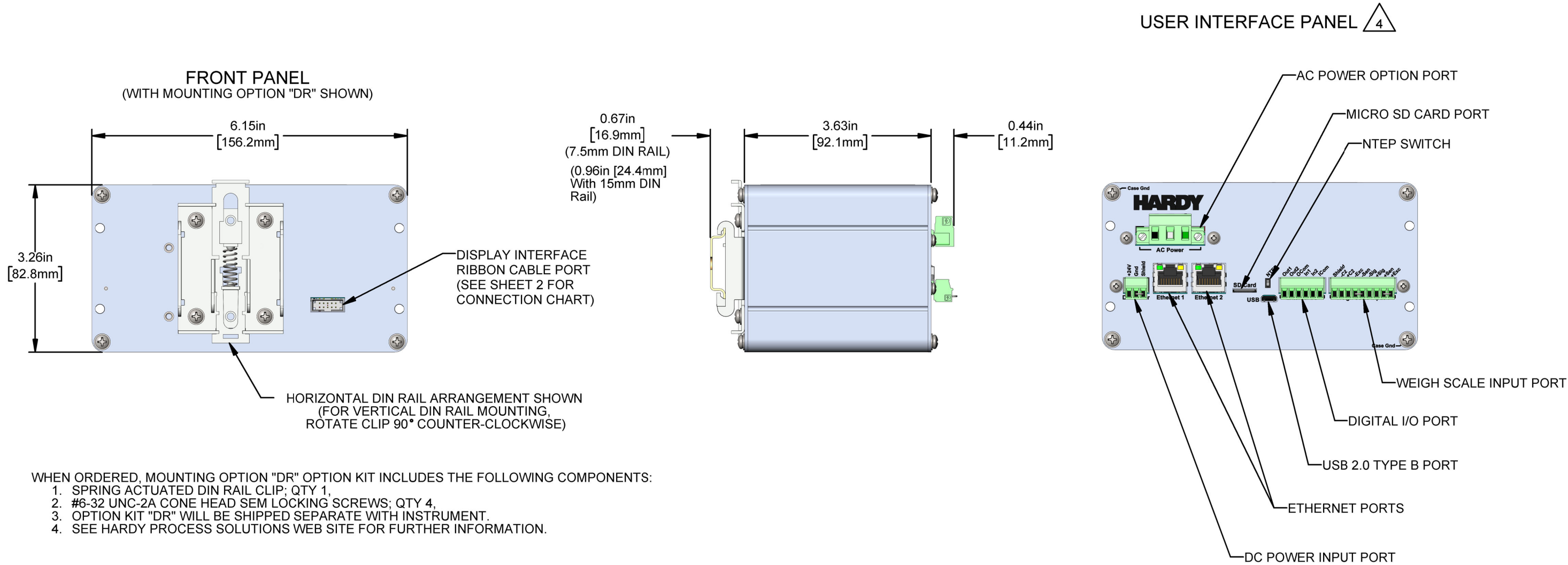


HI 6800 SERIES INSTRUMENT

REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APVD
A	----	RELEASED.	10-09-23	V.J.C.	J.I.	V.J.C.
B	----	ADDED OPTIONS PMWS1, NSC AND IT1.	08-28-24	V.J.C.	L.N.	V.J.C.



WHEN ORDERED, MOUNTING OPTION "DR" OPTION KIT INCLUDES THE FOLLOWING COMPONENTS:

1. SPRING ACTUATED DIN RAIL CLIP; QTY 1,
2. #6-32 UNC-2A CONE HEAD SEM LOCKING SCREWS; QTY 4,
3. OPTION KIT "DR" WILL BE SHIPPED SEPARATE WITH INSTRUMENT.
4. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR FURTHER INFORMATION.

6. THIS DRAWING ONLY SHOWS THE AVAILABLE OPTION CONTENT FOR THE HI 6800 SERIES INSTRUMENTS.
SEE HARDY PROCESS SOLUTIONS WEB SITE FOR INSTRUMENT SPECIFIC APPLICATION SOFTWARE VARIANTS.

5. IF THE HI 6800 INSTRUMENT IS USED IN A MANNER NOT SPECIFIED BY HARDY PROCESS SOLUTIONS,
THE PROTECTION PROVIDED BY THE INSTRUMENT MAY BE IMPAIRED.

4 SEE SHEETS 5 THROUGH 7 FOR USER INTERFACE CONNECTIONS.

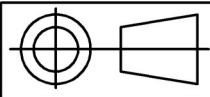
3. SEE SHEETS 3 AND 4 FOR TYPE 4X WALL MOUNT ENCLOSURE OPTION PMWS1.

2. SEE SHEET 2 FOR PANEL MOUNT DISPLAY OPTION.

1. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR ADDITIONAL MOUNTING AND WIRING INFORMATION.

NOTES: UNLESS OTHERWISE SPECIFIED

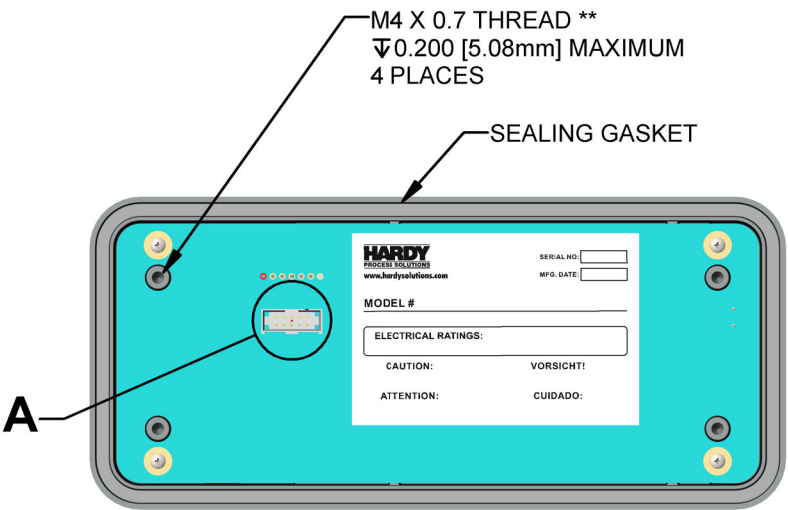
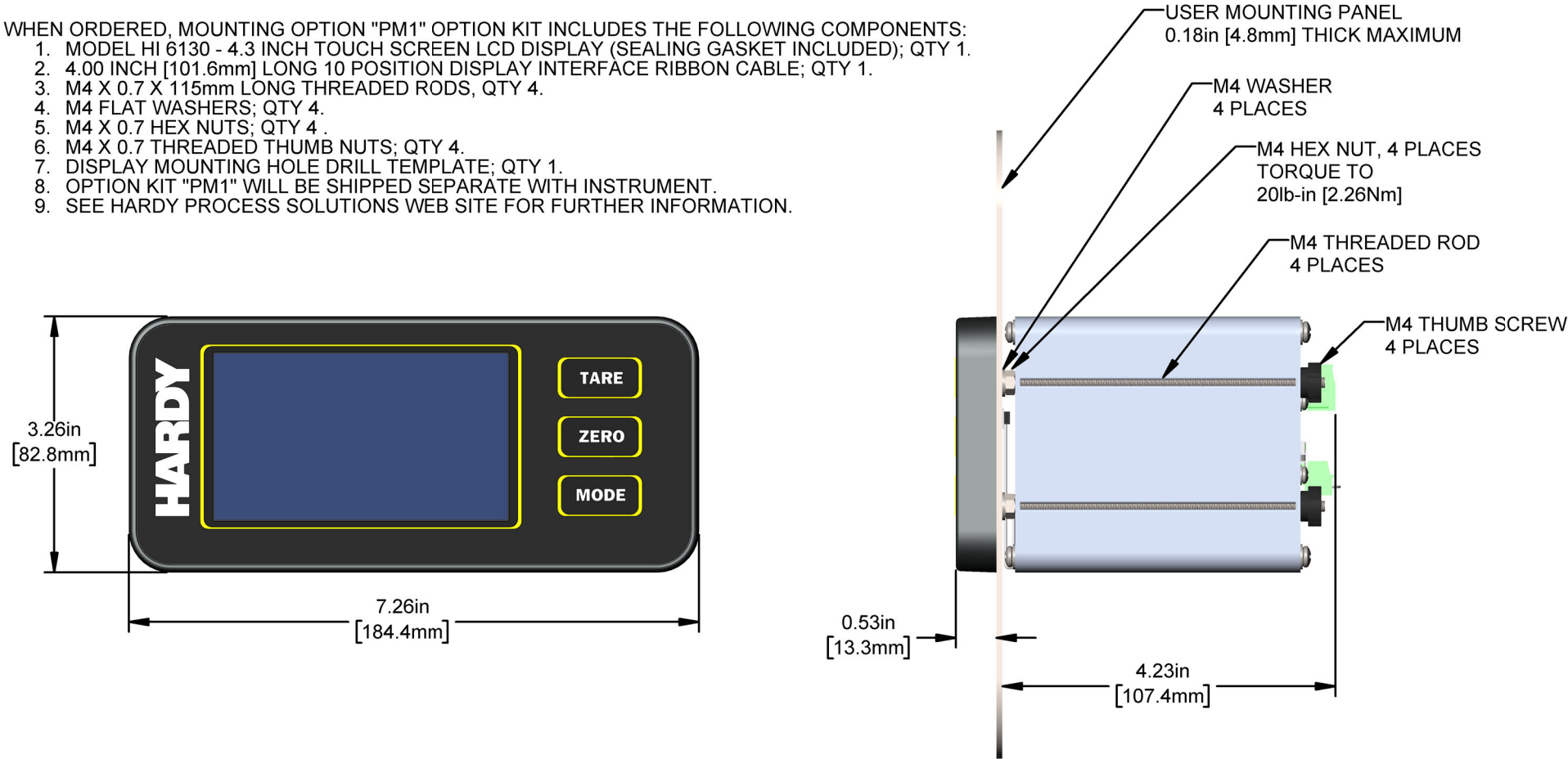
PROPRIETARY NOTICE
ALL DATA AND INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY INFORMATION OF HARDY PROCESS SOLUTIONS AND ALL RIGHTS THEREIN ARE EXPRESSLY RESERVED. BY ACCEPTING THIS MATERIAL THE RECIPIENT AGREES THAT THIS MATERIAL AND THE INFORMATION CONTAINED THEREIN IS HELD IN CONFIDENCE AND IN TRUST AND SHALL NOT BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS, EXCEPT TO MEET THE SPECIFIC PURPOSE FOR WHICH IT WAS DELIVERED.



		0584-0112	INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES			SEE NOTES	
ITEM	QTY	PART NUMBER	DESCRIPTION				COMMENTS
PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: N/A DECIMALS: .XX = ±.03 .XXX = ±.010 ANGLES ±0°, 30°		CONTRACT NO.		<div>HARDY</div> <div>PROCESS SOLUTIONS</div>			
		APPROVALS					
		DRAWN V. CHULA	DATE 10-09-23				
		CHECKED J. IBARRA	DATE 10-09-23				
		MATERIAL	APPROVED V. CHULA	DATE 10-09-23	TITLE INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES		
FINISH	ISSUED V. CHULA	DATE 10-09-23	SIZE D	FSCM 21316	DRAWING NO. 0584-0112		REV. B
	PRODUCTION	DATE	FILE NAME:0584-0112B1.SLDDRW		SCALE: NONE	SHEET 1	OF 7

HI 6800 SERIES INSTRUMENT WITH OPTION "PM1" FRONT PANEL DISPLAY

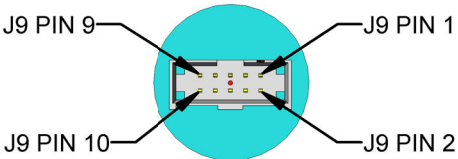
- WHEN ORDERED, MOUNTING OPTION "PM1" OPTION KIT INCLUDES THE FOLLOWING COMPONENTS:
- 1. MODEL HI 6130 - 4.3 INCH TOUCH SCREEN LCD DISPLAY (SEALING GASKET INCLUDED); QTY 1.
 - 2. 4.00 INCH [101.6mm] LONG 10 POSITION DISPLAY INTERFACE RIBBON CABLE; QTY 1.
 - 3. M4 X 0.7 X 115mm LONG THREADED RODS, QTY 4.
 - 4. M4 FLAT WASHERS; QTY 4.
 - 5. M4 X 0.7 HEX NUTS; QTY 4.
 - 6. M4 X 0.7 THREADED THUMB NUTS; QTY 4.
 - 7. DISPLAY MOUNTING HOLE DRILL TEMPLATE; QTY 1.
 - 8. OPTION KIT "PM1" WILL BE SHIPPED SEPARATE WITH INSTRUMENT.
 - 9. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR FURTHER INFORMATION.



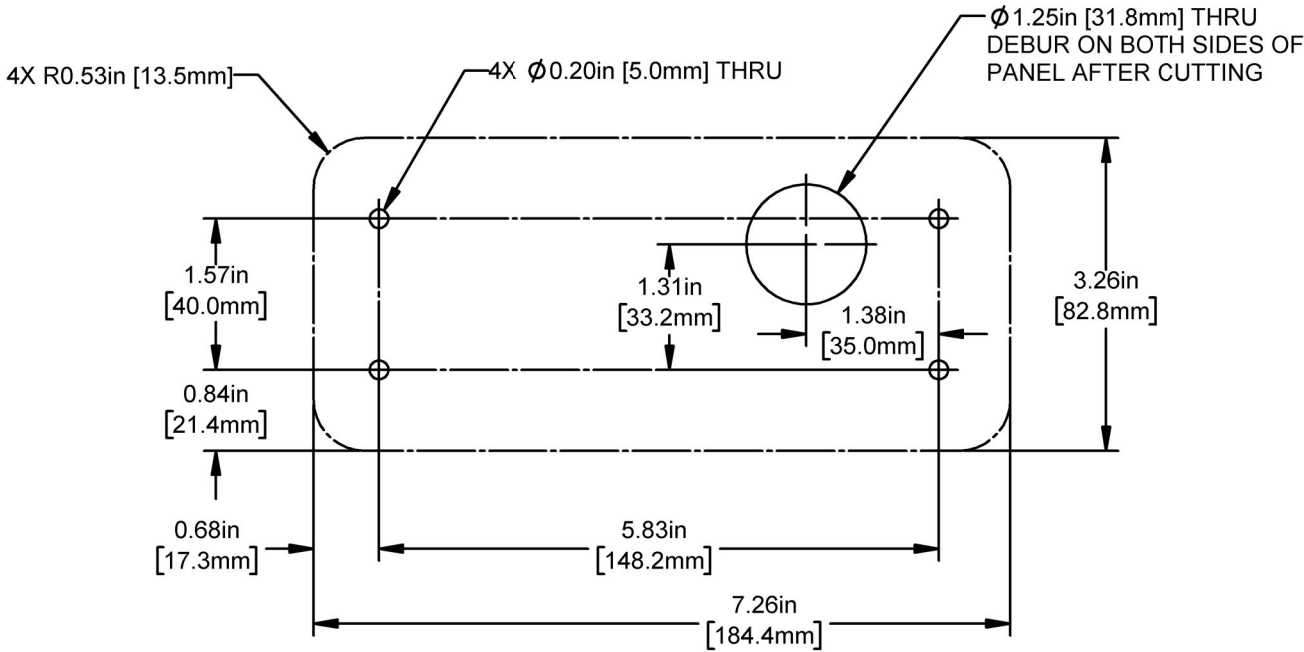
** IF THE DISPLAY IS TO BE MOUNTED REMOTELY FROM THE INSTRUMENT, USE M4 X 0.7 THREADED SCREW LENGTH OF 0.300 INCH [7.62mm] MAXIMUM PLUS THE MOUNTING PANEL THICKNESS

FRONT PANEL DISPLAY TERMINATIONS

- NOTES:
- 1. INPUT VOLTAGE RATING: 12-24 VDC, 1.4 WATTS MAXIMUM.
 - 2. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON FRONT PANEL DISPLAY TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
 - 3. CONNECTOR J9 UTILIZES A 4.00 INCH [101.6mm] LONG 10 POSITION DISPLAY INTERFACE RIBBON CABLE THAT IS SHIPPED WITH THE HI 6800 SERIES INSTRUMENT WHEN OPTION "PM1" IS ORDERED.



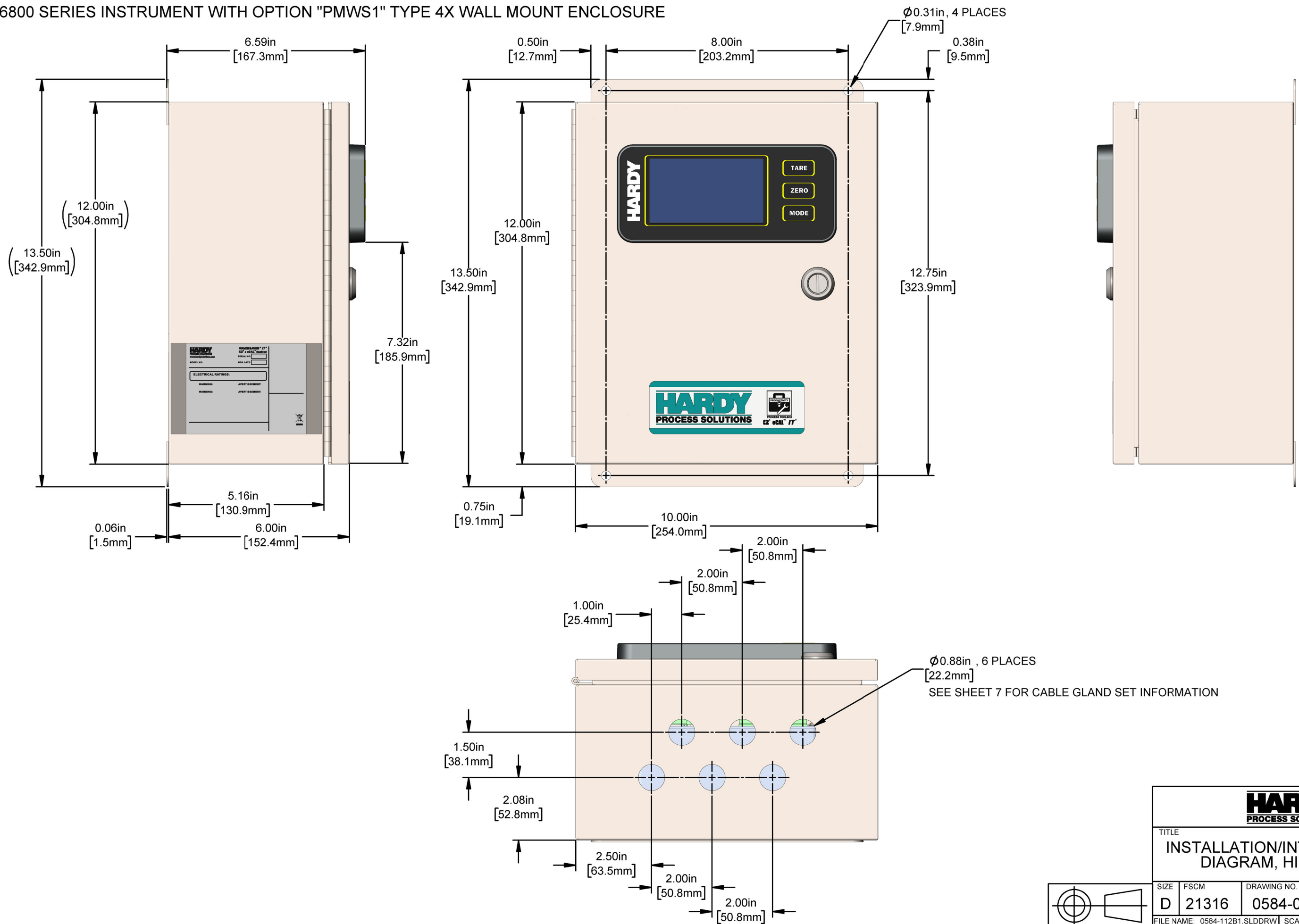
VIEW A
SCALE 2 : 1



HI 6130 SERIES FRONT PANEL DISPLAY MOUNTING DIMENSIONS
(VIEWED FROM THE FRONT OF THE INSTRUMENT)

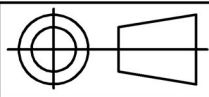
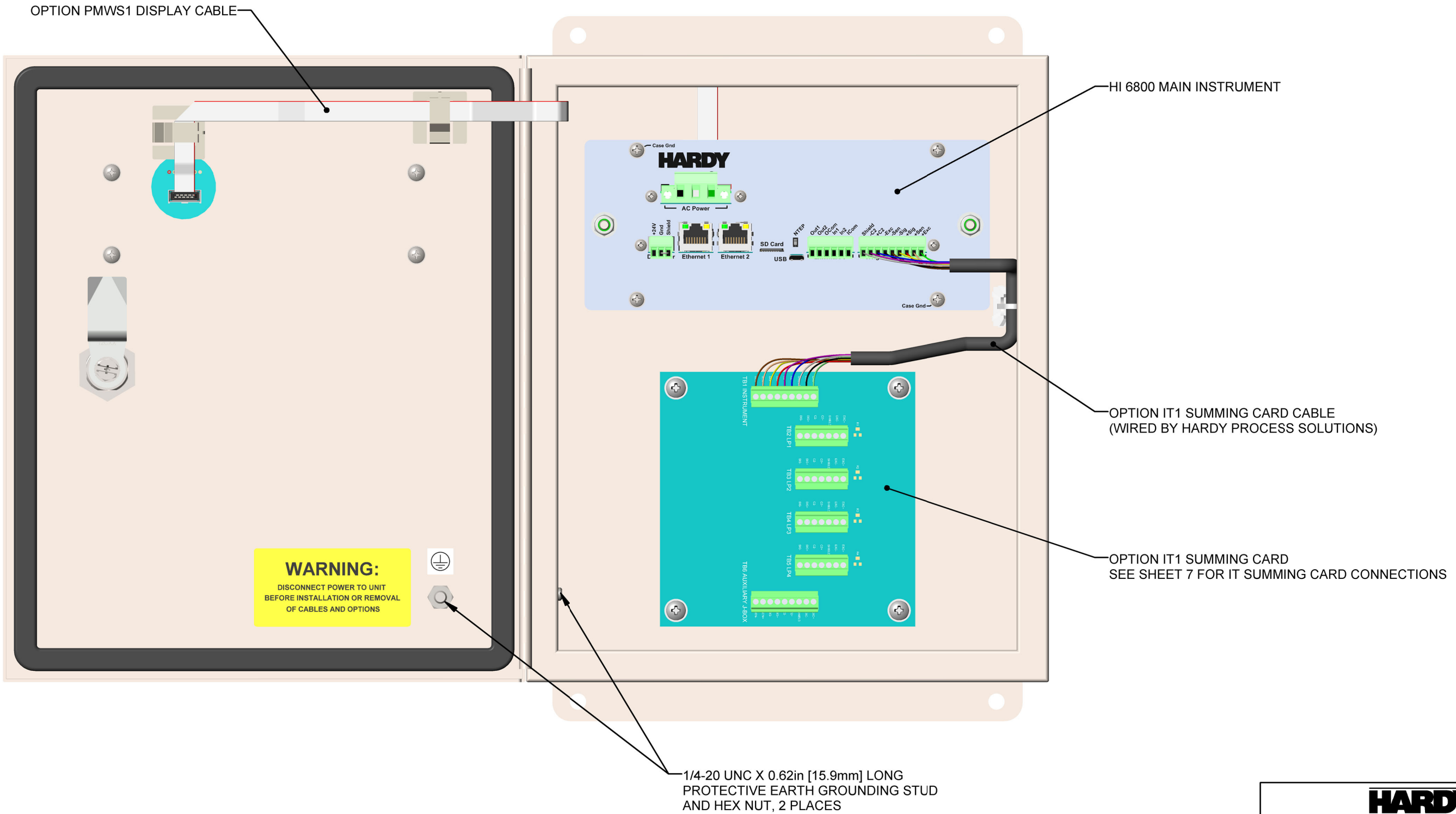
J9 CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	V+
2	V+
3	CHASSIS GND
4	TXD-
5	TXD+
6	NO CONNECTION
7	RXD+
8	RXD-
9	GND
10	GND
RIBBON CABLE CONNECTOR	

HI 6800 SERIES INSTRUMENT WITH OPTION "PMWS1" TYPE 4X WALL MOUNT ENCLOSURE



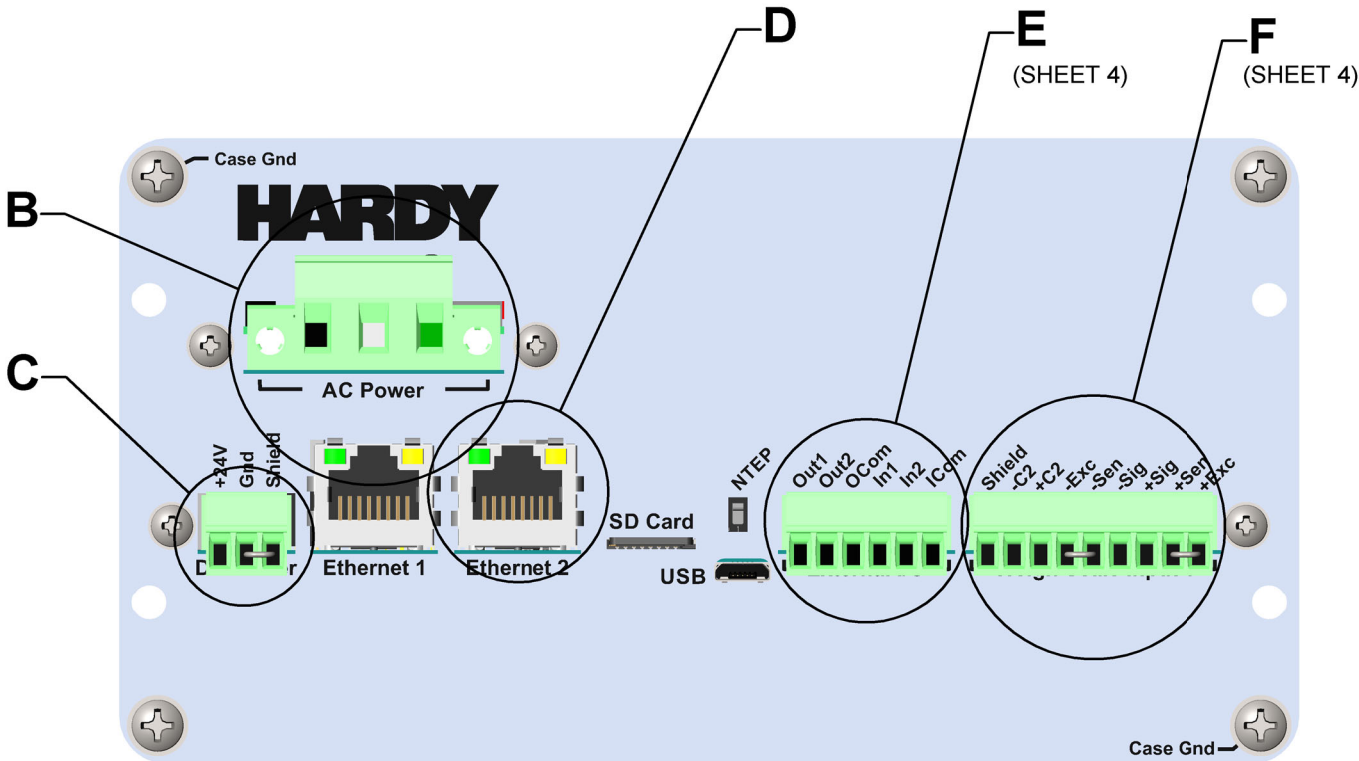
			
TITLE			
INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES			
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0112	B
FILE NAME: 0584-112B1.SLDDRW		SCALE: NONE	SHEET 3 OF 7

HI 6800 SERIES INSTRUMENT WITH OPTION "PMWS1" TYPE 4X WALL MOUNT ENCLOSURE - INTERNAL COMPONENTS



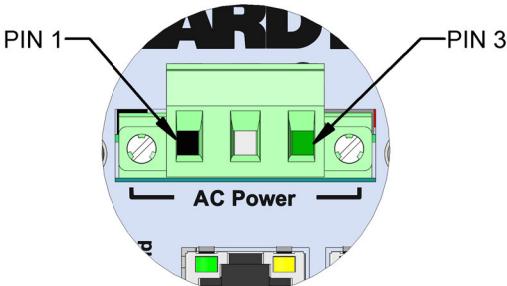
HARDY PROCESS SOLUTIONS			
TITLE INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES			
SIZE D	FSCM 21316	DRAWING NO. 0584-0112	REV. B
FILE NAME: 0584-112B1.SLDDRW		SCALE: NONE	SHEET 4 OF 7

HI 6800 SERIES INSTRUMENT USER INTERFACE PANEL CONNECTIONS



OPTION "AC" POWER INPUT TERMINATIONS

- NOTES:
1. INPUT VOLTAGE RANGE: 100-240 VAC, 50/60 Hz, 0.75-0.50 AMP.
 2. TERMINAL BLOCK WIRE SIZE RANGE: 12 AWG MAXIMUM / 24 AWG MINIMUM.
 3. WIRE TEMPERATURE RATING TO BE 90° C.
 4. WIRE TIGHTENING TORQUE: 5.0 LB-IN / 7.0 LB-IN [0.56 Nm / 0.79 Nm].
 5. USE COPPER CONDUCTORS ONLY.

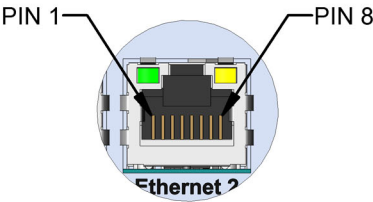


VIEW B
SCALE 2 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	LINE
2	NEUTRAL
3	EARTH

ETHERNET TERMINATIONS (BOTH PORTS)

- NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ETHERNET TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
 2. CONNECTOR TYPE: RJ-45, 8 PIN; QTY 2.

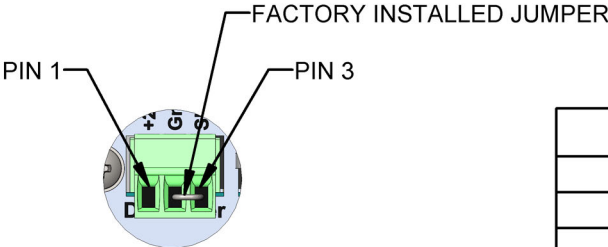


VIEW D
SCALE 2 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	TX+
2	TX-
3	V+
4	GND
5	GND
6	V+
7	RX+
8	RX-

OPTION "DC" POWER INPUT TERMINATIONS

- NOTES:
1. CLASS 2 INPUT VOLTAGE RANGE [24 VDC NOMINAL]: 12-24 VDC, 3 WATTS NOMINAL.
 2. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
 3. WIRE TEMPERATURE RATING TO BE 90° C.
 4. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
 5. USE COPPER CONDUCTORS ONLY.



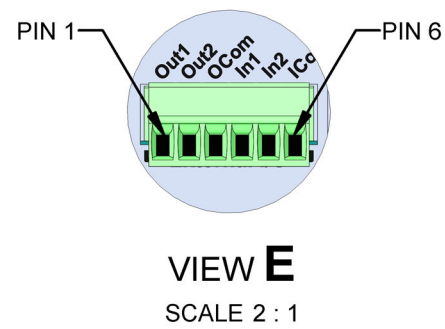
VIEW C
SCALE 2 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	+24V IN
2	GND
3	SHIELD

HI 6800 SERIES INSTRUMENT USER INTERFACE PANEL CONNECTIONS

DIGITAL I/O TERMINATIONS

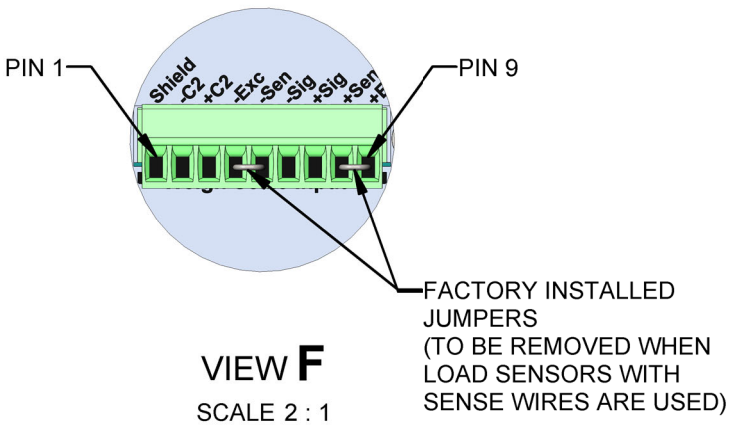
- NOTES:
- 1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON DIGITAL I/O TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
 - 2. DO NOT BUNDLE DIGITAL I/O WIRING WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
 - 3. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
 - 4. WIRE TEMPERATURE RATING TO BE 90° C.
 - 5. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
 - 6. USE COPPER CONDUCTORS ONLY.



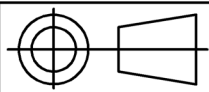
CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	OUT1
2	OUT2
3	OUT COMMON
4	IN1
5	IN2
6	IN COMMON

WEIGH SCALE INPUT TERMINATIONS

- NOTES:
- 1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
 - 2. IF CONDUIT IS USED, DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN SAME CONDUIT WITH, POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
 - 3. FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE ONLY FOR FOUR WIRE NON C2 LOAD CELL CONNECTION. JUMPERS TO BE REMOVED FOR SIX WIRE NON C2 OR EIGHT WIRE C2 LOAD CELL CONNECTIONS, AND WHEN USED WITH OPTION IT1.
 - 4. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
 - 5. WIRE TEMPERATURE RATING TO BE 90° C.
 - 6. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
 - 7. USE COPPER CONDUCTORS ONLY.



CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	SHIELD
2	-C2
3	+C2
4	-EXC
5	-SEN
6	-SIG
7	+SIG
8	+SEN
9	+EXC

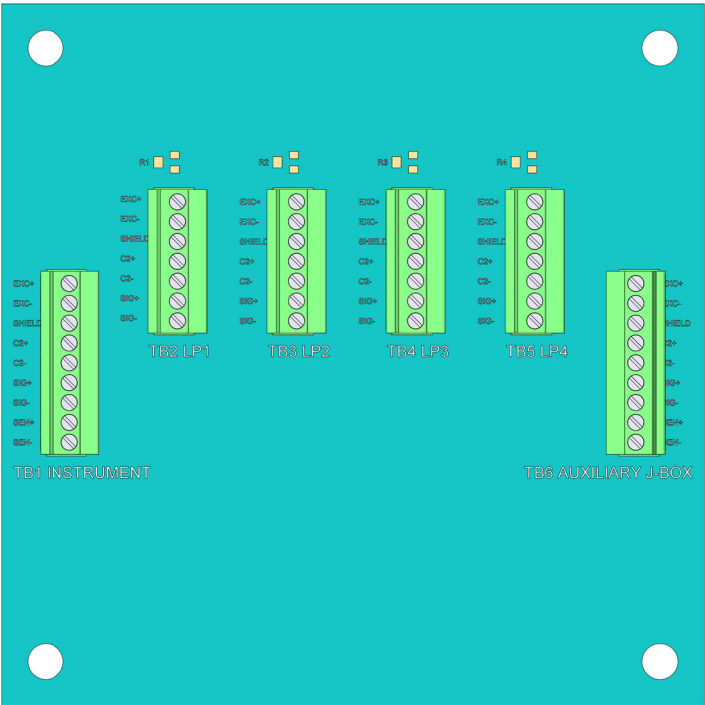


HARDY PROCESS SOLUTIONS			
TITLE INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES			
SIZE D	FSCM 21316	DRAWING NO. 0584-0112	REV. B
FILE NAME: 0584-112B1.SLDDRW		SCALE: NONE	SHEET 6 OF 7

HI 6800 SERIES OPTION CODE "IT1"

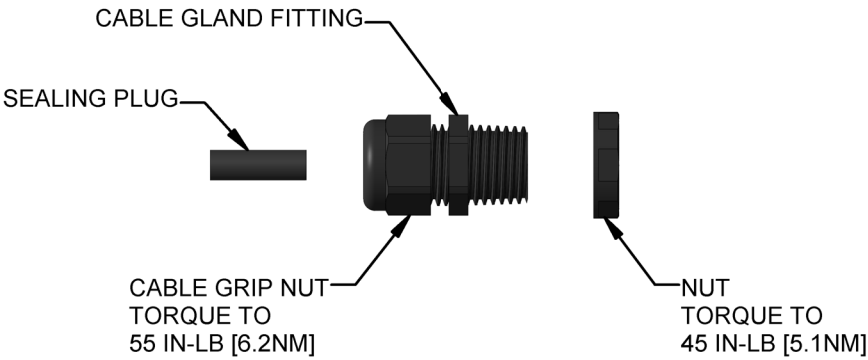
OPTION IT1 SUMMING CARD TERMINATIONS

- NOTES:
- 1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
 - 2. IF CONDUIT IS USED, DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN SAME CONDUIT WITH, POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
 - 3. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
 - 4. WIRE TEMPERATURE RATING TO BE 90° C.
 - 5. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
 - 6. USE COPPER CONDUCTORS ONLY.
 - 7. OPTION "IT1" CAN ONLY BE ORDERED WITH TYPE 4X ENCLOSURE OPTION "PMWS1".

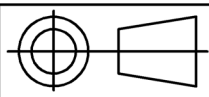
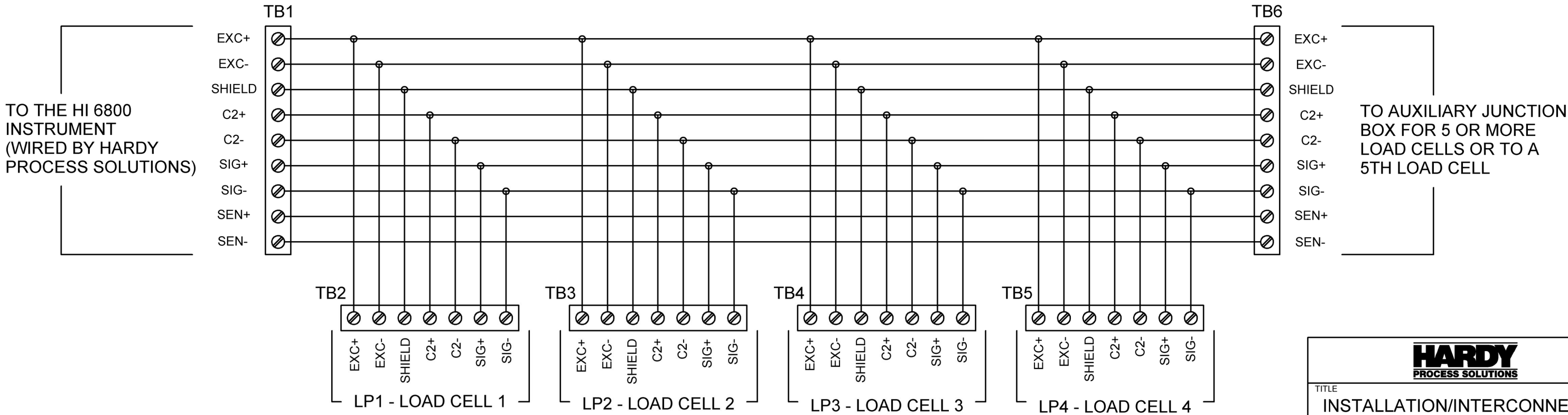


HI 6800 SERIES OPTION CODES "NSC" AND "IT1" CABLE GLAND SET

- NOTES:
- 1. OPTION NSC INCLUDES CABLE GLAND SET ONLY.
 - 2. OPTION IT1 INCLUDES IT SUMMING CARD AND CABLE GLAND SET.
 - 3. CABLE GLAND SET INCLUDES QTY 6 CABLE GLAND FITTINGS, QTY 6 NUTS AND QTY 6 SEALING PLUGS. [SEALING PLUG TO BE INSTALLED INTO CABLE FITTING WHEN SIGNAL CABLE IS NOT USED]
 - 4. CABLE GLAND SET IS PACKED SEPARATELY INSIDE ENCLOSURE.
 - 5. OPTIONS "NSC" AND "IT1" AND CAN ONLY BE ORDERED WITH TYPE 4X ENCLOSURE OPTION "PMWS1".



SUMMING CARD CABLE WIRING DIAGRAM



HARDY PROCESS SOLUTIONS			
TITLE INSTALLATION/INTERCONNECTION DIAGRAM, HI 6800 SERIES			
SIZE D	FSCM 21316	DRAWING NO. 0584-0112	REV. B
FILE NAME: 0584-112B1.SLDDRW		SCALE: NONE	SHEET 7 OF 7