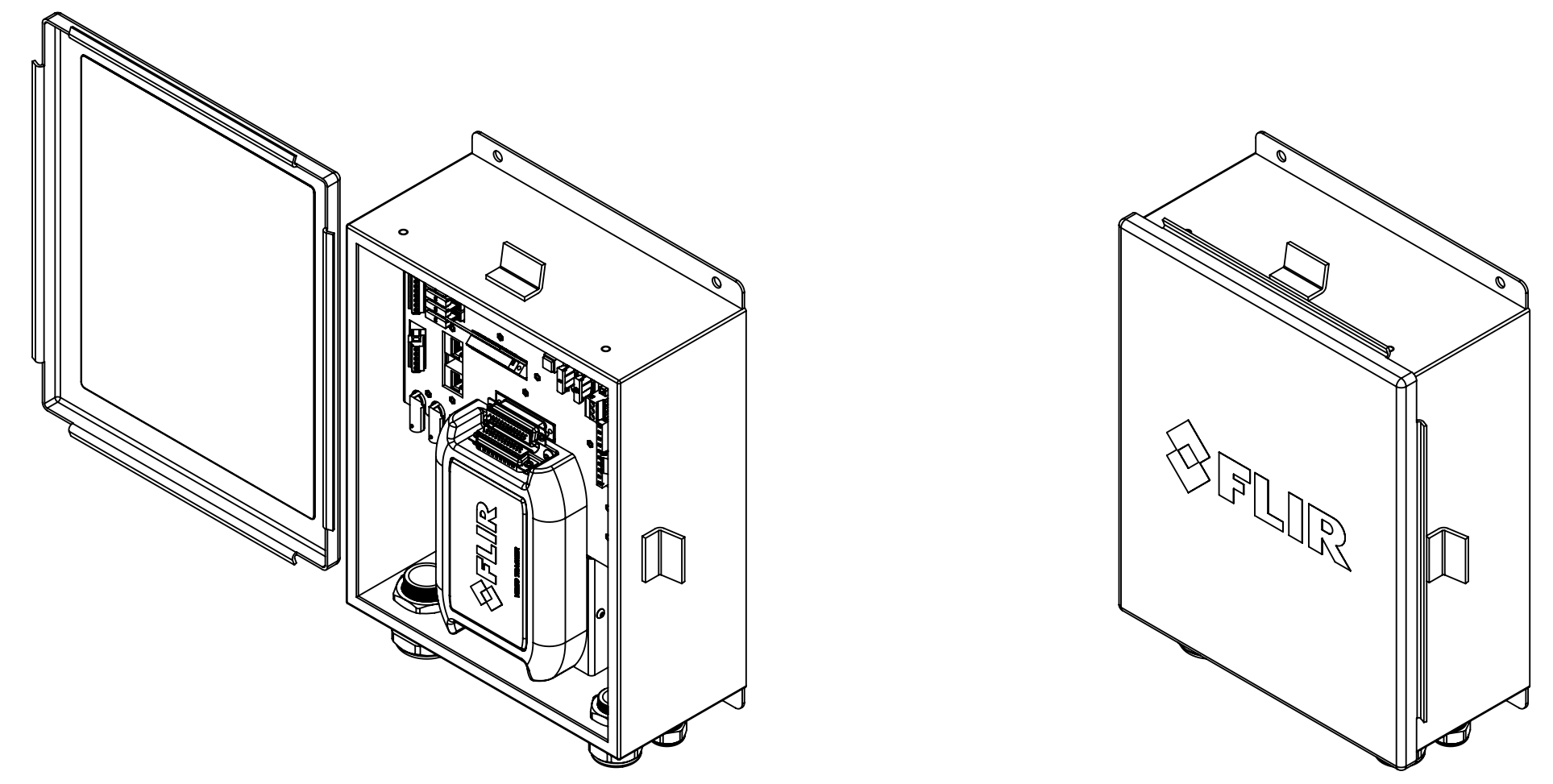
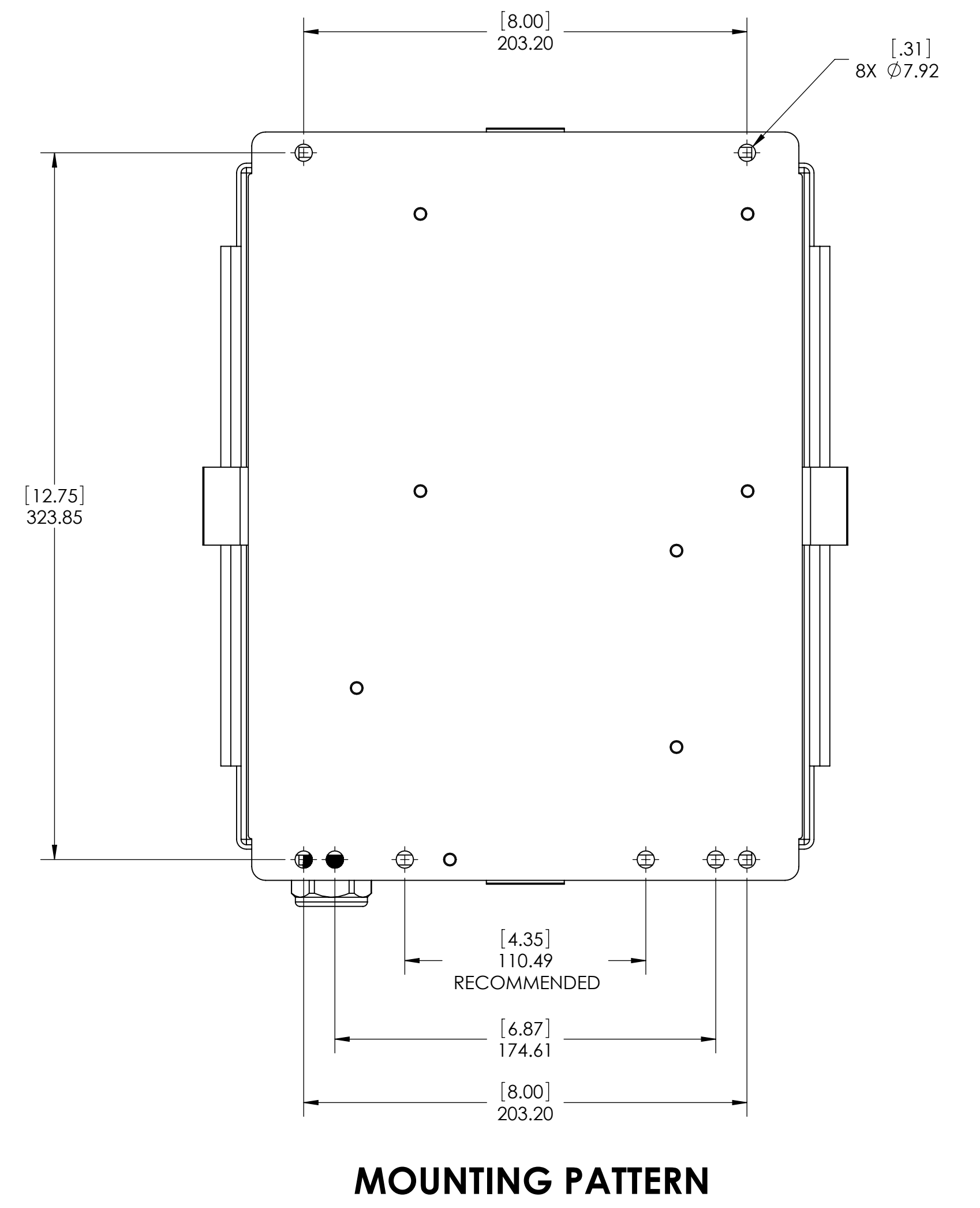
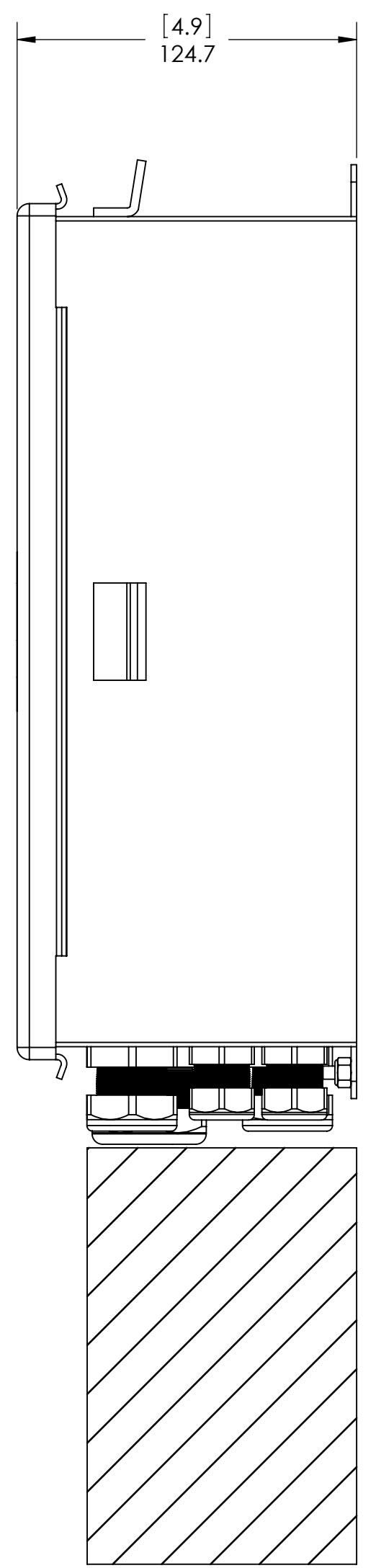
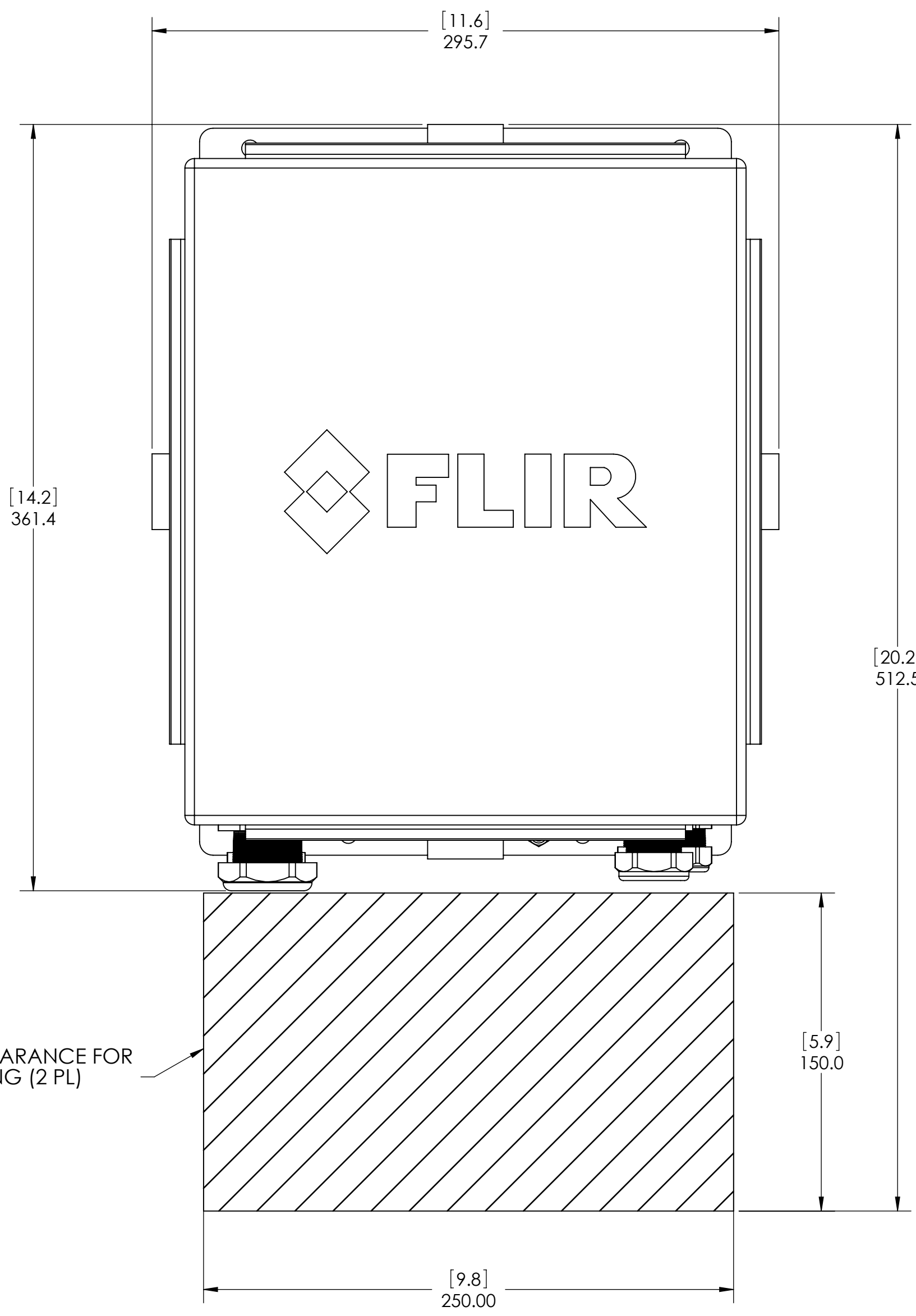


DWG NO.	500-0483-19		SH	1	REV	120
REVISIONS						
ZONE	REV	DESCRIPTION	DATE	APPROVED		
	100	RELEASE PER ECN 112254	12.3.2010			
	110	REVISED PER ECN 113229	3.3.2011			
	120	REVISE PER ECN 115204	8/31/2011			

- NOTES: UNLESS OTHERWISE SPECIFIED**
- CAMERA SYSTEM SHALL BE IDENTIFIED BY SERIALIZATION LABEL. LABEL SHALL INCLUDE BUT IS NOT LIMITED TO P/N, SERIAL No., AND CAGE CODE AS SHOWN ON SHT 1. LABEL VIEW SHOWN IS FOR REFERENCE ONLY.
 - SEE "TABLE 1" ON SHT 3 FOR AVAILABLE VOYAGER III CABLE LENGTHS AND CORRESPONDING PART NUMBERS.
 - REFERENCE VIEW ON SHT 2 SHOWS BULKHEAD BOX WITH VIDEO TRACKER INSTALLED AT J7. BYPASS COMPONENT IS REMOVED. (LID IS NOT SHOWN FOR CLARITY)
 - OBSERVE WIRE DRESSING INSTRUCTIONS FOR CABLE INSTALLATION. NOTE CONDUCTOR LABELS ON CABLES BEFORE TRIMMING TO LENGTH.
CABLE LENGTHS DEFINED IN FIGURE 1, SHT 3, APPLY AFTER TERMINATION.
VIDEO CHANNEL COAX CABLES SHALL BE RELABELLED DURING CABLE DRESSING OPERATION.
"VIDEO 1" SHALL BE RELABELLED "PRIMARY VIDEO IN"
"VIDEO 2" SHALL BE RELABELLED "SECONDARY VIDEO IN"
 - REMOVE INDICATED CABLE GLAND FROM BULKHEAD BOX PRIOR TO VOYAGER III CABLE (308-0201-00) DRESSING. OBSERVE INSTRUCTIONS FOR CABLE INSTALLATION SHOWN IN FIGURE 2, SHT 3.



THIRD ANGLE PROJECTION	THIS DOCUMENT IS CONTROLLED TO FLIR TECHNOLOGY LEVEL 1.			
	THE INFORMATION CONTAINED IN THIS DOCUMENT PERTAINS TO A DUAL USE PRODUCT CONTROLLED FOR EXPORT BY THE EXPORT ADMINISTRATION REGULATIONS (EAR). FLIR TRADE SECRETS CONTAINED HEREIN ARE SUBJECT TO DISCLOSURE RESTRICTIONS AS A MATTER OF LAW. DIVERSION CONTRARY TO US LAW IS PROHIBITED. US DEPARTMENT OF COMMERCE AUTHORIZATION IS NOT REQUIRED PRIOR TO EXPORT OR TRANSFER TO FOREIGN PERSONS OR PARTIES UNLESS OTHERWISE PROHIBITED.			
METRIC	MATERIAL	PROJECT NO.	FLIR Systems, Inc. 70 Castilian Drive Goleta, CA 93117	
INTERPRET DRAWING PER ASME Y14.5M-1994	FINISH	APPROVALS	DATE	TITLE
UNLESS OTHERWISE SPECIFIED SURFACE ROUGHNESS 0.80um X = ±1 XX = ±.5 ANGULAR = ±.5° FILLET RADII = .13 MAX	UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN () ARE INCHES. DO NOT SCALE DRAWING.	DWN S. CHAPPLE	11.30.2010	ICD - BOX - BULKHEAD VOYAGER III
		CHK		SIZE D
		DSON S. CHAPPLE	8/09	CAGE 064Y2
		ENG		DWG NO. 500-0483-19
		APP		REV 120
		SCALE 1:2	PRINTED: 9/6/2011	SHEET 1 OF 3
		SOLIDWORKS MODEL: 500-0483-00 BOX - BULKHEAD, VOYAGER III MODEL REVISION: 120-WC		

DWG NO. 500-0483-19 SH 1 REV 120

D

C

B

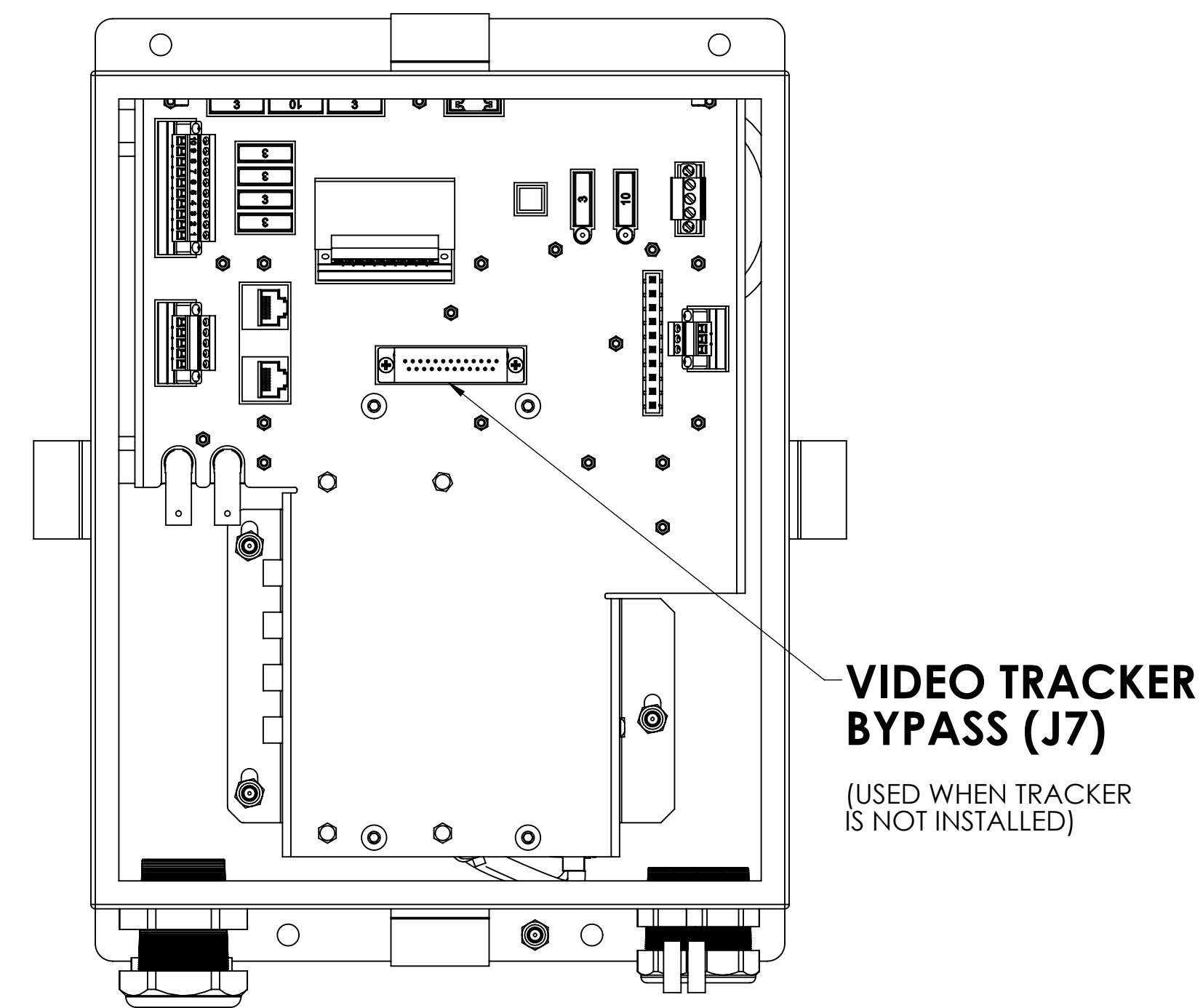
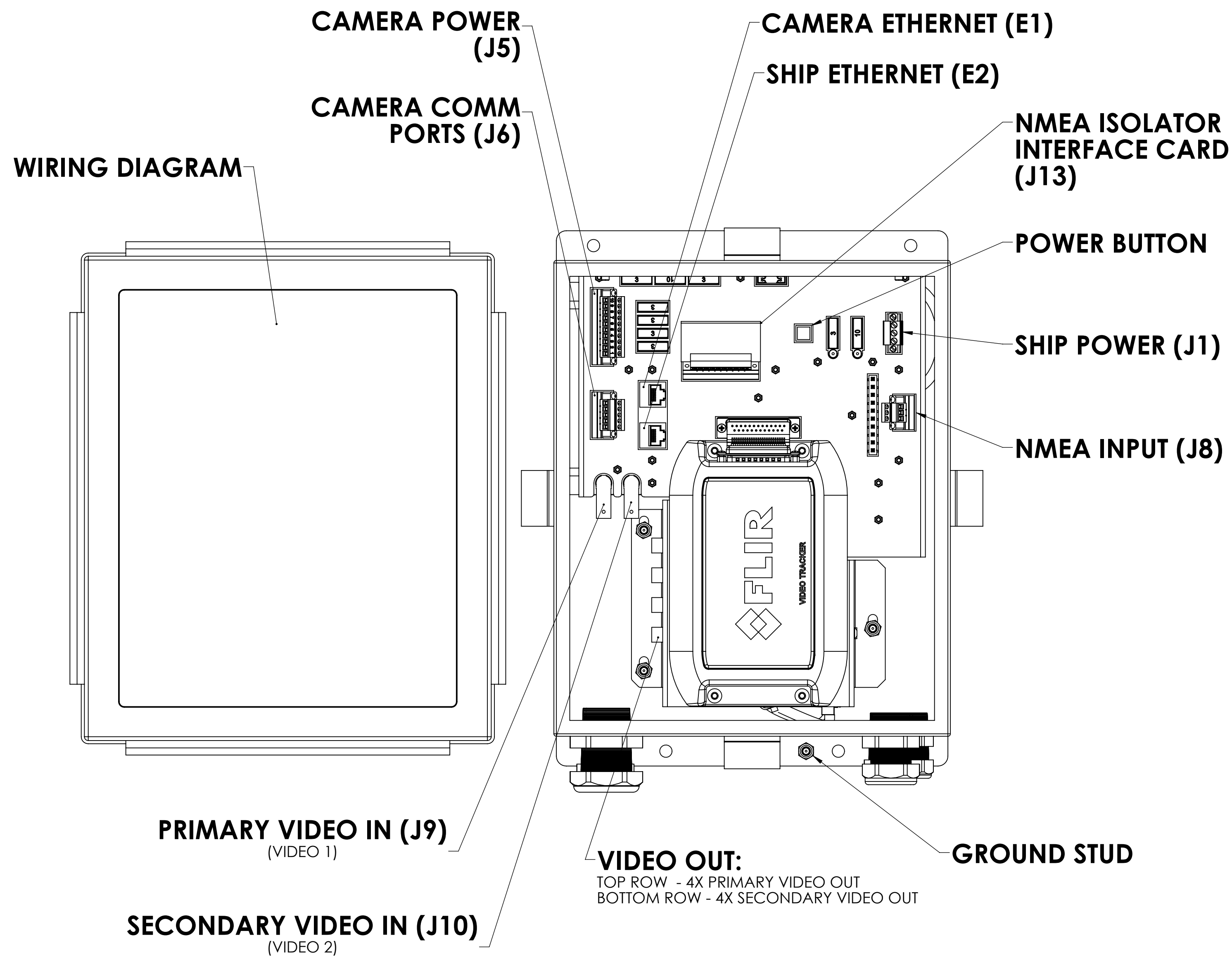
A

D

C

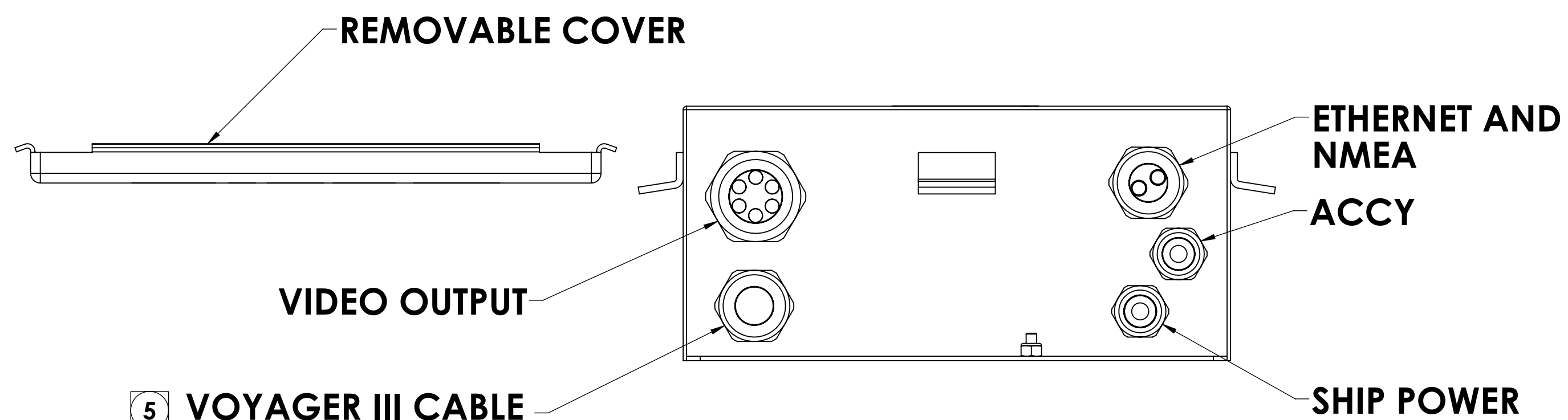
B

A



3 REFERENCE VIEW:

BULKHEAD BOX WITHOUT VIDEO TRACKER INSTALLED



5 VOYAGER III CABLE

GLAND SHALL BE INSTALLED ON CABLE BEFORE CABLE IS INSTALLED INTO BOX. SEE SHIT 3 FOR GLAND INSTALLATION PROCEDURE.

BOX - BULKHEAD
VOYAGER III

500-0438-XX-00X

SN: XXXX

Cage Code: 064Y2



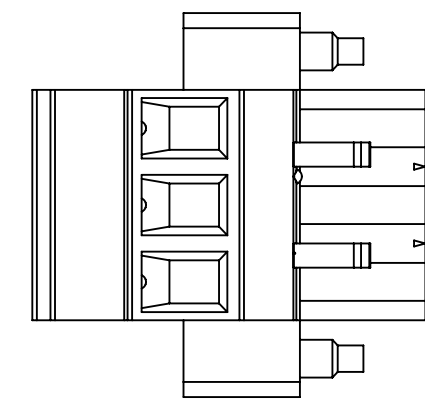
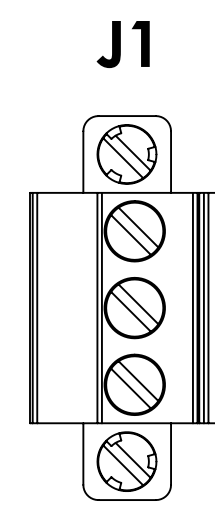
Made in USA

1 BULKHEAD BOX LABEL. VIEW FOR REFERENCE

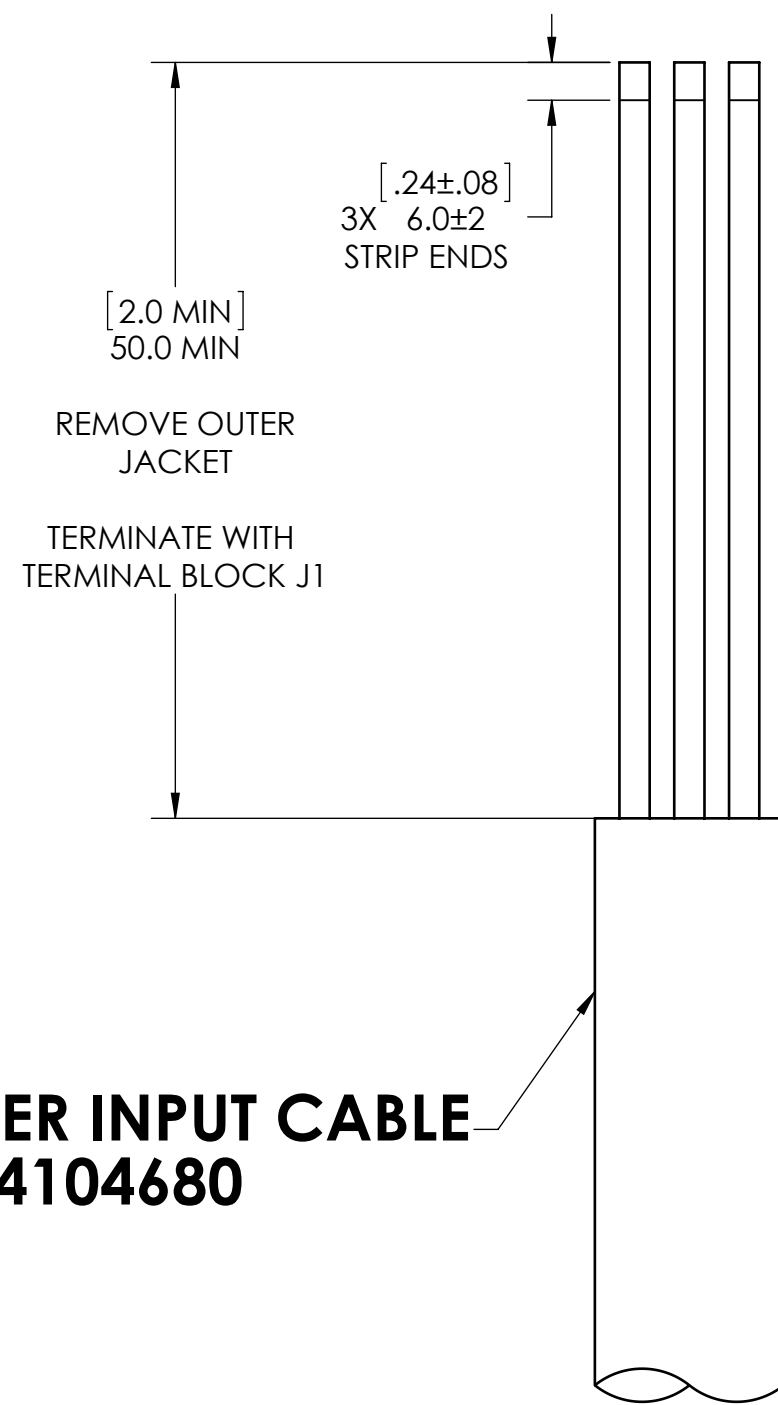
ICD - BOX - BULKHEAD VOYAGER III

SIZE	CAGE	DWG NO.	REV
D	064Y2	500-0483-19	120
SCALE 1:2		PRINTED: 9/6/2011	SHEET 2 OF 3
SOLIDWORKS MODEL: 500-0483-00 BOX - BULKHEAD, VOYAGER III			
MODEL REVISION: 120-WC			

DWG NO. 500-0483-19 SH 2 REV 120

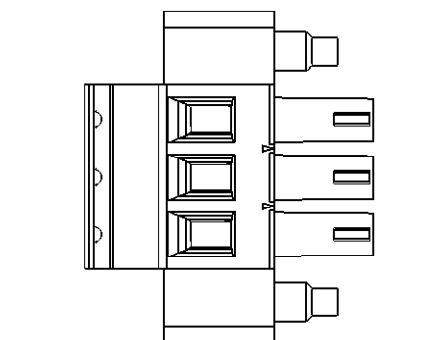
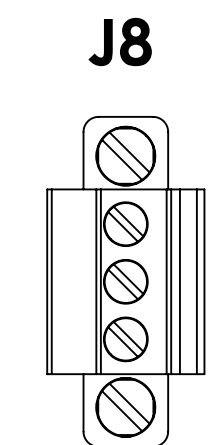


RED WIRE, (4014680) POS
BLK WIRE, (4014680) RTN
BLU WIRE, (4014680) CHASSIS

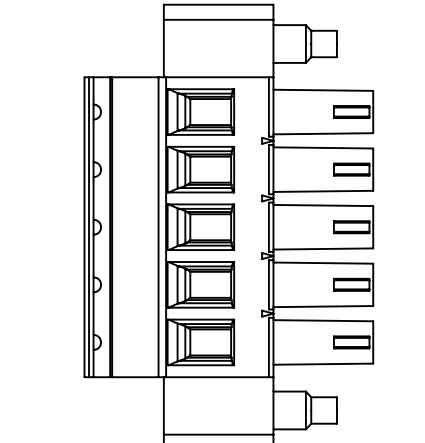
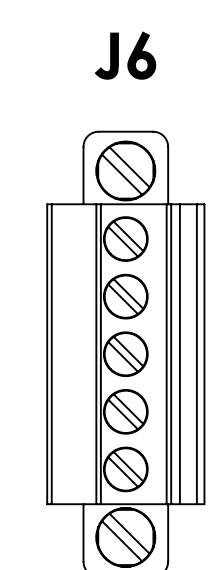


[.24±.08]
3X 6.0±2
STRIP ENDS
[2.0 MIN]
50.0 MIN
REMOVE OUTER
JACKET
TERMINATE WITH
TERMINAL BLOCK J1

4 POWER INPUT CABLE 4104680

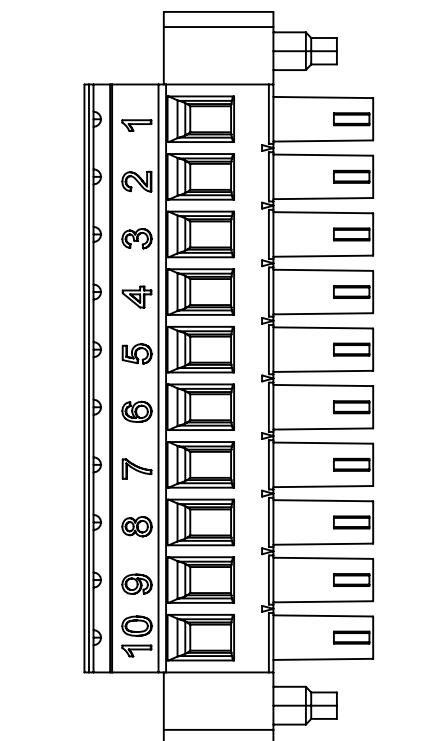
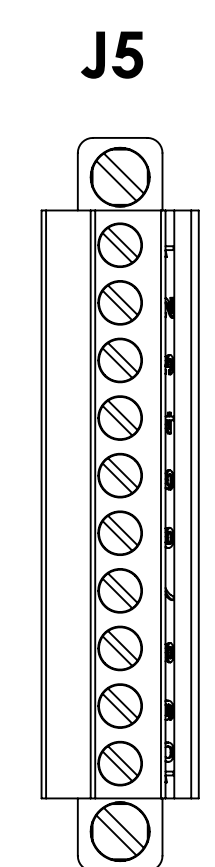


NMEA ACCY (+) RX+
NMEA ACCY (-) RX-
NMEA ACCY GND SIG RTN



BLU WIRE, (308-0201-XXX) LABELED "M"
WHT/BLU WIRE, (308-0201-XXX) LABELED "P"
WHT/ORN WIRE, (308-0201-XXX) LABELED "N"
ORN WIRE, (308-0201-XXX) LABELED "R"
GRN WIRE, (308-0201-XXX) LABELED "c"

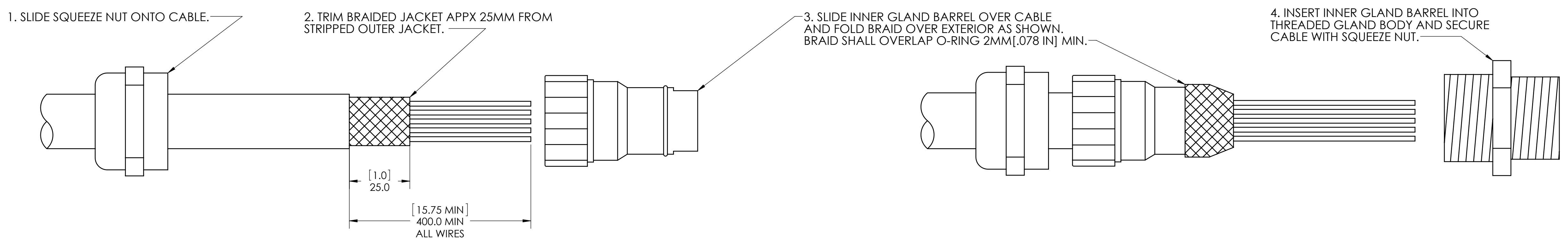
WIRE DESCRIPTION:
CLEAR JACKET WITH BRAID
& CONDUCTOR
TRIM WHT/GRN WIRE TO
STRIPPED JACKET
TRIM BRAID TO END AT
STRIPPED JACKET



BLK WIRE, (308-0201-XXX) LABELED "b"
BLK WIRE, (308-0201-XXX) LABELED "h"
BLK WIRE, (308-0201-XXX) LABELED "z"
BLK WIRE, (308-0201-XXX) LABELED "a"
NC
NC
RED WIRE, (308-0201-XXX) LABELED "j"
WHT WIRE, (308-0201-XXX) LABELED "f"
GRN WIRE, (308-0201-XXX) LABELED "g"
GRY WIRE, (308-0201-XXX) LABELED "w"

WIRE DESCRIPTION:
4X TWISTED PAIR
WHT JACKETS WITH BRAID
TRIM BRAID TO END AT
STRIPPED JACKET

4 5 FIGURE 2: EMI CABLE GLAND INSTALLATION PROCEDURE: (NOT TO SCALE)

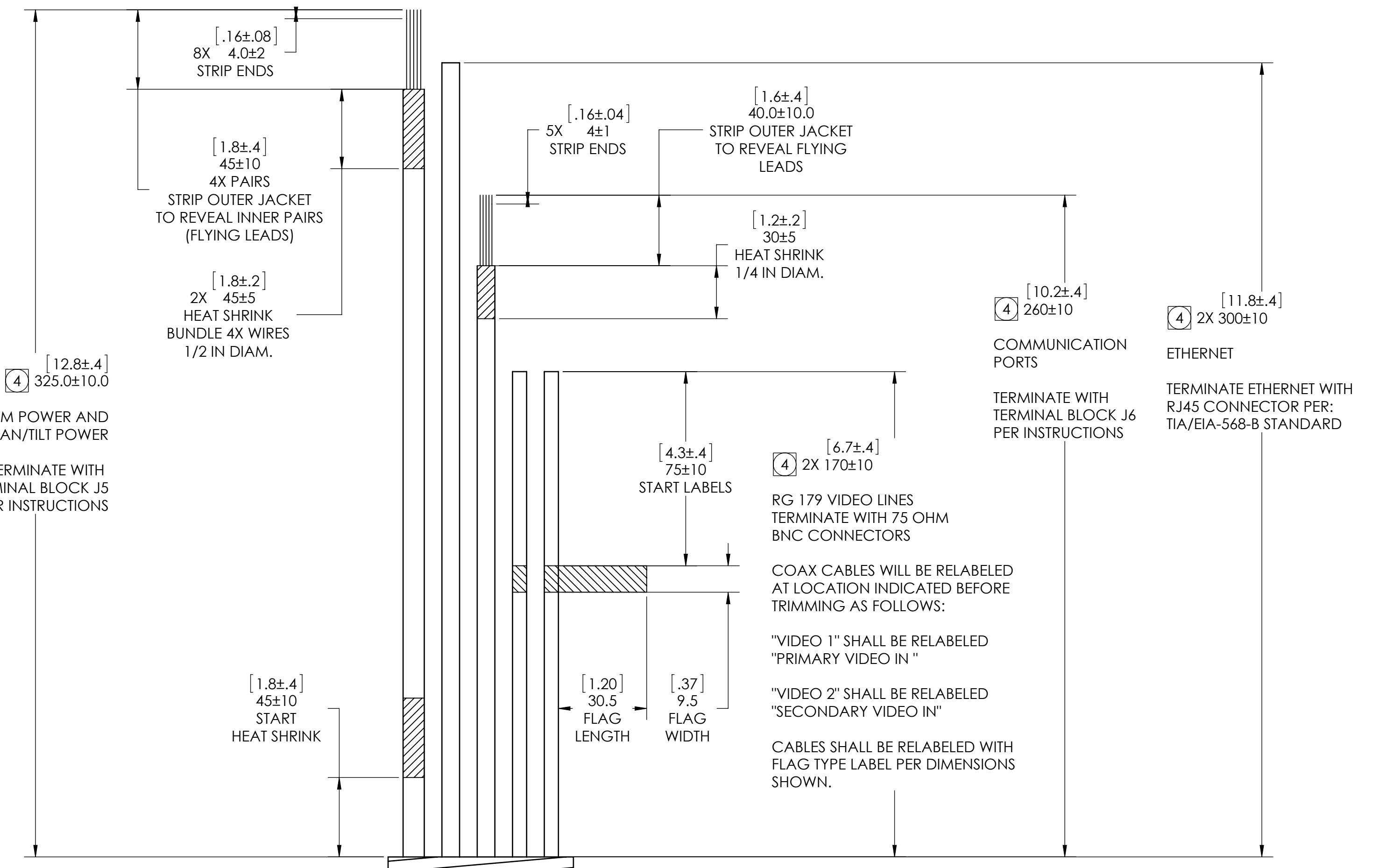


1. SLIDE SQUEEZE NUT ONTO CABLE.

2. TRIM BRAIDED JACKET APPX 25MM FROM STRIPPED OUTER JACKET.

3. SLIDE INNER GLAND BARREL OVER CABLE AND FOLD BRAID OVER EXTERIOR AS SHOWN. BRAID SHALL OVERLAP O-RING 2MM [.078 IN] MIN.

4. INSERT INNER GLAND BARREL INTO THREADED GLAND BODY AND SECURE CABLE WITH SQUEEZE NUT.



4 FIGURE 1: CABLE DRESSING LENGTHS

ALL LENGTHS APPLY AFTER TERMINATION.

VOYAGER III CABLE 308-0201-XXX

2 TABLE 1

308-0201-50	50 FT ± 6 IN
308-0201-100	100 FT ± 6 IN
308-0201-150	150 FT ± 6 IN
308-0201-200	200 FT ± 6 IN
308-0201-225	225 FT ± 6 IN

4 5 TERMINATION PROCEDURE:

1. REMOVE INDICATED CABLE GLAND FROM ENCLOSURE AND INSTALL ON CABLE BEFORE CUTTING CABLES TO LENGTH.
2. INSTALL CABLE GLAND ONTO CABLE FOLLOWING THE "EMI CABLE GLAND PROCEDURE" SHOWN BELOW (ZONES A8-A2). BRAIDED JACKET SHALL INTERFACE WITH GLAND PER PROCEDURE.

CABLE GLAND SHALL BE INSTALLED SUCH THAT A MINIMUM OF 400MM [15.75 IN] EXPOSED LENGTH FOR WIRES IS AVAILABLE FOR TRIMMING PER THE FOLLOWING INSTRUCTIONS.
4. CUT AND TERMINATE CABLES TO LENGTH AS SHOWN ABOVE.

ALL LENGTHS INCLUDE CONNECTORS. CONNECTORS NOT SHOWN FOR CLARITY.

TERMINATE WITH CONNECTORS AND TERMINAL BLOCKS AS INDICATED. ALL CONNECTIONS SHALL BE MADE PER MFG RECOMMENDATIONS
5. INSTALL TERMINATED CABLE INTO BOX. INSTALL CABLE GLAND NUT OVER CABLES AND TIGHTEN BEFORE MAKING FINAL CONNECTIONS IN BOX.

NOTE: TERMINATIONS WITH SCREW TERMINAL CONNECTORS (J5 AND J6) MAY BE MADE AFTER THE CABLE GLAND NUT HAS BEEN INSTALLED AND TIGHTENED.

ICD - BOX - BULKHEAD VOYAGER III