

NAVFAC
SPECIFICATION

7103893
B133 RENOVATIONS (FRCE)

MCAS Cherry Point, NC
AMENDMENT #0003

IMPORTANT

This amendment should be acknowledged when your proposal is submitted. Failure to acknowledge the amendment may constitute grounds for rejection of the proposal.

If your proposal has been submitted prior to the receipt of this amendment, acknowledgement should be made by telegram, which should state whether the price contained in your proposal is to remain unchanged, is to be decreased by an amount, or is to be increased by an amount. The acknowledgement must be received prior to proposal opening time.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE 1	OF PAGES 3
2. AMENDMENT/MODIFICATION NO. 0003	3. EFFECTIVE DATE 04/22/2021	4. REQUISITION/PURCHASE REQ. NO. 7103893	5. PROJECT NO. (If applicable)		
6. ISSUED BY CG MCAS Cherry Point FACILITIES, ROICC B-163, CURTIS ROAD PSC BOX 8006 CHERRY POINT, NC 28533		7. ADMINISTERED BY (If other than item 6.)		Code	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) AMENDMENT MUST BE ACKNOWLEDGED WITH YOUR PROPOSAL			<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION B133 RENOVATIONS (FRCE)	
				9B. DATED (SEE ITEM 11)	
			<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input checked="" type="checkbox"/> 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 copy 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 ACKNOWLEDGMENT 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.

<input type="checkbox"/>	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.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATION CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER: (specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return **original** to the issuing office.

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

7103893 B133 RENOVATIONS (FRCE), Marine Corps Air Station Cherry Point, NC

This amendment is being issued to respond to pre-award RFIs and provide updated drawing.

The deadline to submit pre-award RFIs remains 26 April 2021 by 0900.

The proposal due date of 5 May 2021 at 1200 local times remains UNCHANGED.

See Attached.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Same as Item 8)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

RFI Responses:

5. In Appendix D of Spec Section 23.05.93, the equipment listed in the table is not the same equipment that is on the schedule on page M-601. Because of this, it is unclear what water gauge is to be used for the ductwork systems. Please, clarify.

Response:

Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments. See revised drawing sheet M-504 with revision #1 "DUCTWORK CLARIFICATIONS", 21 April 2021. The "Duct Construction Classification" table on sheet M-504 is to be used for determining the pressure classification for each duct system. Please note that for B133, the classification shown for "AHU-1" on sheet M-504 is to be used for the rooftop units (RTU-1, -2, -3).

CONTINUATION SHEET

SECTION 00 01 15 - LIST OF DRAWINGS
1.2 CONTRACT DRAWINGS

The following drawings are revised as of 21 APR 2021:

NAVFAC DWG NO.	TITLE
12830535	MECHANICAL DETAILS

**SEISMIC AND WIND REQUIREMENTS
RISK CATEGORIES I, II + III
INFORMATION FOR IBC-2012 / ASCE 7-10**

SEISMIC DESIGN CATEGORIES A, B

GENERAL NOTES

- PER THE 2012 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-10.
- EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTERS 26 TO 29 OF ASCE 7-10.
- WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.
- REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.
- SEE EQUIPMENT SCHEDULES AND DETAILS FOR SPECIFIC COMPONENT IMPORTANCE FACTOR DESIGNATIONS.
- USE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.
- FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL.
- WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.
- SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAY AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

COMPONENT IDENTIFICATION	COMPONENT IMPORTANCE FACTOR (Ip)			
	1.0		1.5	
	SEISMIC RESTRAINT REQUIREMENT	ASCE 7-10 REFERENCE	SEISMIC RESTRAINT REQUIREMENT	ASCE 7-10 REFERENCE
ROOF MOUNTED	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
FLOOR MOUNTED	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
WALL MOUNTED	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
COMPONENT SUPPORTS	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
SUSPENDED EQUIPMENT	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
SUSPENDED PIPING	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
SUSPENDED DUCTWORK	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
SINGLE CONDUIT	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
CABLE TRAY/BUS DUCT TRAPEZED CONDUIT	NOT REQUIRED	13.1.4.4	NOT REQUIRED	13.1.4.4
PENDANT, LAY-IN, & CAN LIGHTS	NOT REQUIRED	13.1.4.2	NOT REQUIRED	13.1.4.2
COMPONENT CERTIFICATION	NOT REQUIRED	13.2.2	NOT REQUIRED	13.2.2

	IMPORTANCE FACTOR (Ip)	VIBRATION ISOLATION TYPE
DUCTWORK	1.0	F ①
CHILLED WATER PIPING	1.0	F ①
HOT WATER PIPING	1.0	F ①
STEAM PIPING	1.0	F ①

① PROVIDE ISOLATOR FOR THE FIRST THREE HANGERS FROM ALL EQUIPMENT SPECIFIED WITH SPRING ISOLATION.

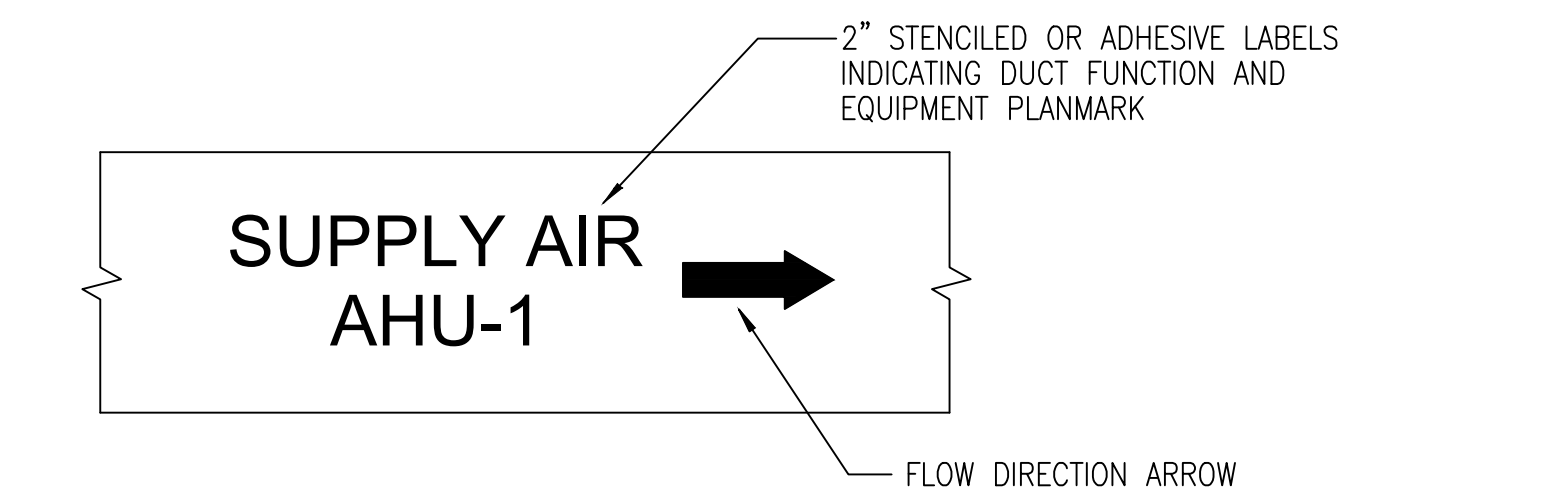
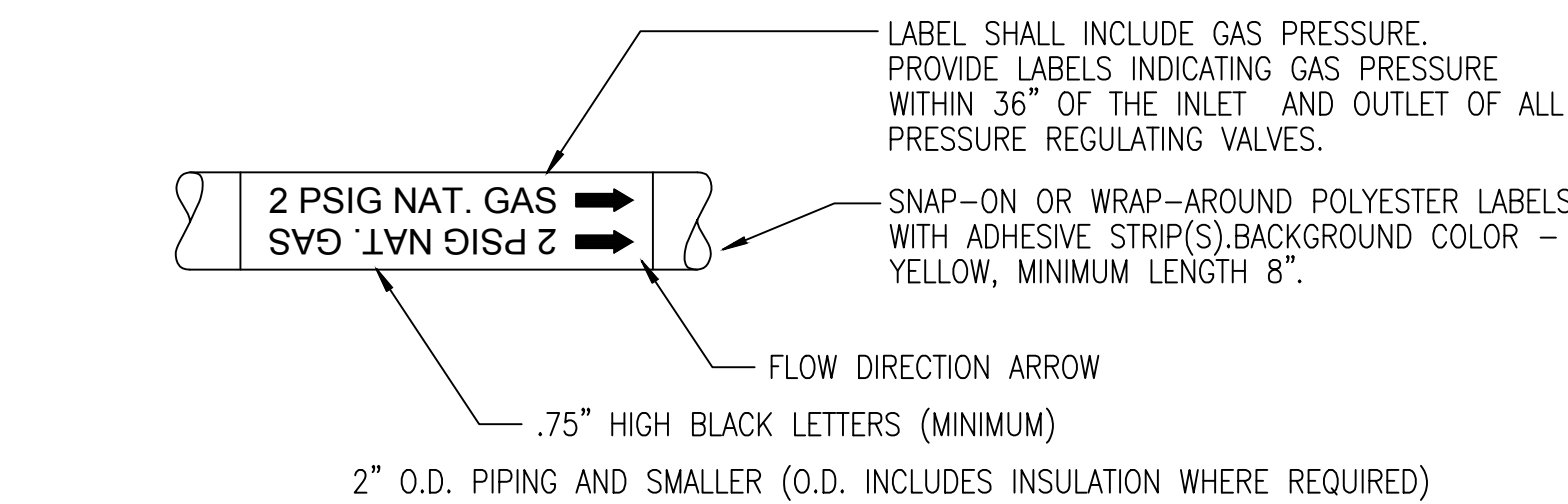
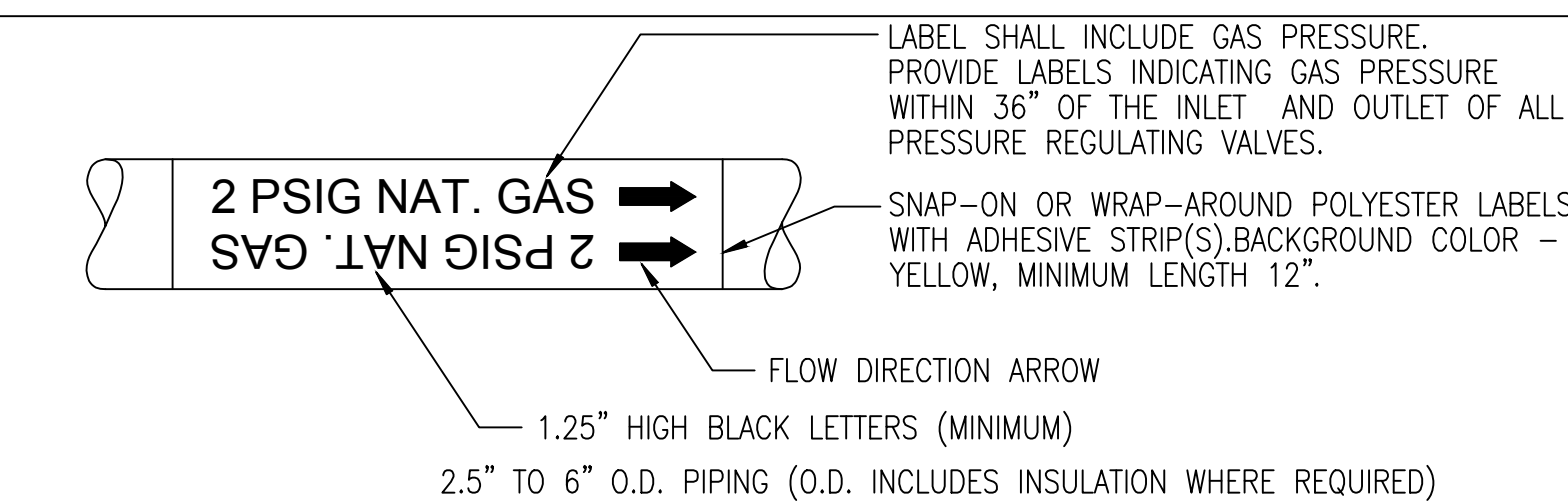
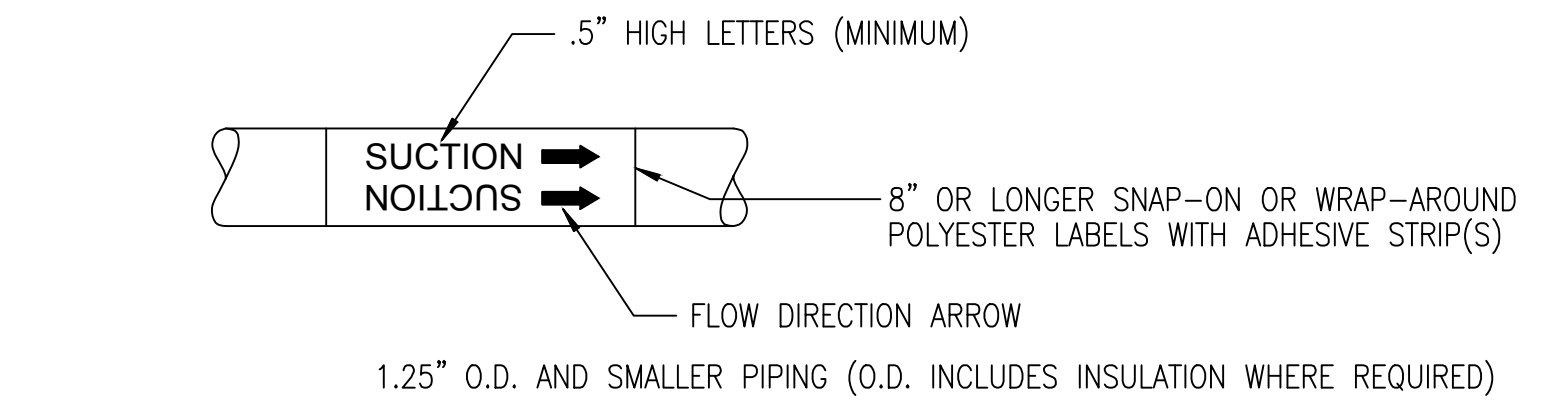
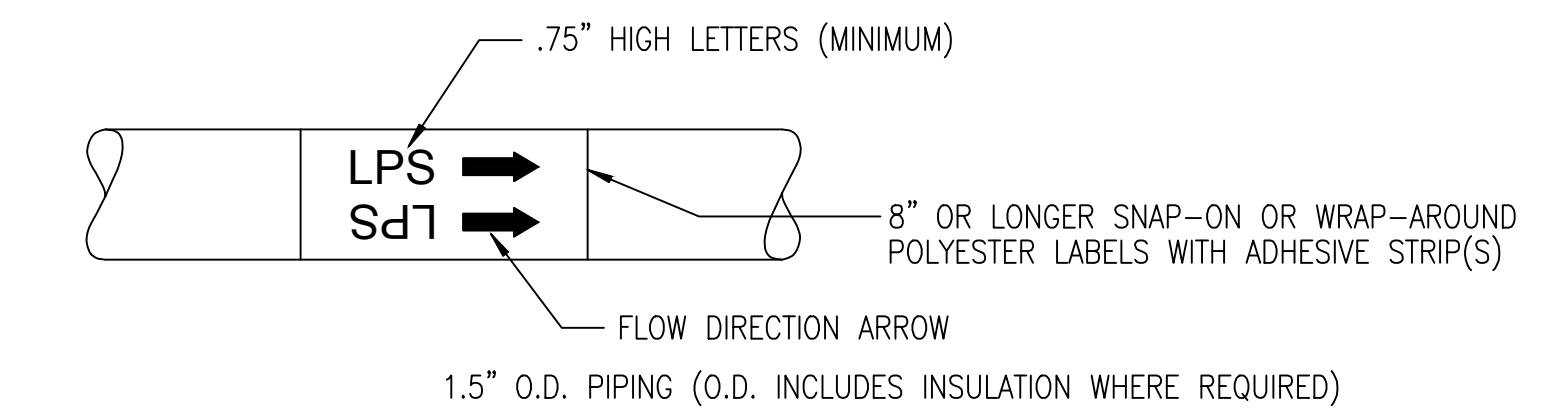
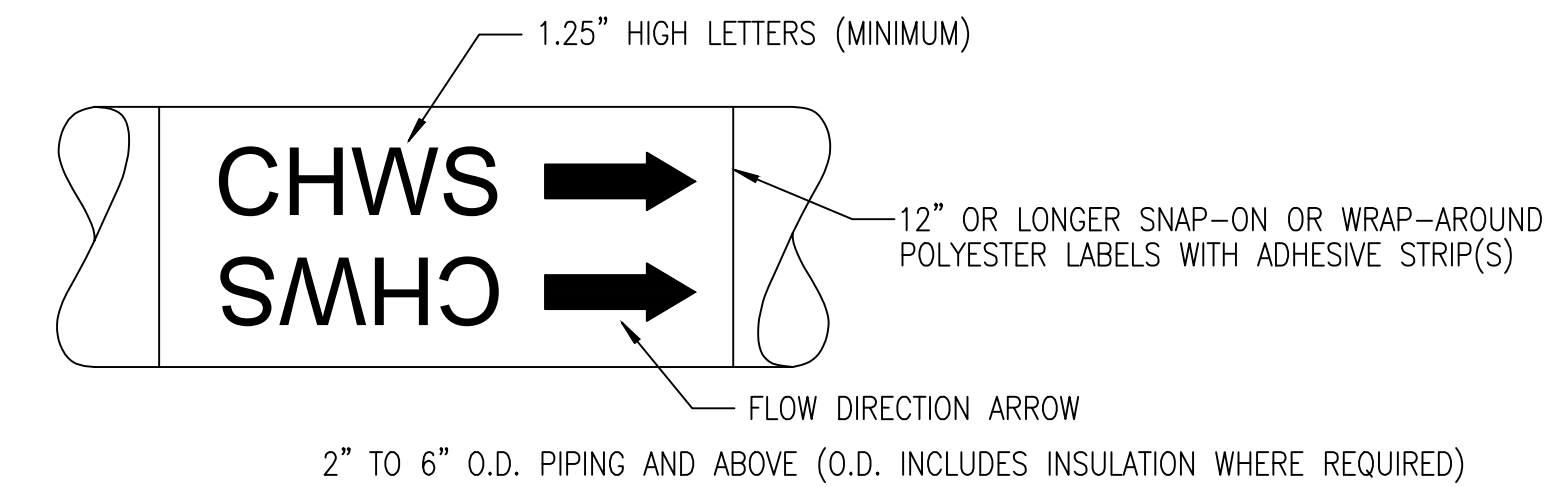
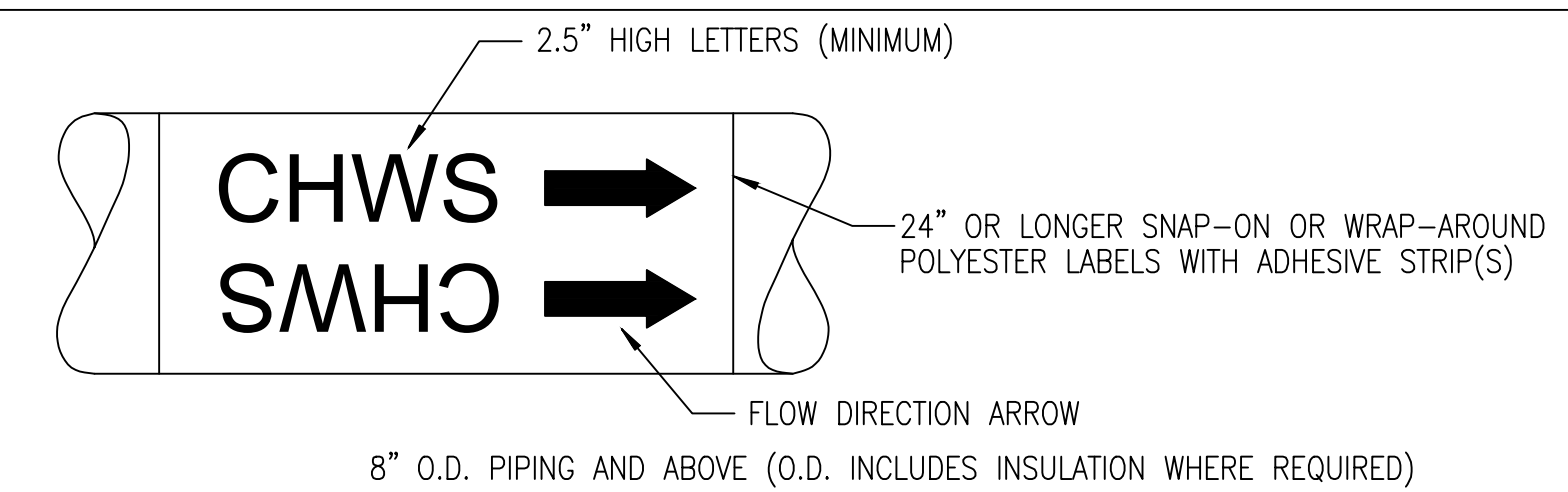
LABEL TEXT AND COLOR LEGEND

PIPE SYSTEM DESCRIPTION	LETTER COLOR	BACKGROUND COLOR
CHILLED WATER SUPPLY	WHITE	GREEN
CHILLED WATER RETURN	WHITE	GREEN
HOT WATER SUPPLY	BLACK	YELLOW
HOT WATER RETURN	BLACK	YELLOW
NATURAL OR LP GAS	BLACK	YELLOW
REFRIGERANT SUCTION	WHITE	ORANGE
REFRIGERANT LIQUID	WHITE	ORANGE
MAKE-UP WATER	WHITE	GREEN
CHEMICAL SHOT FEEDER	BLACK	YELLOW

DUCT CONSTRUCTION CLASSIFICATIONS

	RTU-1,2,3	-	ALL EF'S
SUPPLY AIR FROM AHU TO TERMINAL BOXES/GRILLES	3"	-	-
SUPPLY AIR FROM TERMINAL BOX TO GRILLE/DIFFUSER	2"	-	-
RETURN AIR MAIN TRUNK LINES	2"	-	-
RETURN AIR RUN-OUTS FROM TRUNK TO GRILLE/DIFFUSER	1"	-	-
RELIEF AIR	1"	-	-
OUTSIDE AIR	1"	-	-
EXHAUST MAIN TRUNKS	1"	-	1"
EXHAUST RUN-OUTS FROM TRUNK TO GRILLE/DIFFUSER	1"	-	1"

- * ALL DUCT SHALL BE SEAL CLASS "A", PER UFC 3-410-01.
- * ALL 1" PRESSURE CLASS SUPPLY/RETURN/EXHAUST/RELIEF/OUTSIDE AIR SHALL BE LEAKAGE CLASS 24.
- * ALL 2" PRESSURE CLASS SUPPLY AIR SHALL BE LEAKAGE CLASS 12.
- * ALL 2" PRESSURE CLASS RETURN AIR SHALL BE LEAKAGE CLASS 24.
- * ALL 3" PRESSURE CLASS SUPPLY AIR SHALL BE LEAKAGE CLASS 6.
- * ALL DUCTWORK SHALL BE DALI TESTED PER SPECIFICATIONS.



- NOTES:**
- STENCIL OR LABEL COLORS SHALL CONTRAST WITH THE DUCT SYSTEM COLOR. USE BLACK FOIL FACED DUCT INSULATION.
 - LABEL ALL ACCESSIBLE DUCT SYSTEMS AFTER EXITING A MECHANICAL ROOM OR CHASE AND BEFORE ENTERING A MECHANICAL ROOM OR CHASE.
 - LABEL DUCT SYSTEMS WHERE MULTIPLE DUCT SYSTEMS OCCUR IN A CONCENTRATED AREA OR CROSS PATHS. STENCIL PAINT SHALL BE AN ALKYD BASED GLOSS OR SEMI-GLOSS.
 - CLEAN DUCTWORK PRIOR TO STENCILING OR APPLYING ADHESIVE LABELS.

APR '21

DUCTWORK CLARIFICATIONS

DATE

DESCRIPTION

DATE

NAVFAC

SEAL

1-21-21

CRENSHAW CONSULTING

APPROVED:

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: MCH/row MGE/row JDL

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

MARINE CORPS AIR STATION CHERRY POINT

MEZZANINE 'A' RENOVATIONS, BUILDING 133

FLEET READINESS CENTER-EAST

MCAS CHERRY POINT, CHERRY POINT, NC

BUILDING 133

MECHANICAL DETAILS

SCALE:

EPROJECT NO.: 1562017

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12830535

SHEET 48 OF 65

M-504

DRAWFORM REVISION: 10 MARCH 2009