

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200513982	5. PROJECT NO. (If applicable) PCN 98812
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office, OP-ES-A Kennedy Space Center, FL 32899	CODE OP-ES	7. ADMINISTERED BY (If other than Item 6) Same as block 6		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	9A. AMENDMENT OF SOLICITATION. NNK14513982R
	10A. MODIFICATION OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of Amendment 0001 is to:

See Attached pages

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sherry L. Gasaway	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Sherry L Gasaway (Signature of Contracting Officer)	16C. DATE SIGNED 07/11/14
(Signature of person authorized to sign)			

Section 14. DESCRIPTION OF AMENDMENT/MODIFICATION cont.

- A. Add FAR Clause 52.204-13 – System for Award Management Maintenance (Jul 2013) - by reference in Section I. 2.**
- B. Add FAR Clause 52.222-99 – Establishing a Minimum Wage for Contractors (Deviation 2014-O0017) (June 2014) – by reference in Section I. 2.**
- C. Under Section L. 10.b add the following Paragraph:**

“Offerors shall provide a Technical Experience Summary identifying three (3) contracts being performed or successfully completed within seven (7) years of the date of issuance of this solicitation (**June 18, 2014**) (including federal, state, local government, and private projects) similar in size, content, and complexity to the instant Government acquisition.”
- D. Update Davis Bacon Wages to FL140001 dated 07/04/2014**
- E. Provide Government answers to potential bidder’s questions, see attached.**
- F. Incorporate changes to the solicitation as a result of responses to bidder questions, see attached.**
- G. Extend Bid Due Date from July 18, 2014 to July 23, 2014.**
- H. All other terms and conditions remain unchanged.**

General Decision Number: FL140001 07/04/2014 FL1

Superseded General Decision Number: FL20130001

State: Florida

Construction Types: Building, Heavy and Highway

County: Brevard County in Florida.

**CAPE CANAVERAL AIR STATION, PATRICK AIR FORCE BASE KENNEDY SPACE CENTER AND MALABAR RADAR SITE IN BREVARD COUNTY BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and partments up to and including 4 stories) HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/03/2014
1	01/31/2014
2	02/07/2014
3	02/28/2014
4	04/11/2014
5	05/02/2014
6	05/23/2014
7	05/30/2014
8	06/13/2014
9	07/04/2014

ASBE0067-001 01/01/2014

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems).....	\$ 25.28	12.78

ASBE0067-002 07/01/2013

	Rates	Fringes
HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging, and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not).....	\$ 15.70	9.50

BOI L0433-001 01/01/2013

Rates	Fringes
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BOILERMAKER.	\$ 24. 91	19. 69
All other work.	\$ 24. 91	19. 69

BRFL0001-001 05/01/2013

	Rates	Fri nges
BRICKLAYER (BRICKLAYERS, BLOCKLAYERS, PLASTERERS, TERRAZZO WORKERS, TILE SETTERS AND CEMENT MASONS)		
COMMERCIAL.	\$ 18. 50	6. 00
INDUSTRIAL.	\$ 23. 15	7. 85

INDUSTRIAL work includes: Bulk plants, power houses,
chemical plants, missile sites including all work at Cape
Canaveral Air Force Station and Kennedy Space Flight Center.

CARP1000-001 07/01/2013

	Rates	Fri nges
MI LLWRIGHT.	\$ 29. 23	11. 40

* CARP1765-001 05/01/2008

	Rates	Fri nges
Carpenters:		
*INDUSTRIAL:		
CARPENTERS.	\$ 23. 96	7. 21
PI LEDRIVERMEN.	\$ 21. 75	8. 65
COMMERCIAL:		
CARPENTERS.	\$ 22. 46	7. 21
PI LEDRIVERMEN.	\$ 21. 75	8. 65

ELEC0222-001 10/15/2012

	Rates	Fri nges
Li ne Constructi on:		
CABLE SPLICER.	\$ 31. 66	5. 00+23%
GROUNDMAN.	\$ 17. 19	5. 00+23%
LI NEMAN; HEAVY EQUI PMENT OPERATOR.	\$ 30. 15	5. 00+23%

ELEC0756-001 12/31/2012

	Rates	Fri nges
El ectri ci ans:		
Cable Spl icer.	\$ 25. 90	5. 50%+8. 50
Wi reman.	\$ 25. 80	5. 5%+8. 70

ELEV0139-001 01/01/2014

	Rates	Fri nges
ELEVATOR MECHANIC.	\$ 38. 12	26. 785+A

FOOTNOTE:

A. Employer contributions 8% of regular hourly rate to vacation pay credit for employee who has worked in business more than 5 years; Employer contributions 6% of regular hourly rate to vacation pay credit for employee who has worked in business less than 5 years.

Paid Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; The Friday after Thanksgiving Day; and Christmas Day.

 ENGI0673-001 05/01/2013

	Rates	Fri nges
Power equipment operators:		
GROUP 1.....	\$ 26.30	10.85
GROUP 2.....	\$ 24.14	10.85
GROUP 3.....	\$ 23.00	10.85
GROUP 4.....	\$ 20.36	10.85

POWER EQUIPMENT OPERATORS

CLASSIFICATIONS GROUP 1: Tower Crane, Locomotive Crane, Crawler Crane, Truck Crane, Hydro Crane, Piledriver (including auger and boring machine)

GROUP 2: Mechanic/Welder and operators of: Gantry Crane, Bridge Crane, Clam Shell, Dragline, Backhoe, Grapple, Grader, Sideboom Cat, Hulti-Drum Hoist, Highlift (10' or higher), Locomotive Engineer, Tugboat Captain (150 hp or more), Concrete Pump with boom

GROUP 3: Bulldozers, Forklifts, Straddle Buggy, Single Drum Hoist, Winch Truck, Trenching Machine, Concrete Paver, Scraper, Loader, Asphalt Paving Machine, Lubricating Engineer, Fireman, Concrete Breaking Machine, Concrete Mixer

GROUP 4: Tractors, Wellpoint System Operator and Installer, Air Compressor, Pulver Mixer, Motor boat, Power Boat, Power Sweeper, Welding Machine, Oiler, Mechanic's Helper, Pump, Conveyor, Roller, Watertruck, Asphalt distributor, Concrete Pump (trailer type), Utility Operator

 IRON0808-001 01/01/2013

	Rates	Fri nges
IRONWORKER.....	\$ 24.28	10.95

 LAB00517-001 05/01/2014

	Rates	Fri nges
Laborers:		
Asbestos Abatement,		
Hazardous and Toxic Waste		

Removal Laborers; (On all mechanical systems: Lead Base Paint Removal; pipes, boilers, ducts, flues, breechings, ect.; that are going to be scrapped, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the laborers;.....	\$ 18.60	6.45
Carpenter Tender, Cement Mason Tender, Block/Bricklayer Tender		
Plasterer Tender.....	\$ 18.35	6.45
Demolition Laborers.....	\$ 18.35	6.45
General Laborer.....	\$ 18.35	6.45
Pipelayer Laborer, Laborer engaged in the pouring of concrete, mortar mixers, masonry forklift operator, and operation of power tools.....	\$ 18.35	6.45

PAI N0078-001 10/01/2013

	Rates	Fringes
GLAZIER.....	\$ 22.00	8.50

PAI N0078-002 08/01/2013

	Rates	Fringes
PAINTER.....	\$ 24.00	11.15

PLUM0295-001 01/01/2014

	Rates	Fringes
Plumber/Plumfitter/Steamfitter INDUSTRIAL: Bulk Plants, Power-houses, Chemical Plants, Missile Sites, (Including all Work at Cape Canaveral Air Force Station and Kennedy Space Flight Center but excluding work performed at Patrick Air Force Base and Malabar Radar Site), Oil Refineries, etc., and such other work which is related to and considered a part of the above type projects.....	\$ 32.34	15.34
INDUSTRIAL: Bulk Plants, Power-houses, Chemical Plants, Missile Sites, (Including all Work		

at Cape Canaveral Air Force Station and Kennedy Space Flight Center but excluding work performed at Patrick Air Force Base and Malabar Radar Site), Oil Refineries, etc., and such other work which is related to and considered a part of the above type projects \$ 32.69 15.34
 Schools, Hospitals, Shopping Centers, and work not listed as Industrial... \$ 32.69 15.34

* R00F0006-001 08/01/2013

	Rates	Fringes
Roofer.....	\$ 19.45	7.31

SFFL0821-002 01/01/2014

	Rates	Fringes
SPRINKLER FITTER		
Commercial.....	\$ 25.33	17.32
Industrial.....	\$ 27.53	17.32

Industrial: Jobs covering sugar mills, power plants, trash burning plants, military installations and Cape Kennedy. All other work shall be commercial rate.

SHEE0015-001 12/01/2013

	Rates	Fringes
SHEET METAL WORKER.....	\$ 24.12	13.95

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage

determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

NNK14513982R – Refurbish Ground Cooling System (GCS), Pad 39B, PCN: 98812

A. ANSWERS TO BIDDERS QUESTIONS:

- 1. REFERENCE:** Section M.1.d.(2) Evaluation Process

QUESTION: Does the 10% HUBZone preference mean that a true HUBZone Small Business entity can be awarded the project at up to a 10% higher price than a non-HUBZone Small Business entity?

RESPONSE: If a HUBZone Small Business submits a proposal as the prime contractor then the Government will utilize the ten (10) percent HUBZone price evaluation preference provided in FAR 52.219-4.

- 2. REFERENCE:** Drawing 79K39604, Sheet M-002, Refrigerant Replacement General Notes 1 through 18

QUESTION: Please provide approximate compactly for the existing R-22 system.

RESPONSE: There is approximately 60 lb of R-22 in each of the three (3) Refrigeration Modules.

- 3. REFERENCE:** Drawing 79K39604, Sheet M-023, Detail 2

QUESTION: Is the contractor to assume that all tubing tie-ins can be done using Detail 2 Typical Coupling Assembly?

RESPONSE: Yes.

- 4. REFERENCE:** Drawing 79K39604, page M-023, Detail 3

QUESTION: Please provide connection size and type for points A, B, C, and D or is the contractor to assume the existing connection fittings can be reused for new install?

RESPONSE: New connection fittings shall be provided by the contractor. These connection sizes and types are detailed in the heat exchanger data sheets within the specifications.

- 5. REFERENCE:** Drawing 79K39604 (Multiple Sheets)

QUESTION: Please provide reference drawings 80K56129, 80K56130, 80K5632, and 80K5635 for dimensional and tubing size take-off.

RESPONSE: The drawings are export controlled and have been uploaded to the solicitation in FedBizOpps under Reference Documents (Controlled).

- 6. REFERENCE:** Drawing 79K39604 Sheet M-002, Refrigerant Replacement, R-22 Replacement, Note 2

QUESTION: Will the Government be providing approved containers for: recovery of refrigerant, and disposal of recovered refrigerant?

RESPONSE: No. The contractor shall provide all approved containers and assume responsibility for proper disposal / recycling of existing refrigerant per federal regulations.

7. **REFERENCE:** Drawing 79K39604 Sheet M-002, Refrigerant Replacement, R-22 Replacement Note 3

QUESTION: What is the quantity of R-22 required to be recovered from the Primary Loop system?

RESPONSE: There is approximately 60 lb of R-22 in each of the 3 Refrigeration Modules.

8. **REFERENCE:** Drawing 79K39604 Sheet M-002, Refrigerant Replacement, R-22 Replacement, Note 10 & 14.

QUESTION: What is the quantity of R-22 and R-404 required to charge the Primary Loop system?

RESPONSE: The R-22 quantity during the flush procedure should be the same as described in response to question number 7 above. The R-404a quantity for the initial charge needs to be determined via vendor data by the contractor for switching from R-22 to R-404a.

9. **REFERENCE:** Drawing 79K39604 Sheet M-002, Refrigerant Replacement, R-22 Replacement, Note 11, 12, 13

QUESTION: Is the R-22 used to charge the system that same refrigerant recovered in Note 2, and reused for Notes 11, 12, and 13, or are each of the 3 system charges to be of new off-the-shelf R-22?

RESPONSE: The recovered R-22 will likely have some carryover mineral oil. The intent of this procedure is to clear the mineral oil out of the system before switching to R-404a and POE oil. See attached additional addenda item number 6.

10. **REFERENCE:** Drawing 79K39604 Sheet M-002, Refrigerant Replacement, R-124 Replacement, Note 6 and 7

QUESTION: Will hydrostatic testing and mechanical cleaning to Level 300 per the specifications require removal of driers, filters or other components to accomplish? Please confirm that the system is compatible to the introduction of water, acidic solutions, and solvents, and will not trap solutions for cleaning and drying operations per KSC-C-123H.

RESPONSE: Question will be answered in a future amendment.

11. REFERENCE: Drawing 79K39604 Sheets M-004 through M-018, Other Drawing References

QUESTION: On each of the referenced drawing sheets, other drawings and sheet numbers are referenced, for one example Sheet M-004, "REFERENCE : 80K56129 SHEET 6". These drawings referenced on the above pages are not listed in the solicitation documents, and have not been provided. Please clarify the reference to these drawings, and provide them if pertinent to the project.

RESPONSE: These reference drawings are the original drawings used as a basis for the new drawings. See response to question number 5 above.

12. REFERENCE: Drawing 79K39604 Sheet M-008, New Tubing to Circulation Pumps, Flag Notes 1 - 6

QUESTION: The 6 each low point drains are connected to the existing 3 each pump bodies at 2 locations on each pump. The "New Installation" drawing indicates that the low point drain connections are to be tied into the pump suction and discharge lines, 6 places, and not to the pump bodies. Is this correct?

RESPONSE: Sheet M-008 shows notional pump equipment. The bidder should coordinate low point drain connections with the pumps they are bidding as other models may have low point drains on the pump body.

13. REFERENCE: Drawing 79K39604 Sheet M-008, New Tubing to/from Circulation Pumps

QUESTION: Is the new tubing for the Circulation Pump suction and discharge 1-1/2" X 0.049"?

RESPONSE: Yes.

14. REFERENCE: Drawing 79K39604 Sheet M-021, Detail D-D

QUESTION: The 1-1/2" SST pipe for the R-134A supply and return lines are noted to terminate with an 1-1/2" end fitting, AS1098-24. Please provide the information for a welded fitting for the transition from SCH 40 SST pipe to the AS1098-24 end fitting.

RESPONSE: See attached additional addenda item number 7.

15. REFERENCE: Drawing 79K39604 Sheet M-021, Detail D-D

QUESTION: The ML connections appear to be angled down through the use of a butt-weld pipe fitting (45° or other) before the transition to the AS1098-24 fittings. Is that the intent, or is this a reference to a flex hose connected?

RESPONSE: The connection should be angled 45 degrees using a pipe fitting. Weld an

AAB1048-24K1.50G, (male flared tube w/ groove ring to pipe socket weld) onto the end of the 1-1/2" SST pipe section with an AS4329-24 Cap Assembly on the supply pipe leg. On the return pipe leg weld an AAB1013-24K1.50, (female flared tube swivel to pipe socket weld) onto the end of the 1-1/2" SST pipe section with an AS1369-24 Male Plug. See attached additional addenda item number 7.

16. REFERENCE: Drawing 79K39604 Sheet M-023, Flag Note 3

QUESTION: Please clarify the Typical Coupling Assembly detail shown on Sheet M-023. This appears to be a socket weld pipe type connection, which is not typical to flared or welded tubing per KSC-SPEC-Z-0008C, or for butt-weld pipe and fittings. Is this detail intended to be a reference to an Automatic Butt Weld union such as a KC146 per GP-425G?

RESPONSE: The typical coupling assembly is a butt weld pipe or tube connection with outer, welded pipe around the weld.

17. REFERENCE: Specification 79K39605, Section 40 05 13, Paragraph 2.2.1.2 Stainless Steel Tubing

QUESTION: The tubing specification calls for ASTM A269 tubing with markings to include the designation "KSC-SPEC-Z-0007E". Tubing with this designation is not available from our suppliers, and can only be provided by purchasing mill runs of thousands of feet of each particular size and wall thickness required. Will ASTM A269 tubing meeting all other requirements of Paragraph 2.2.1.2 except for the designation marking of "KCS-SPEC-Z-0007E" be acceptable?

RESPONSE: ASTM A259 tubing meeting all requirements of paragraph 2.2.1.2 is acceptable. See attached additional addenda number 8.

B. INCORPORATE CHANGES INTO SOLICITATION

(b) Addenda to Specification and Drawings:

6. Drawing 79K39604, Sheet M-002, REFRIGERANT REPLACEMENT, revise General Note 10 as follows:

From: "RECHARGE THE SYSTEM WITH R-22."

To: "RECHARGE THE SYSTEM WITH NEW R-22."

7. Drawing 79K39604, Sheet M-021, revise Detail D-D as follows:

From: "AS1098-24 FLARED TUBE END FITTING"

To: "For the supply fitting A204257, weld an AAB1048-24K1.50G, (male flared tube w/ groove ring to pipe socket weld) onto the end of the 1-1/2" SST pipe section. For the return fitting A204258, weld an AAB1013-24K1.50, (female flared tube swivel to pipe socket weld) onto the end of the 1-1/2" SST pipe section."

8. Specification 79K39605, Section 40 05 13, Paragraph 2.2.1.2 Stainless Steel Tubing revise the last paragraph as follows:

From: "Tubing shall be marked in accordance with FED-STD-183. The designation KSC-SPEX-Z-0007E", the material type (Type 304 or 316), and the tube size and wall thickness shall be marked on all tubing."

To: "Mark tubing as follows: PERMANENTLY MARK ALL TUBING WITH A 75M04185-10 IDENTIFICATION TAG BY TYPE V (DIE STAMP) MARKING PER MIL-STD-792 WITH .19 INCH LETTERING. MARKING SHALL INCLUDE TUBE OUTER DIAMETER AND WALL THICKNESS, MATERIAL DESIGNATION, HYDROSTAT PRESSURE, AND DATE OF HYDROSTAT TEST. ATTACH TAG TO WELDED TUBING ASSEMBLY WHERE SHOWN. APPLY PRIMARY AND SECONDARY COLOR CODING TO ALL OUT OF CONSOLE TUBING PER THE REQUIREMENTS OF KSC-STD-SF-0004 USING ADHESIVE BACKED LABELS. FLUID SHALL BE "R-134A", IDENTIFICATION SHALL BE "PHDAN", COLOR SHALL BE "GRAY" AND PRESSURE SHALL BE 500 PSIG."