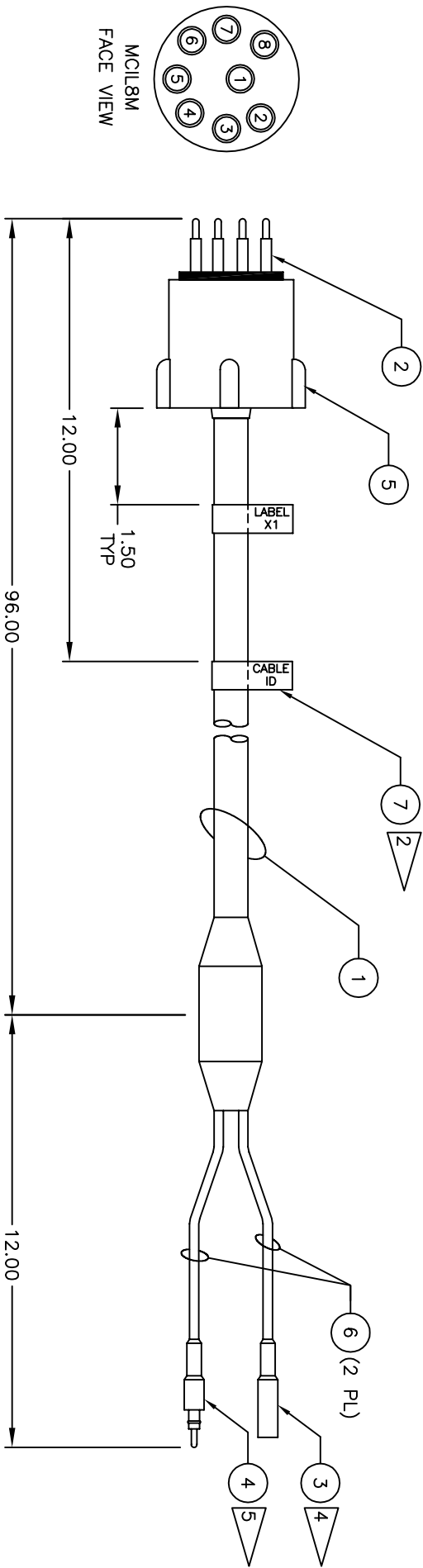


THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE NDBC ENGINEERING DEPARTMENT.

REVISIONS			
ZONE	DESCRIPTION	DATE	APPROVED
-	--	xx/xx/xx	xx/xx/xx
-	--	xx/xx/xx	xx/xx/xx

NOTES:

1. COMPLETE CABLE ASSY CAN BE OBTAINED FROM NDBC STOCK, USE NDBC CONTROL # TBD.
2.  USE A BROTHER P-TOUCH LABEL MAKER, MODEL PT-2400 OR EQUIVALENT, TO IDENTIFY CABLES AS SHOWN IN THE LABEL IDENTIFICATION TABLE. APPLY LABELS AS SHOWN IN THE CABLE VIEW.
3.  EQUIVALENT SUBSTITUTE CAN BE USED IN PLACE OF SPECIFIED ITEM.
4.  FEMALE CONNECTOR AND WIRE, ITEMS 3 & 6, CAN BE OBTAINED FROM STOCK PRE-ASSEMBLED. USE NDBC CONTROL # 14277.
5.  MALE CONNECTOR AND WIRE, ITEMS 4 & 6, CAN BE OBTAINED FROM STOCK PRE-ASSEMBLED. USE NDBC CONTROL # 14276.



LABEL IDENTIFICATION TABLE	
CABLE ID NUMBER	LABEL X1
02.3F03121-001	PASS THRU 2P2 IM IF

PARTS LIST							
	QTY	NOTES	DESCRIPTION	NDBC CONTROL NO.	MANUFACTURER & PART NUMBER	ZONE (S)	ITEM NO.
AR	2		LABEL TAPE, BLK INK ON WHT, 9mm(3/8"), P-TOUCH T2 LAMINATED TAPE	14177	BROTHER 17-221	C6	7
AR	3		WIRE, HOOKUP, 20 AWG, 10X30 STRAND, NEOPRENE INSULATION	NSN	BELDEN WIRE 31520	C4	6
	1		SLEEVE, CONNECTOR LOCKING, FEMALE, DELRIN, W/TH SNAP RING, WEIMATE	NSN	SUBCONN MCDLSF	C7	5
	1		CONNECTOR, RUBBER MOLDED, 1 CIRCUIT, MALE, WIRE END	NSN	IMPULSE RMA-MP	C4	4
1	3		CONNECTOR, RUBBER MOLDED, 1 CIRCUIT, FEMALE, WIRE END	NSN	IMPULSE RMA-TFS	C4	3
1	3		CONNECTOR, WET MATE 8 CIRCUIT, MALE, CABLE END, MICRO SERIES	NSN	SUBCONN MCL8M	C7	2
AR	3		CABLE, 4 CONDUCTOR MIN, 20 AWG, POLYURETHANE JACKET	NSN	ALPHA WIRE 25054	C5	1
-001							

Diagram illustrating the IM SUB-SURFACE IF CABLE WIRING. The cable has 8 pins, numbered 1 through 8. The wiring connections are as follows:

- Pin 1: IM SEND → (connected to FEMALE PLUG)
- Pin 2: IM SEND → (connected to FEMALE PLUG)
- Pin 3: IM RTN ← (connected to FEMALE PLUG)
- Pin 4: IM RTN ← (connected to FEMALE PLUG)
- Pin 5: N/C
- Pin 6: N/C
- Pin 7: N/C
- Pin 8: N/C

The FEMALE PLUG is connected to the TO IM COUPLER MATING PLUGS. The MALE PLUG is also connected to the TO IM COUPLER MATING PLUGS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		CONTRACT NO.		TITLE	
DECIMALS	SUBFRACTIONS	APPROVALS		 NATIONAL DATA BUOY CENTER Joint U.S. Space Center Stennis Space Center Stennis Space Center, Mississippi 39529-6000	
XX, 2, .05	ANGULAR	DATE		IM SUB-SURFACE	
XX, 2, .05	± .05	DATE		INTERFACE CABLE ASSEMBLY	
DO NOT SCALE DRAWING	CONSTRUCTION MET. APPROVAL	DRAWN BY D.JAYNES		10/02/09	
		CHECKED BY		DATE	
		ENGINEER APPROVAL		DATE	
-001 X	X	NBR. PROJ. ENGR.		DATE	
-001 X	X	APPROVED BY		DATE	
-001 X	X	SCALE 1/1		RELEASE DATE: X	
- NO.	HULL NO.	SIZE		CAGE CODE	
		D		DRAWING NO	
		02.3F03121		REV	
		SHEET 1 OF 1		-	