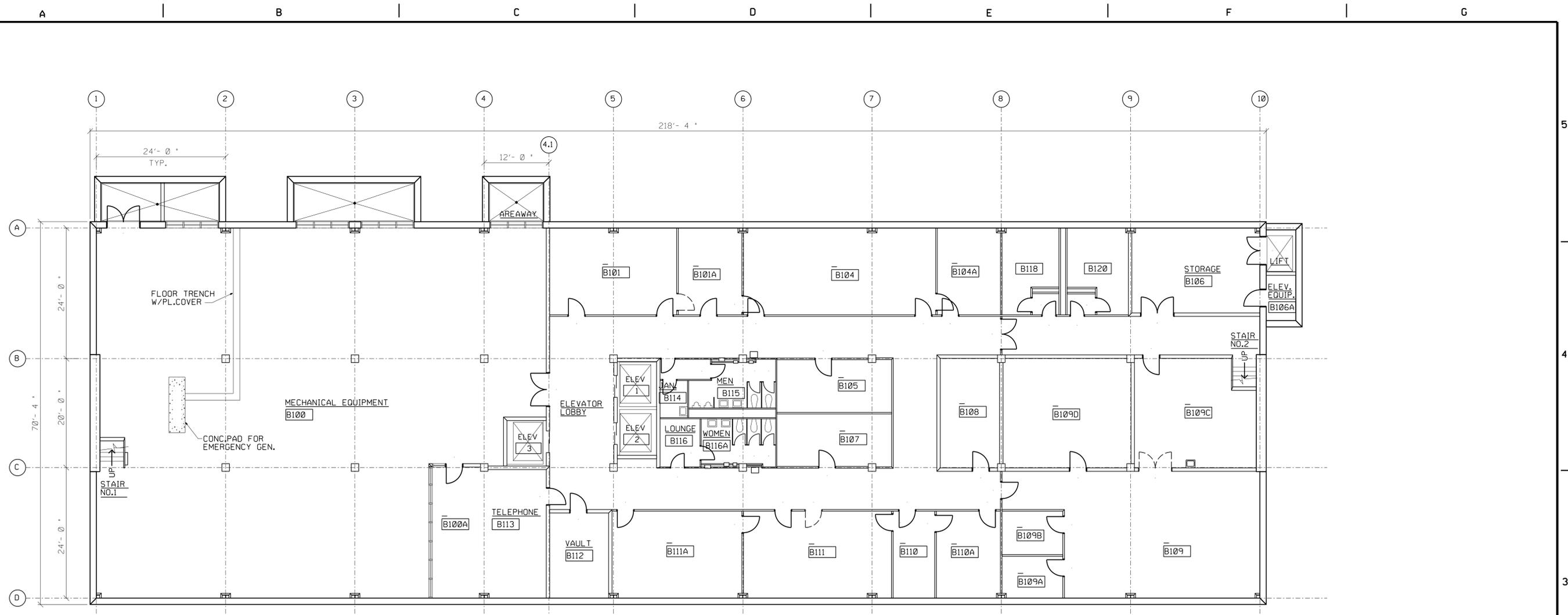
DRAWING NO. FAC-CR-4202-AD3  
SHEET 15 OF 28



REMOVE ALL FOUNDATIONS AND STRUCTURES DOWN TO A MINIMUM OF 4'-0" BELOW THE EXISTING GRADE ON THE SOUTH SIDE OF BUILDING 4202. REMOVE ADDITIONAL BELOW GRADE STRUCTURES AS REQUIRED FOR NEW CONSTRUCTION ELEMENTS.

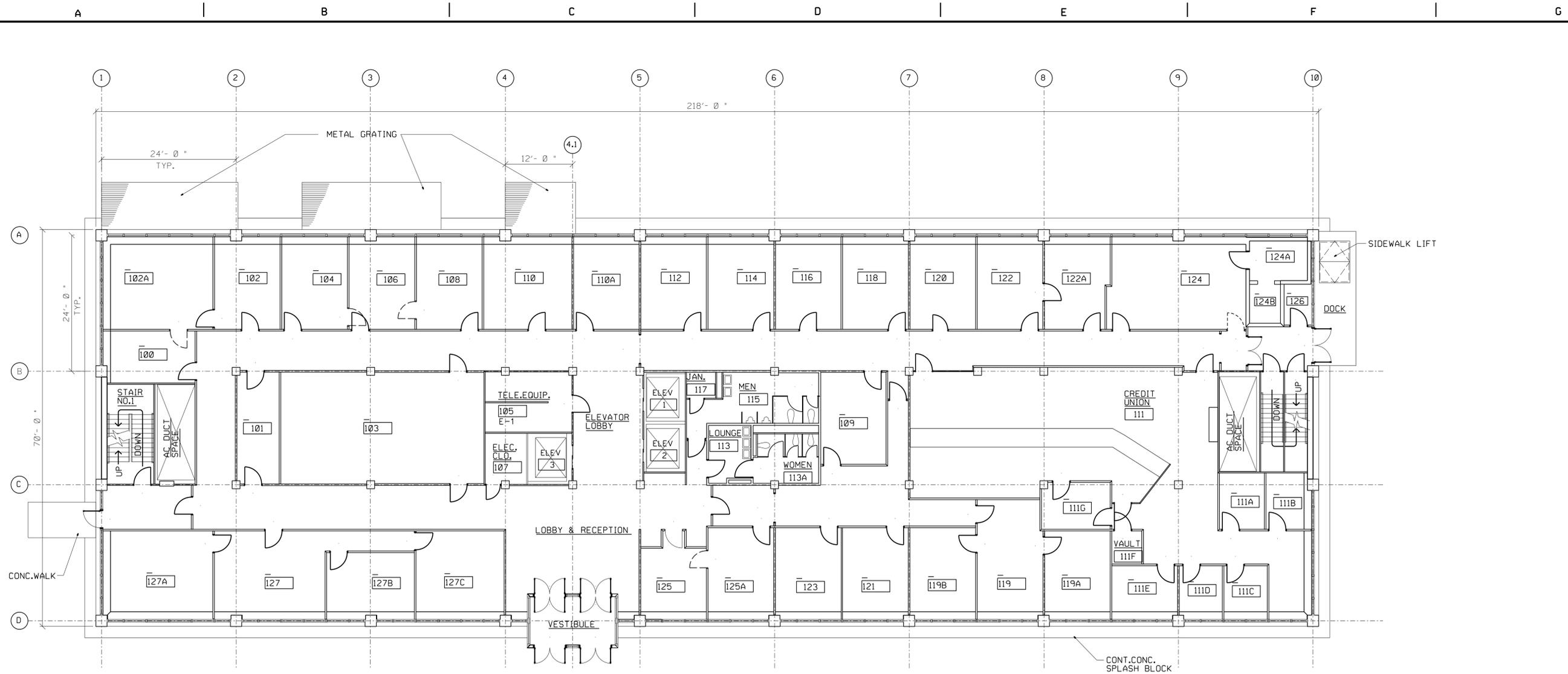
**D**  
AD4 SOUTH ELEVATION  
SCALE: 1/8" = 1'-0" 0 4' 8' 12'

<p align="center"><b>WARNING</b></p> <p align="center"><b>DO NOT SCALE THIS DRAWING</b></p> <p align="center">THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p align="center"><b>CADD DRAWING</b></p> <p align="center">CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p align="center">LATEST CADD UPDATE: 03-27-14</p> <p align="center">BY: B. THOMPSON</p>					
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PLANNING OFFICE:	DATE:	<p align="center"><b>Marshall Space Flight Center</b> Huntsville, Alabama 35812</p>					
CONCURRENCE:	DATE:	<p align="center">WORK REQUEST NO. 2651046</p>					
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CONCURRENCE:	DATE:	<p align="center"><b>DEMOLISH BUILDING 4202</b></p>					
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CONCURRENCE:	DATE:	<p>AE FIRM: <b>KAYA Associates, Inc.</b> NASA AE CONTRACT NO: <b>NNM11A39C</b></p>					
SAFETY OFFICE:	DATE:	<p>APPROVAL RECOMMENDED:</p> <p>DAVID A. SELLERS</p>		<p>APPROVED:</p> <p>ERIC A. BOOHER</p>		<p>APPROVED:</p> <p>DENNIS L. NORRIS</p>	
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CONCURRENCE:	DATE:	<p>CHECKED:</p> <p>R. BARTON</p>		<p>DATE:</p> <p>01-09-14</p>		<p>SHEET 16 OF 28</p>	
REF. NO.	SCALE:	<p>AD4 OF 14</p>		<p>AS NOTED</p>		<p>SCALE:</p> <p>AS NOTED</p>	



**BASEMENT FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

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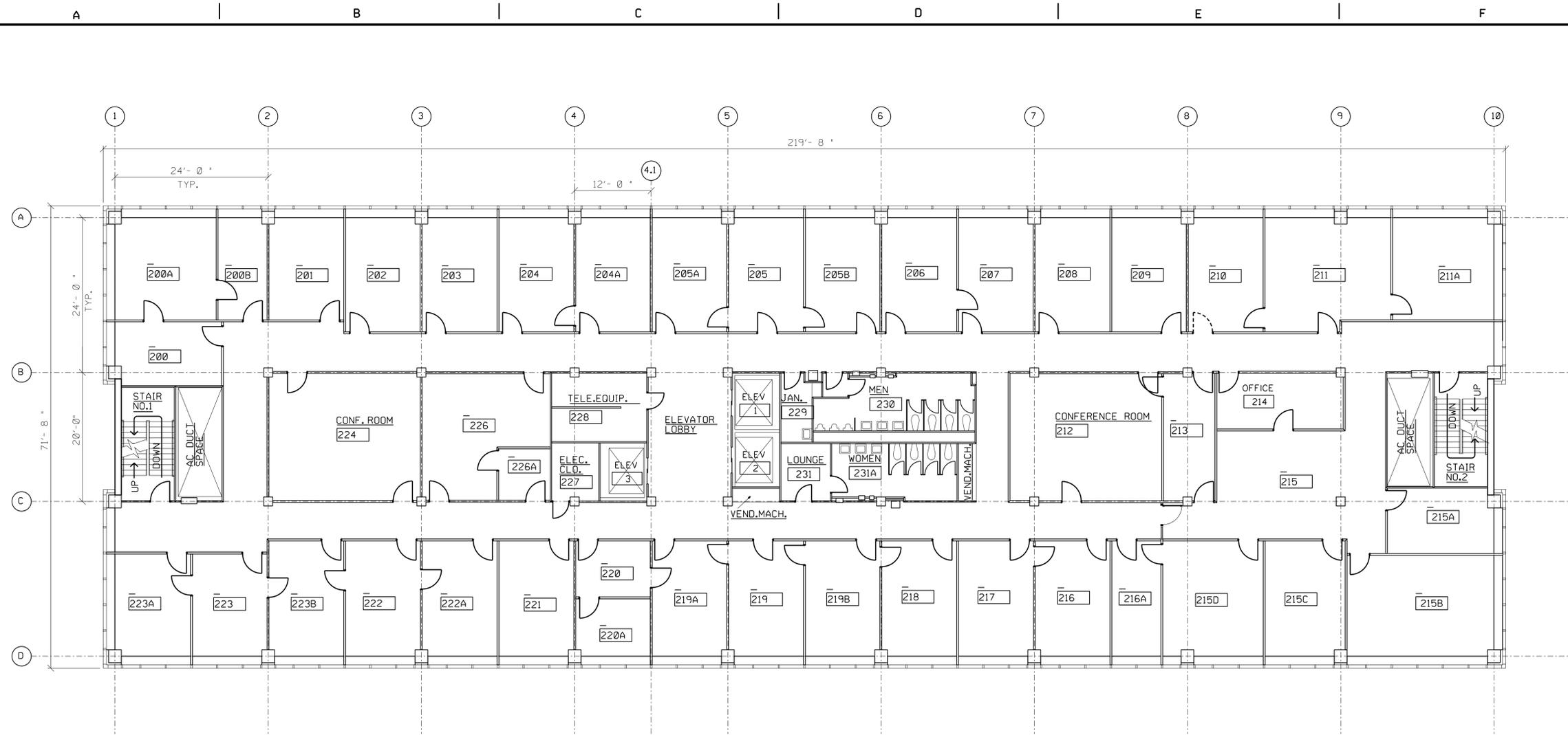
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**FIRST FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 0 4' 8' 12'

<p align="center"><b>WARNING</b></p> <p align="center"><b>DO NOT SCALE THIS DRAWING</b></p> <p>THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p align="center"><b>CADD DRAWING</b></p> <p>CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p>2651046 ON CADD ONLY. 03-27-14</p> <p>09-17-13 LATEST CADD UPDATE: 03-27-14</p> <p>LMD BY: B. THOMPSON 03:00 PM</p>					
CONCURRENCE:	DATE:	REV.	BY	DATE	REVISION	CA. NO.	APPROVED
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CONCURRENCE:	DATE:						
CONCURRENCE:	DATE:						
PLANNING OFFICE	DATE: 12-24-13						
CONCURRENCE:	DATE:						
ENVIRONMENTAL ENGINEERING OFFICE	DATE:						
UCS MANAGER	DATE: 01-09-14						
CONCURRENCE:	DATE:						
RANDALL B. FELDER	DATE: 01-07-14						
OPERATIONS & MAINTENANCE GROUP	DATE:						
CONCURRENCE:	DATE:						
TODD SPRINGER	DATE:						
ENVIRONMENTAL HEALTH	DATE:						
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ROGER BROWN	DATE: 12-05-13						
COMMUNICATIONS OFFICE	DATE:						
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REF. NO.	AD6	OF	14	SCALE:	AS NOTED	SPEC. NO.	TSRC 101

**Marshall Space Flight Center**  
**Huntsville, Alabama 35812**  
 WORK REQUEST NO. 2651046  
**BUILDING 4202**  
**DEMOLISH BUILDING 4202**  
**FIRST FLOOR PLAN & NOTES**

AE FIRM: KAYA Associates, Inc.	NASA AE CONTRACT NO: NNM11AA39C
SUBMITTED: DAVID A. SELLERS	APPROVAL RECOMMENDED: ERIC A. BOOHER
A/E: DATE: 12-05-13	PROJECT MANAGER DATE: 01-09-14
DESIGNED: L. DANIELL	APPROVAL RECOMMENDED: DAVID A. SELLERS
DRAWN: L. DANIELL	KEY: KAYA ASSOCIATES, INC.
CHECKED: R. BARTON	A/E PROGRAM MGR. DATE: 01-09-14
SCALE: AS NOTED	SPEC. NO. TSRC 101

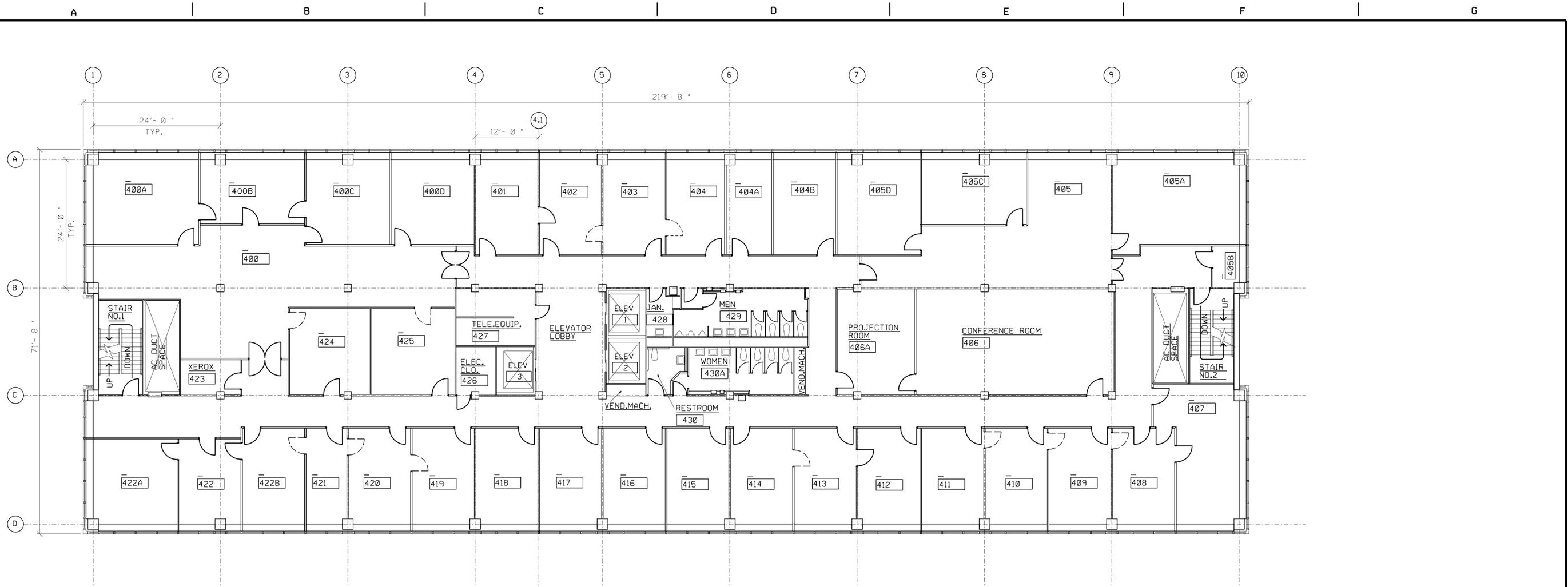
DRAWING NO. FAC-CR-4202-AD6 SHEET 18 OF 28



**SECOND FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

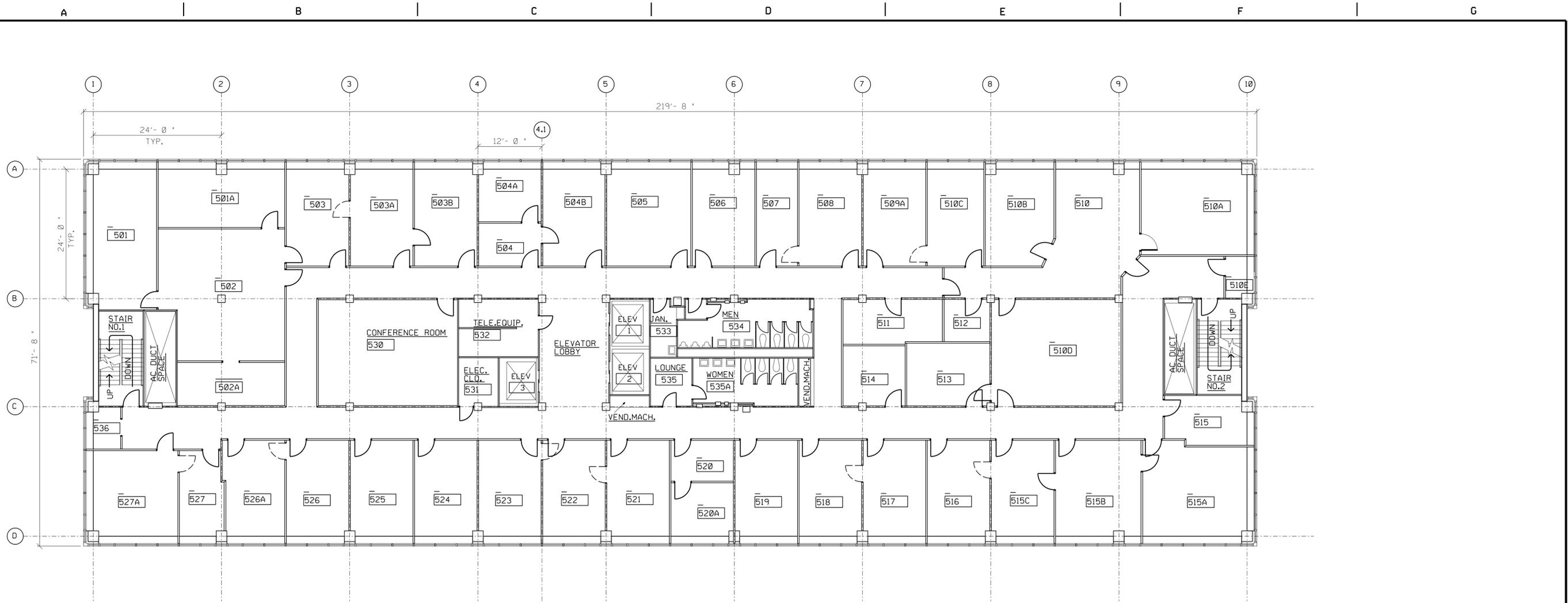
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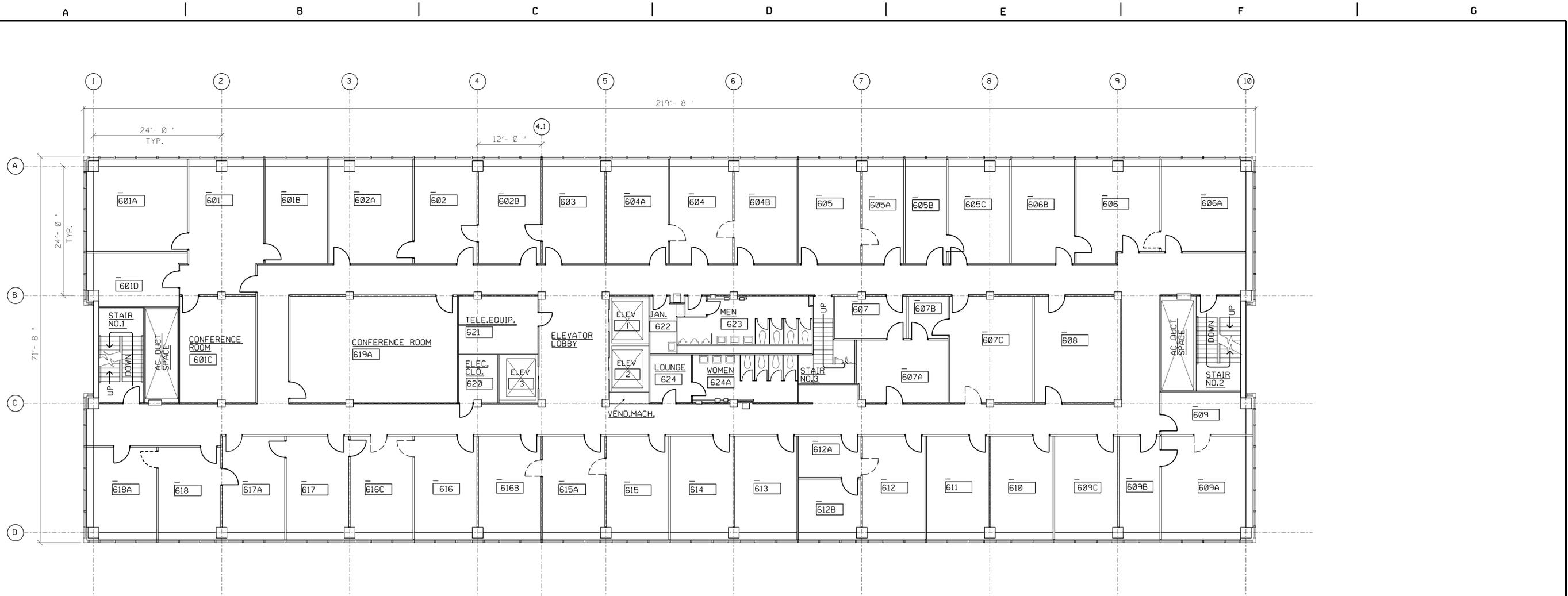
**FOURTH FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

<p style="text-align: center;"><b>WARNING</b></p> <p style="text-align: center;"><b>DO NOT SCALE THIS DRAWING</b></p> <p style="text-align: center; font-size: small;">         THIS DRAWING WAS DESIGNED TO BE PRINTED AT          A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"       </p>	<p style="text-align: center;"><b>CADD DRAWING</b></p> <p style="text-align: center; font-size: x-small;">         CHANGES TO THIS DRAWING SHALL BE MADE          ON CADD ONLY.       </p> <p style="text-align: center; font-size: x-small;">         2651046      03-27-14          09-17-13    LATEST CADD UPDATE: 03-27-14          LMD      BY: B. THOMPSON      03:00 PM       </p>
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SAFETY OFFICE CONCURRENT:      DATE: 01-07-14	
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REF. NO.	SUBMITTED:      APPROVAL RECOMMENDED: DAVID A. SELLERS      ERIC A. BOOHER      DENNIS L. NORRIS
DESIGNED: L. DANIELL      APPROVAL RECOMMENDED: DAVID A. SELLERS	PROJECT MANAGER      DATE: 01-09-14      TEAM LEAD      DATE: 01-10-14
CHECKED: R. BARTON      A/E PROGRAM MGR.      DATE: 01-09-14	DRAWING NO.      DATE: 01-09-14
SCALE: AS NOTED      SPEC. NO. (TSRC 10)	REF. NO.      SHEET 21 OF 28



**FIFTH FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 0 4' 8' 12'

<b>WARNING</b> <b>DO NOT SCALE THIS DRAWING</b> <small>THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</small>	<b>CADD DRAWING</b> <small>CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</small> <small>09-17-13 LATEST CADD UPDATE: 03-27-14</small> <small>LMD BY: B. THOMPSON 03:00 PM</small>																																																																																																																																												
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**SIXTH FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

<b>WARNING</b> <b>DO NOT SCALE THIS DRAWING</b> <small>THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</small>	<b>CADD DRAWING</b> <small>CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</small> <small>09-17-13 LATEST CADD UPDATE: 03-27-14</small> <small>LMD BY: B. THOMPSON 03:00 PM</small>																																																																																																																																																										
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**SOUTH ELEVATION  
BUILDING 4202**  
P1  
AD13  
NOT TO SCALE



**EAST ELEVATION  
BUILDING 4202**  
P2  
AD13  
NOT TO SCALE



**NORTH ELEVATION  
BUILDING 4202**  
P3  
AD13  
NOT TO SCALE



**WEST ELEVATION  
BUILDING 4202**  
P4  
AD13  
NOT TO SCALE



**PHOTOGRAPH ALONG NORTH  
SIDE OF BUILDING 4202**  
P5  
AD13  
NOT TO SCALE



**PHOTOGRAPH OF LOADING DOCK  
EAST SIDE OF BUILDING 4202**  
P6  
AD13  
NOT TO SCALE

<p align="center"><b>WARNING</b></p> <p align="center"><b>DO NOT SCALE THIS DRAWING</b></p> <p align="center">CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p align="center">THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p align="center"><b>CADD DRAWING</b></p> <p align="center">CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p align="center">LATEST CADD UPDATE: 03-27-14</p> <p align="center">BY: B. THOMPSON 03:00 PM</p>					
CONCURRENCE:	DATE:	REV.	BY	DATE	REVISION	CA. NO.	APPROVED
USING OFFICE:	DATE:	▲	LMD	03-24-14	MODS FOR FWR 2651046B		
CONCURRENCE:	DATE:						
PLANNING OFFICE:	DATE:						
CONCURRENCE:	DATE:						
OPERATIONS & MAINTENANCE GROUP:	DATE:						
ENVIRONMENTAL ENGINEERING OFFICE:	DATE:						
UCS MANAGER:	DATE:						
CONCURRENCE:	DATE:						
OPERATIONS & MAINTENANCE GROUP:	DATE:						
ENVIRONMENTAL HEALTH:	DATE:						
SAFETY OFFICE:	DATE:						
CONCURRENCE:	DATE:						
COMMUNICATIONS OFFICE:	DATE:						
DESIGNED:	DATE:						
CHECKED:	DATE:						
SCALE:	DATE:						
<p align="center">Marshall Space Flight Center Huntsville, Alabama 35812</p> <p align="center">WORK REQUEST NO. 2651046</p> <p align="center"><b>BUILDING 4202</b></p> <p align="center"><b>DEMOLISH BUILDING 4202</b></p> <p align="center">PHOTOGRAPHS &amp; NOTES</p>		<p align="center">NASA AE CONTRACT NO: <b>NNM11AA39C</b></p> <p align="center">APPROVED: <b>DENNIS L. NORRIS</b></p> <p align="center">DATE: 01-10-14</p>					
<p align="center">AE FIRM: <b>KAYA Associates, Inc.</b></p> <p align="center">SUBMITTED: <b>DAVID A. SELLERS</b></p> <p align="center">DATE: 12-05-13</p> <p align="center">DESIGNED: <b>L. DANIELL</b></p> <p align="center">DATE: 01-09-14</p> <p align="center">CHECKED: <b>R. BARTON</b></p> <p align="center">DATE: 01-09-14</p>		<p align="center">APPROVAL RECOMMENDED: <b>ERIC A. BOOHER</b></p> <p align="center">DATE: 01-09-14</p> <p align="center">APPROVAL RECOMMENDED: <b>DAVID A. SELLERS</b></p> <p align="center">DATE: 01-09-14</p> <p align="center">A/E PROGRAM MGR. DATE: 01-09-14</p>					
<p>REF. NO. <b>AD13</b> OF 14</p>		<p align="center">DRAWING NO. <b>FAC-CR-4202-AD13</b></p> <p align="center">SHEET 25 OF 28</p>					



**PRECAST CONCRETE SCREEN TO BE REMOVED**  
 P7 AD14 NOT TO SCALE



**PRECAST CONCRETE SCREEN TO BE REMOVED**  
 P8 AD14 NOT TO SCALE



**PRECAST CONCRETE SCREEN TO BE REMOVED**  
 P9 AD14 NOT TO SCALE



**EXISTING CANOPIES**  
 P10 AD14 NOT TO SCALE



**SEPERATION POINT "B" AT EXISTING CANOPIES**  
 P11 AD14 NOT TO SCALE



**SEPERATION POINT "A" AT EXISTING CANOPIES**  
 P12 AD14 NOT TO SCALE



**TYP. BASE AT CANOPY COLUMNS**  
 P13 AD14 NOT TO SCALE



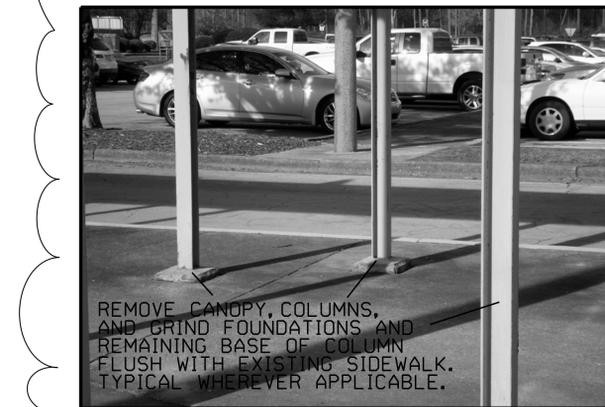
**TYP. LIGHTING UNDER CANOPIES**  
 P14 AD14 NOT TO SCALE



**SEPERATION POINT "C" AT EXISTING CANOPIES**  
 P15 AD14 NOT TO SCALE



**FILL POINT FOR UNDERGROUND DIESEL FUEL TANK**  
 P16 AD14 NOT TO SCALE



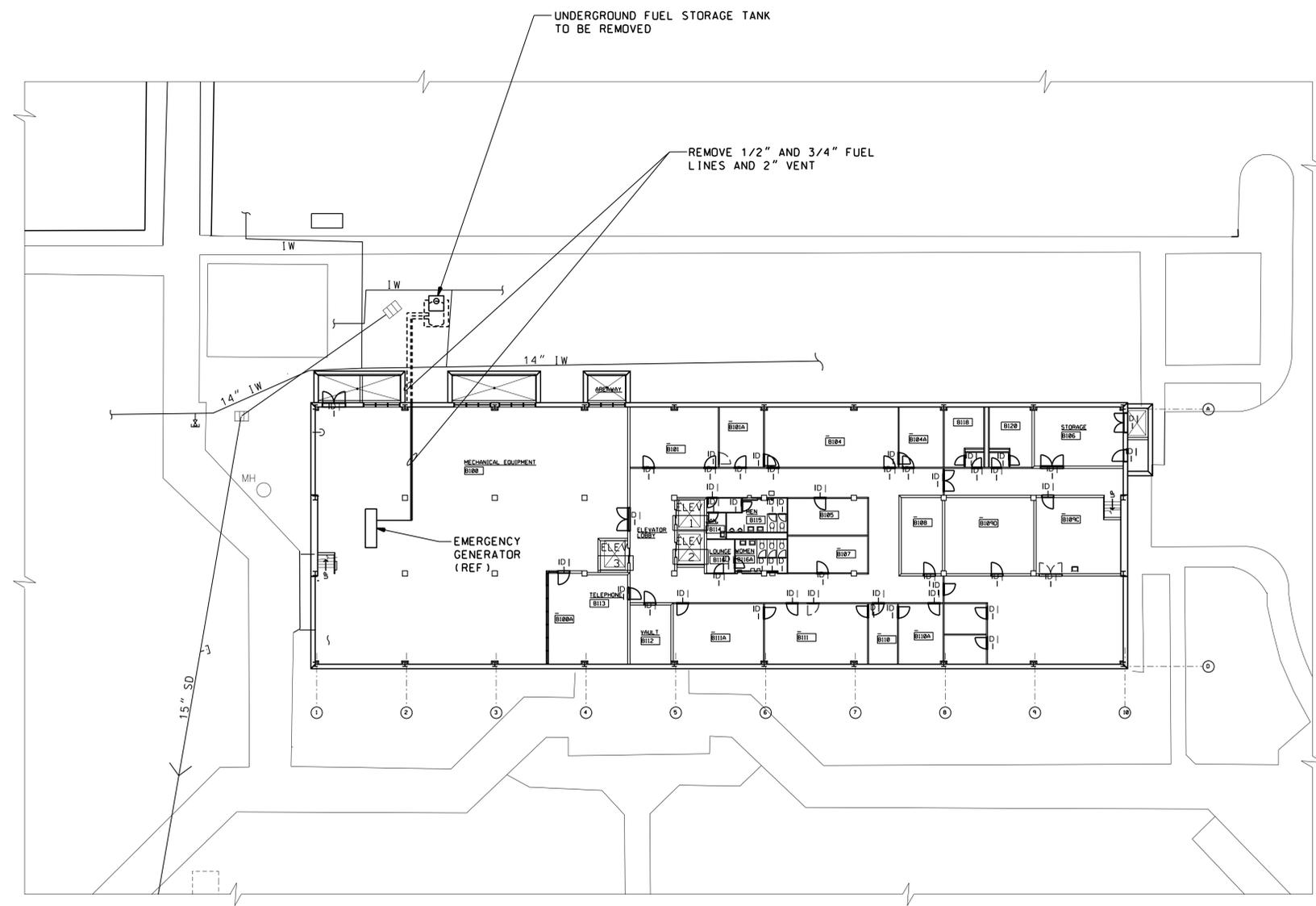
**REMOVE CANOPY, COLUMNS, AND GRIND FOUNDATIONS AND REMAINING BASE OF COLUMN FLUSH WITH EXISTING SIDEWALK. TYPICAL WHEREVER APPLICABLE.**  
 P17 AD14 NOT TO SCALE

<p><b>WARNING</b>  <b>DO NOT SCALE THIS DRAWING</b>                  THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p><b>CADD DRAWING</b>                  CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.                  2651046 ON CADD ONLY.                  09-17-12 LATEST CADD UPDATE: 03-27-14                  LMD BY: B. THOMPSON 03:00 PM</p>					
CONCURRENCE:	DATE:	REV.	BY	DATE	REVISION	CA. NO.	APPROVED
USING OFFICE:	DATE:	△	LMD	03-24-14	MODS FOR FWR 2651046B		ESB 03-27-14, DAS 03-27-14, DLN 03-27-14
CONCURRENCE:	DATE:						
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PLANNING OFFICE:	DATE:	<p>Marshall Space Flight Center                  Huntsville, Alabama 35812</p>					
CONCURRENCE:	DATE:	<p>WORK REQUEST NO. 2651046</p>					
CONCURRENCE:	DATE:	<p>BUILDING 4202</p>					
CONCURRENCE:	DATE:	<p>DEMOLISH BUILDING 4202</p>					
CONCURRENCE:	DATE:	<p>PHOTOGRAPHS &amp; NOTES</p>					
UCS MANAGER:	DATE:	<p>AE FIRM: KAYA Associates, Inc.</p>				<p>NASA AE CONTRACT NO. NNM11A39C</p>	
CONCURRENCE:	DATE:	<p>OPERATIONS &amp; MAINTENANCE GROUP</p>				<p>APPROVED: DENNIS L. NORRIS</p>	
CONCURRENCE:	DATE:	<p>ENVIRONMENTAL ENGINEERING OFFICE</p>				<p>TEAM LEAD DATE: 01-10-14</p>	
CONCURRENCE:	DATE:	<p>SAFETY OFFICE</p>				<p>DESIGNED: L. DANIELL</p>	
CONCURRENCE:	DATE:	<p>COMMUNICATIONS OFFICE</p>				<p>APPROVAL RECOMMENDED: DAVID A. SELLERS</p>	
CONCURRENCE:	DATE:	<p>REF. NO. AD14 OF 14</p>				<p>DRAWING NO. FAC-CR-4202-AD14</p>	
		<p>SCALE: AS NOTED</p>				<p>SHEET 26 OF 28</p>	

5  
4  
3  
2  
1

MECHANICAL DEMOLITION NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO CONSTRUCTION. WHERE DISCREPANCIES EXIST, CONFIRM COURSE OF ACTION WITH THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) BEFORE PROCEEDING.
2. PRIOR TO BEGINNING CONSTRUCTION CONTACT NASA AS22 TO OBTAIN A DIG PERMIT. OSCAR FORD @ (256) 544-6759 OR (256) 603-7884. FIELD LOCATE EXIST UTILITIES PRIOR TO CONSTRUCTION. IDENTIFY CONFLICTS OF NEW CONSTRUCTION WITH EXISTING UTILITIES AND PROTECT FROM DAMAGE.
3. WHEN EXISTING UTILITIES ARE ENCOUNTERED OR NEW UTILITY LINES INSTALLED UNDERGROUND, WHILE THE EXCAVATION REMAINS OPEN, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGEMENT INSPECTOR (CMI), WHO WILL ARRANGE FOR THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITY TO BE RECORDED BY A GOVERNMENT REPRESENTATIVE, USING COMMERCIAL GRADE SURVEYING EQUIPMENT. ADDITIONALLY, ALL EXISTING AND NEW UTILITY LINES IDENTIFIED DURING WORK ACTIVITIES SHALL BE RECORDED BY THE CONTRACTOR ON THE CONTRACT SET OF RED-LINE DRAWINGS, PROVIDING UTILITY TYPE WITH APPROXIMATE LOCATION(S), ALONG WITH A NOTE THAT CONFIRMS THAT NOTIFICATION WAS MADE TO THE CMI AND LOCATION DATA WAS COLLECTED "BY OTHERS".
4. CONTRACTOR SHALL SUBMIT A SEPARATE PLAN FOR REMOVING THE 600 GALLON UNDERGROUND STORAGE TANK (UST), ASSOCIATED EQUIPMENT AND PIPING. PLAN SHALL BE SUBMITTED FOR APPROVAL 30 DAYS PRIOR TO STARTING WORK.
5. CONTRACTOR SHALL REMOVE THE UNDERGROUND STORAGE TANK AND THE ASSOCIATED PIPING IN ACCORDANCE WITH ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) ADMIN. CODE R. 335-6-15.34. THIS INCLUDES BUT IS NOT LIMITED TO USE OF INDIVIDUALS WHO MEET CERTIFICATION REQUIREMENTS FOR PERFORMING PERMANENT CLOSURE OF UST SYSTEMS, SOIL SAMPLING/ANALYSIS, GROUNDWATER SAMPLING/ANALYSIS, AND SUBMITTED RESULTS PER CLOSURE SITE ASSESSMENT FORM 474 AS OUTLINED IN ADEM UST GUIDANCE MANUAL 111.3.1.
6. CONTRACTOR SHALL RECORD THE QUANTITY OF SOIL REMOVED AND ASSOCIATED BACKFILL PLACED AND SUBMIT THE RECORDS TO THE GOVERNMENT FOR VERIFICATION.

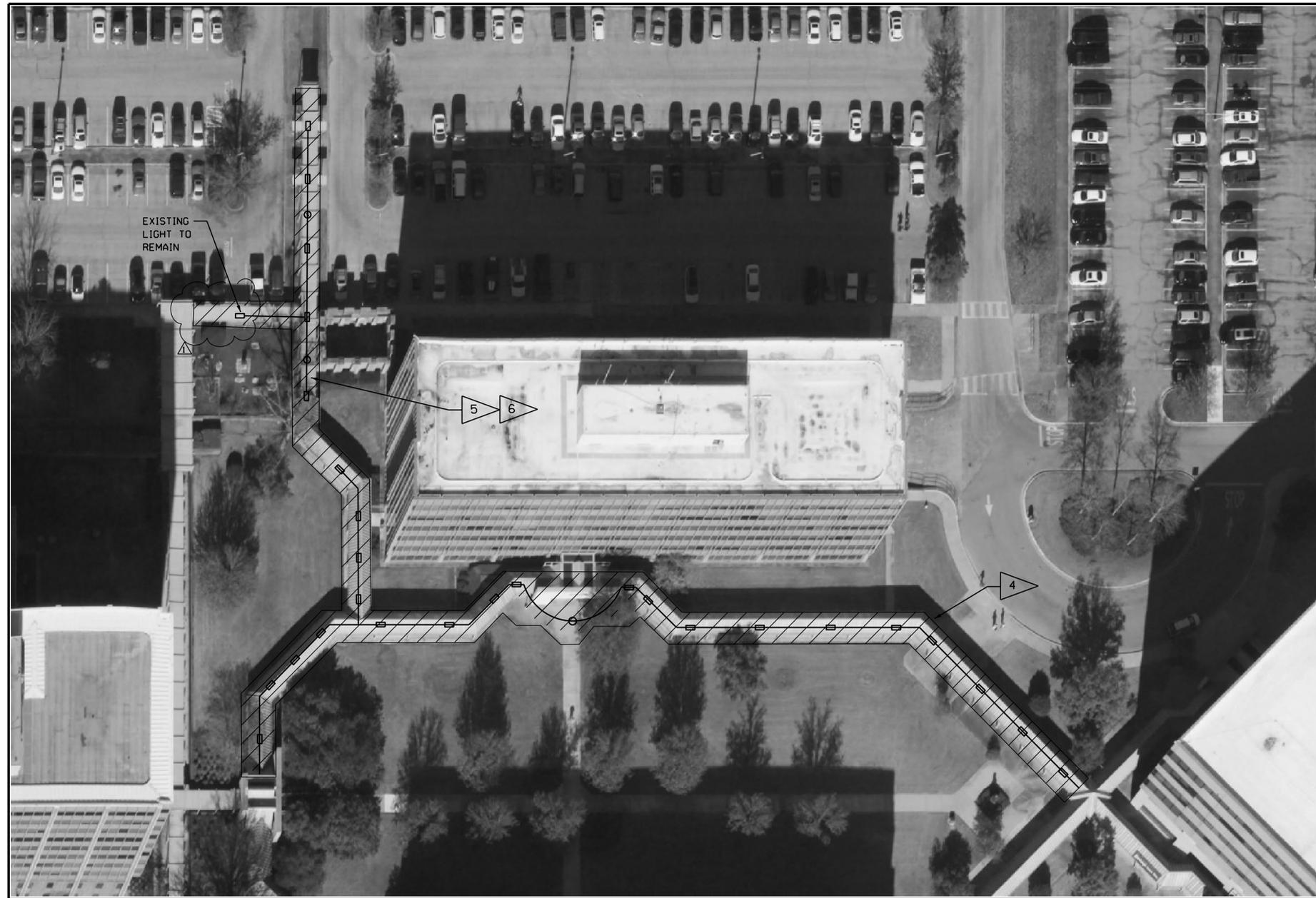


**LEGEND**

IW	INDUSTRIAL WATER
MH	MANHOLE
SD	STORM DRAIN

**BUILDING 4202 BASEMENT  
AREA SITE PLAN**  
SCALE: 1/16" = 1'-0"

<p><b>WARNING</b></p> <p><b>DO NOT SCALE THIS DRAWING</b></p> <p>THIS DRAWING WAS DESIGNED TO BE PRINTED AT A NASA SHEET SIZE: MSFC STD. SIZE 40" X 28"</p>		<p><b>CADD DRAWING</b></p> <p>CHANGES TO THIS DRAWING SHALL BE MADE ON CADD ONLY.</p> <p>11-12-13 LATEST CADD UPDATE: 03-27-14</p> <p>WNC BY: B. THOMPSON 03:00 PM</p>													
<p>CONCURRENCE: DATE:</p> <p>USING OFFICE CONCURRENCE: DATE:</p> <p>CONCURRENCE: DATE:</p> <p>PLANNING OFFICE CONCURRENCE: DATE: 12-24-13</p> <p>ENVIRONMENTAL ENGINEERING OFFICE CONCURRENCE: DATE:</p> <p>LCS MANAGER CONCURRENCE: DATE: 01-09-14</p> <p>OPERATIONS &amp; MAINTENANCE GROUP CONCURRENCE: DATE: 01-07-14</p> <p>ENVIRONMENTAL HEALTH CONCURRENCE: DATE: 12-23-13</p> <p>SAFETY OFFICE CONCURRENCE: DATE: 01-07-14</p> <p>COMMUNICATIONS OFFICE CONCURRENCE: DATE: 12-05-13</p> <p>TELECOMMUNICATIONS EQUIPMENT AFFECTED BY THIS CONTRACT WORK IS NOT TO BE ALTERED OR REMOVED BY THE CONTRACTOR. CONTACT THE COTR IN THE EVENT OF A CONFLICT.</p>		<p>REVISION</p> <table border="1"> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> <th>REVISION</th> <th>CA. NO.</th> <th>APPROVED</th> </tr> <tr> <td>1</td> <td>LMD</td> <td>03-24-14</td> <td>MODS FOR FWR 2651046B</td> <td></td> <td></td> </tr> </table>		REV.	BY	DATE	REVISION	CA. NO.	APPROVED	1	LMD	03-24-14	MODS FOR FWR 2651046B		
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1	LMD	03-24-14	MODS FOR FWR 2651046B												
<p>ROBERT A. PATRICK ENVIRONMENTAL ENGINEERING OFFICE</p> <p>RANDALL B. FELDER OPERATIONS &amp; MAINTENANCE GROUP</p> <p>TODD SPRINGER ENVIRONMENTAL HEALTH</p> <p>JASON R. SCOTT SAFETY OFFICE</p> <p>ROGER BROWN COMMUNICATIONS OFFICE</p>		<p>Marshall Space Flight Center Huntsville, Alabama 35812</p> <p>WORK REQUEST NO. 2651046</p> <p><b>BUILDING 4202</b></p> <p><b>DEMOLISH BUILDING 4202</b></p> <p>MECHANICAL PLANS AND NOTES</p>													
<p>AE FIRM: KAYA Associates, Inc.</p> <p>DAVID A. SELLERS</p> <p>DUSTIN KOONTZ</p> <p>W. LANDERS</p> <p>MD1 OF 1</p>		<p>NASA AE CONTRACT NO. NNM11A39C</p> <p>APPROVED: DENNIS L. NORRIS</p> <p>PROJECT MANAGER DATE: 01-09-14</p> <p>APPROVAL RECOMMENDED: ERIC A. BOOHER</p> <p>APPROVAL RECOMMENDED: DAVID A. SELLERS</p> <p>APPROVAL RECOMMENDED: KAYA ASSOCIATES, INC.</p> <p>A/E PROGRAM MGR. DATE: 01-09-14</p> <p>DRAWING NO. FAC-CR-4202-MD1</p> <p>SHEET 27 OF 28</p>													



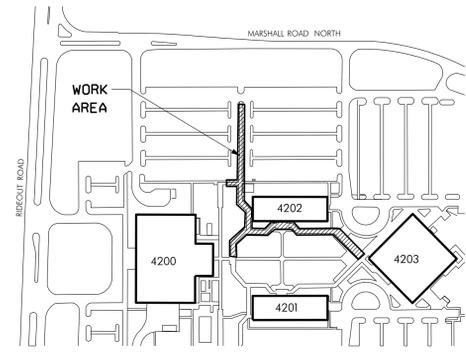
**ELECTRICAL NOTES:**

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2011 NEC AND SPECIFICATION M5059 AS MINIMUM STANDARDS.
2. REMOVE ALL ELECTRICAL ITEMS FROM BUILDING WHICH INCLUDE THE FOLLOWING: SWITCHBOARDS, MOTOR CONTROL CENTERS, PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS, LIGHTING FIXTURES, EMERGENCY LIGHTS, NON-SELF-ILLUMINATING TYPE EXIT SIGNS, OCCUPANCY SENSORS, FIRE ALARM PANEL, SMOKE DETECTORS, HEAT DETECTORS, MANUAL PULL STATIONS, STROBE UNITS, HORN UNITS, HORN/STROBE UNITS, DIESEL GENERATOR SET, BATTERIES, ETC.
3. ALL SELF-ILLUMINATING TYPE EXIT SIGNS WILL BE REMOVED PRIOR TO THE START OF THE DEMOLITION PROJECT BY MSFC COSS CONTRACTOR. HOWEVER, IF THE CONTRACTOR DISCOVERS ANY EXIT SIGNS THAT HAVE NOT BEEN REMOVED, THE CONTRACTOR SHALL CONTACT THE COTR TO COORDINATE REMOVAL OF SIGNS.
4. DISCONNECT AND REMOVE EXISTING CANOPY LIGHT FIXTURES AND BRANCH WIRING BACK TO ITS SOURCE, PANEL 4203-LP0001, LOCATED IN ROOM B200B, BASEMENT OF BUILDING 4203.
5. DISCONNECT AND REMOVE EXISTING CANOPY LIGHT FIXTURES AND BRANCH WIRING.
6. REMOVE BRANCH WIRING BACK TO LAST ACTIVE LIGHT FIXTURE.

**LIGHT BALLASTS AND FLORESCENT BULBS**

DUE TO THE AGE OF MANY OF THE EXIT LIGHTS AND FLORESCENT FIXTURES IN THE BUILDING, ALL BALLASTS SHALL BE ASSUMED TO CONTAIN PCB'S AND TREATED ACCORDINGLY. BEFORE REMOVING THE LIGHT FIXTURES, FLORESCENT BULBS AND BALLASTS, THE CONTRACTOR SHALL CALL THE MSFC HAZARDOUS WASTE DEPARTMENT AT 544-4787 OR 544-5988. THE HAZARDOUS WASTE DEPARTMENT WILL FURNISH AND DELIVER DISPOSAL PACKAGES FOR FLORESCENT BULBS, AND A LARGE DRUM FOR THE DISPOSAL OF ALL BALLASTS FROM THE BUILDING. THE CONTRACTOR SHALL REMOVE THE LIGHT FIXTURES, REMOVE THE BALLASTS FROM THE FIXTURES, AND PLACE THE BALLASTS AND EXIT LIGHTS IN THE DRUM. UPON COMPLETION OF THE WORK, OR FILLING OF THE DRUM, CONTACT THE HAZARDOUS WASTE DEPARTMENT AND THEY WILL DISPOSE OF THE DRUM AND PROVIDE ADDITIONAL DRUMS IF NECESSARY.

<b>WARNING</b>	<b>CADD DRAWING</b>
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**KEY PLAN**  
NOT TO SCALE

CONCURRENCE: DATE:					
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