REV	DESCRIPTION	DATE	APPROVED
E	CN601467	2025-01-21	SRC

NOTES: UNLESS OTHERWISE SPECIFIED

1. LINKALIGN-360AZR-10 CONFIGURABLE OPTIONS PER TABLE I. PART NUMBER LA-360AZR-10-100 SHOWN THROUGHOUT THIS DRAWING. PoE CABLE SHOWN NOT TO SCALE
2. USE INTERFACE CONTROL DRAWING IN CONJUNCTION WITH DATASHEET N500110
3. 48-56VDC POWER SUPPLY INCLUDED WITH POSITIONER. NOT SHOWN IN DRAWING
4. POSITIONER POWERED BY POWER OVER ETHERNET 50-57 VDC, 4 PAIR, PASSIVE (INDOOR RATED 50 VDC POWER SUPPLY INCLUDED WITH POSITIONER. NOT SHOWN IN DRAWING). STANDBY POWER DRAWS LESS THAN 10 W. MAXIMUM POWER DRAW, 60 W
5. EXTERNAL CONSTRUCTION COMPRISED OF HARD COAT ANODIZED ALUMINUM WITH STAINLESS STEEL HARDWARE
6. 440° (+/-220°) AZIMUTH TRAVEL WITH 4.5°/SEC DRIVE RATE (NO LOAD). ANTENNA POINTS IN THE SAME DIRECTION AS ARROWS SHOWN IN DETAIL D, SHEET 3
7. -22° TO 140°F (-30° TO 60°C) OPERATIONAL TEMPERATURE RANGE. -40° TO 158°F (-40 TO 70°C) NON-OPERATIONAL TEMPERATURE RANGE
8. 0.1° FEEDBACK RESOLUTION
9. BACKLASH LESS THAN 0.25°
10. 14.85" (37.1 cm) HIGH X 7.75" (19.7 cm) WIDE X 10.00" (25.4 cm) DEEP
11. WEIGHT APPROXIMATELY 13.5 LBS (6.1 kg) NOT INCLUDING PoE CABLE
12. PAYLOAD SHALL NOT EXCEED 60 LBS (27.2 kg) ON INDICATED MAST
13. RADIO OR AUXILIARY EQUIPMENT MOUNTING FEATURES. 20 LBS MAX
14. CENTER OF GRAVITY 0.2" (0.5 cm) IN THE X-DIRECTION, 5.0" (12.7 cm) IN THE Y-DIRECTION AND 0.5" (1.3 cm) IN THE Z-DIRECTION. X & Z MEASURED FROM THE CENTER OF THE 2.00" DIAMETER MOUNTING POLE
15. FOR PERMANENT INSTALLATIONS, IT IS RECOMMENDED THAT THE (2) INDICATED 5/16-18 THREADED KNOBS BE REPLACED WITH (2) 5/16-18 X 1.000" LONG STAINLESS STEEL HEX HEAD FASTENERS. HARDWARE PROVIDED WITH UNIT. TORQUE TO 132 IN-LBS
16. POSITIONER IS AT AZIMUTH PEDESTAL 0° WHEN INDICATED FASTENER IS AT POSITION SHOWN WITH CLAMPING KNOBS IN THE FRONT
17. POSITIONER CLAMPS TO STANDARD 2" OUTSIDE DIAMETER MAST (NOT INCLUDED)
18. 5/16" QUICK RELEASE PIN TO SECURE POSITIONER TO MAST AND PREVENT ROTATION

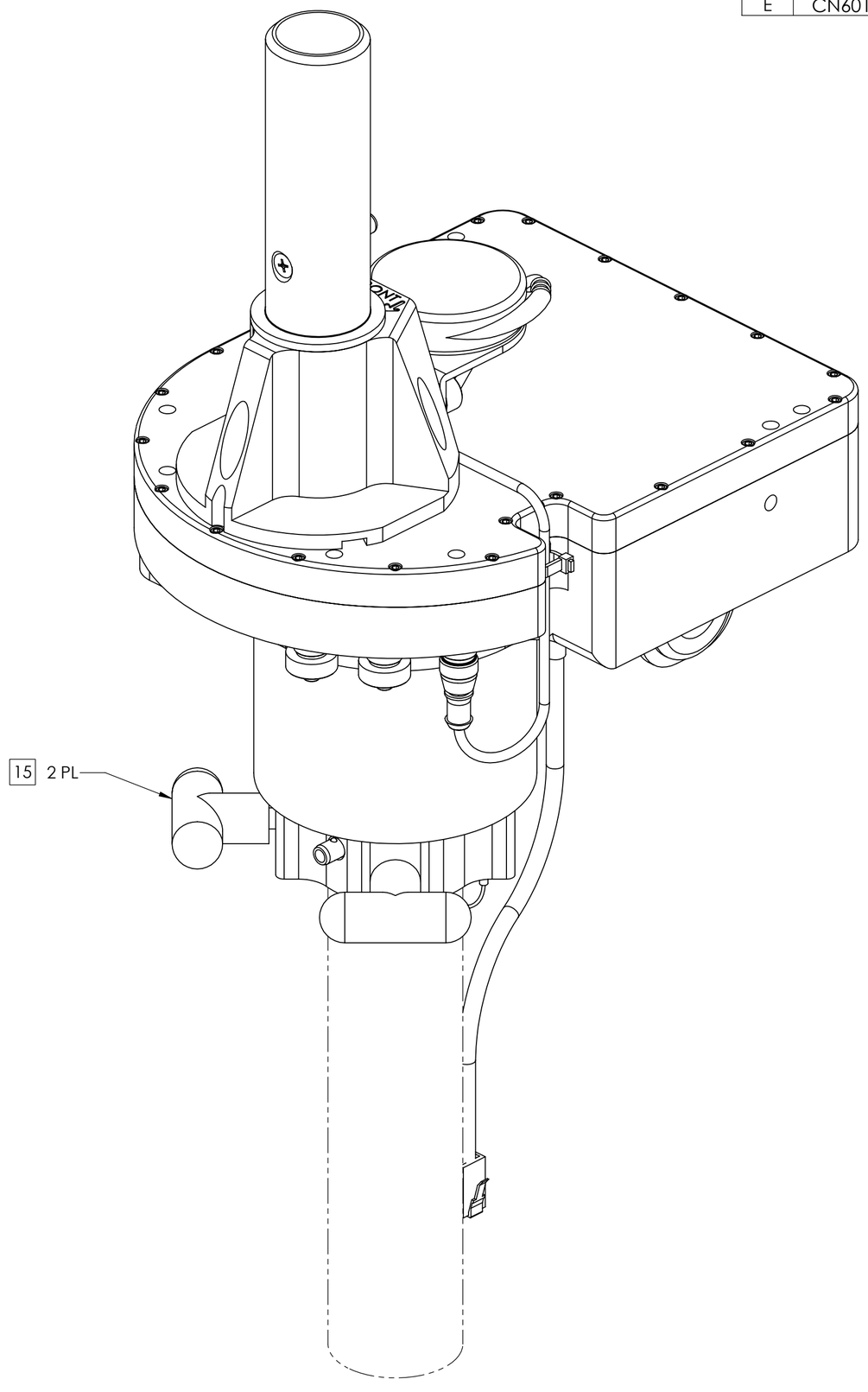

TABLE I

BUILDING A PART NUMBER ***STANDARD OPTIONS***

LA-360AZR - 10 - ____ - 100 <<EXAMPLE

SHIELDED ETHERNET CABLE STANDARD LENGTHS
- 050 = 50 ft
- 100 = 100 ft
- 150 = 150 ft
- 200 = 200 ft
- 250 = 250 ft
- 300 = 300 ft
- XXX = Custom length in feet
- XXXC = Add "C" to end of cable length for unterminated mating connector

CUSTOM CONFIGURATION
= Standard options - leave blank

POSITIONER TORQUE, DRIVE RATE AND PAYLOAD
10 = Az travel @ 4.5°/s, 60 lb payload

MODEL
LA-360AZR = LinkAlign-360AZR (+/- 220° azimuth)

SYMBOL KEY
NOTE PL ITEMS

PROPRIETARY AND CONFIDENTIAL
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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLE ± .5 DEGREES
TWO PLACE DECIMAL ±.030
THREE PLACE DECIMAL ±.010
INTERPRET DIM AND TOL PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

DRAWN	S. CHEYNE	2015-06-08
CHECKED	C. CHEYNE	2018-07-30
ME APPR.	S. CHEYNE	2015-06-08
EE APPR.		

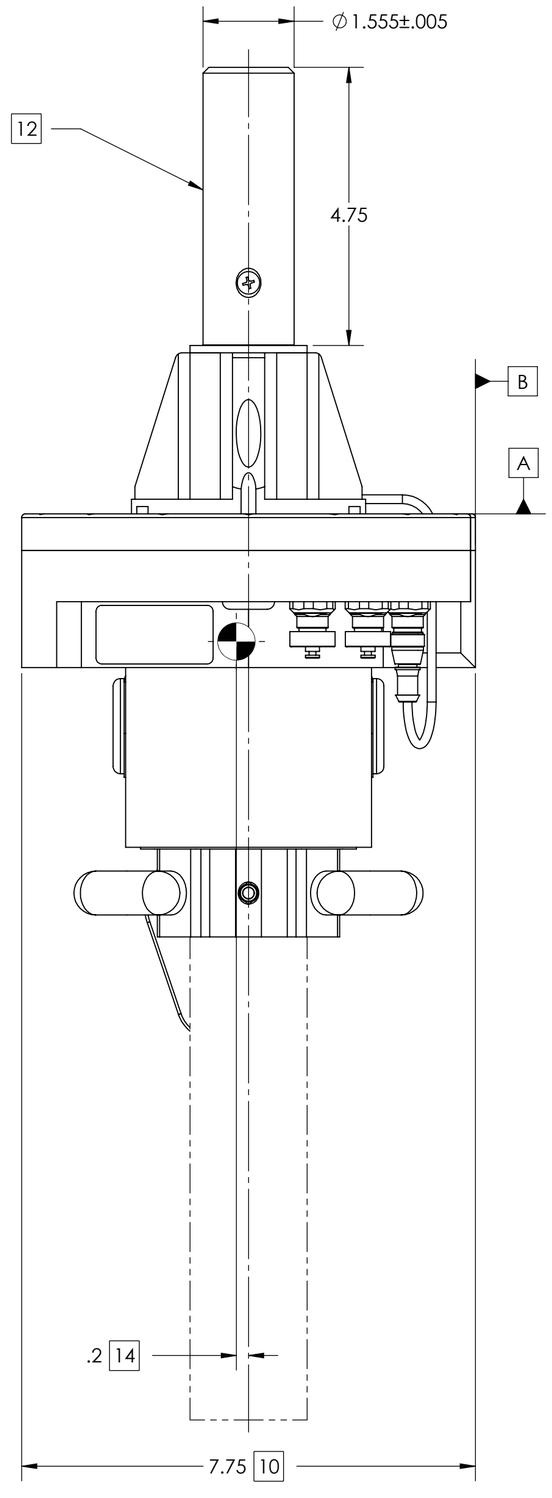
PART NO.
SEE TABLE I

NEXTMOVE TECHNOLOGIES

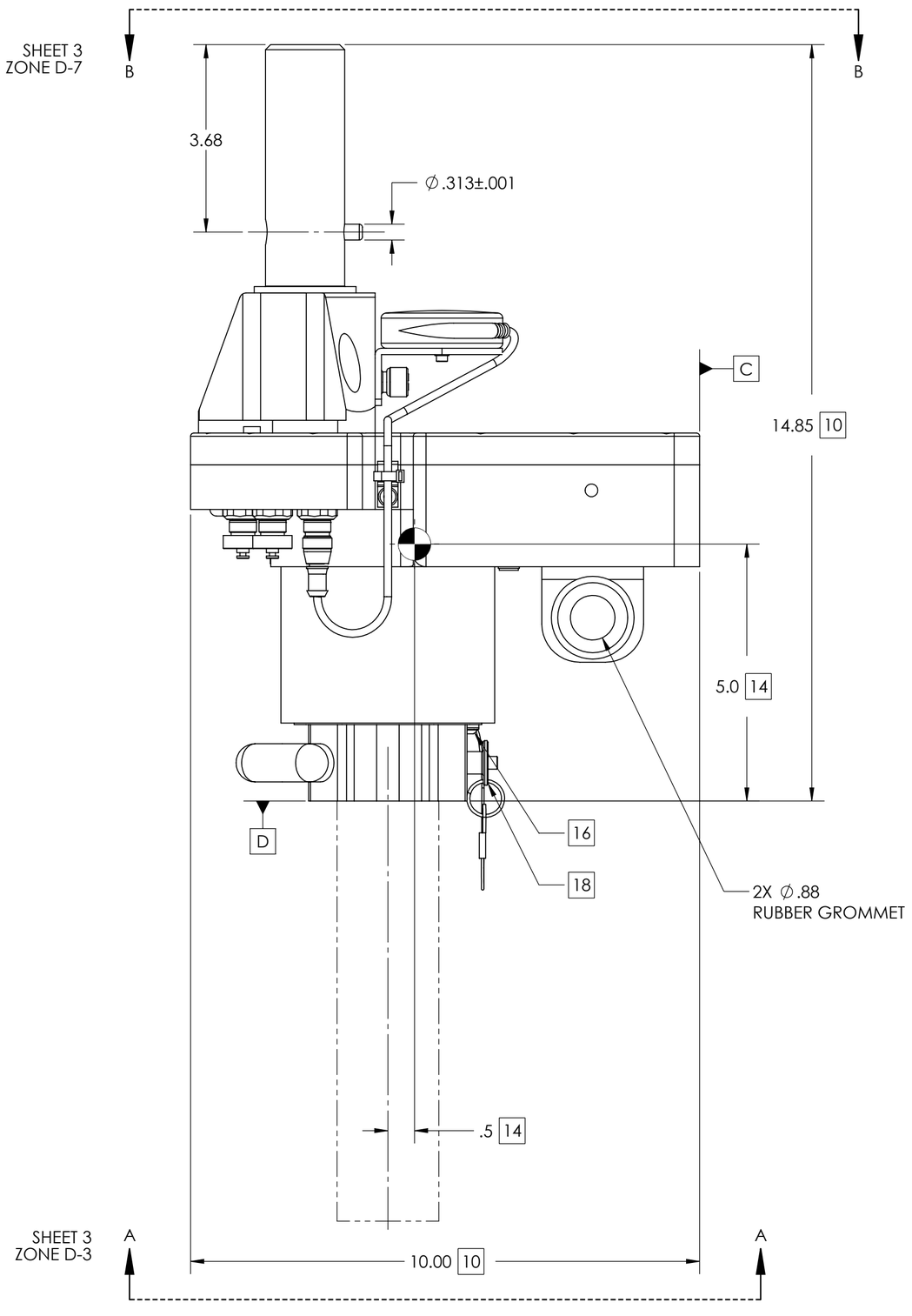
TITLE:
LINKALIGN-360AZR-10
INTERFACE CONTROL
DRAWING

SIZE	DWG. NO.	REV
C	ICDN900231	E

SCALE: 2:3 SHEET 1 OF 3

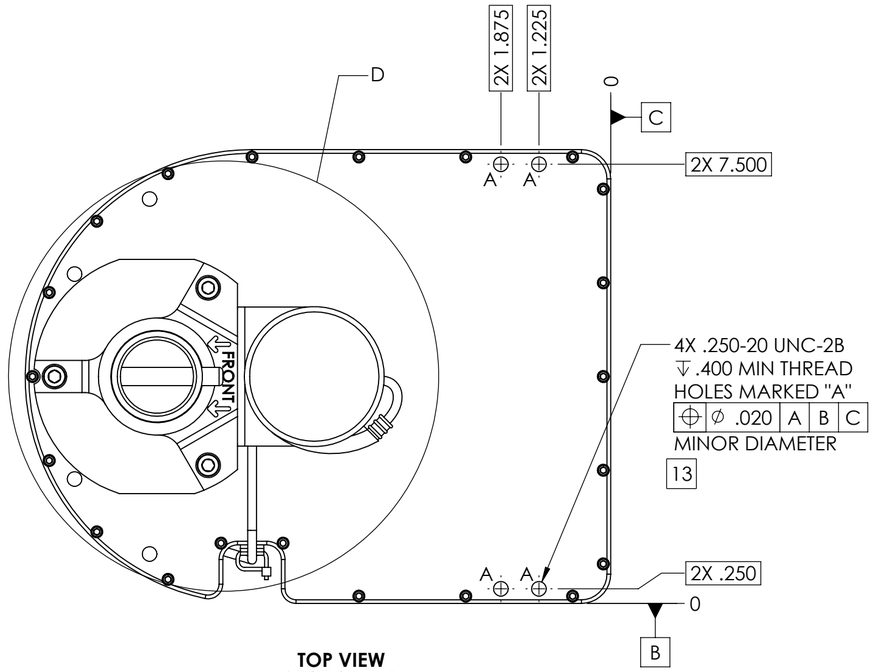


FRONT VIEW

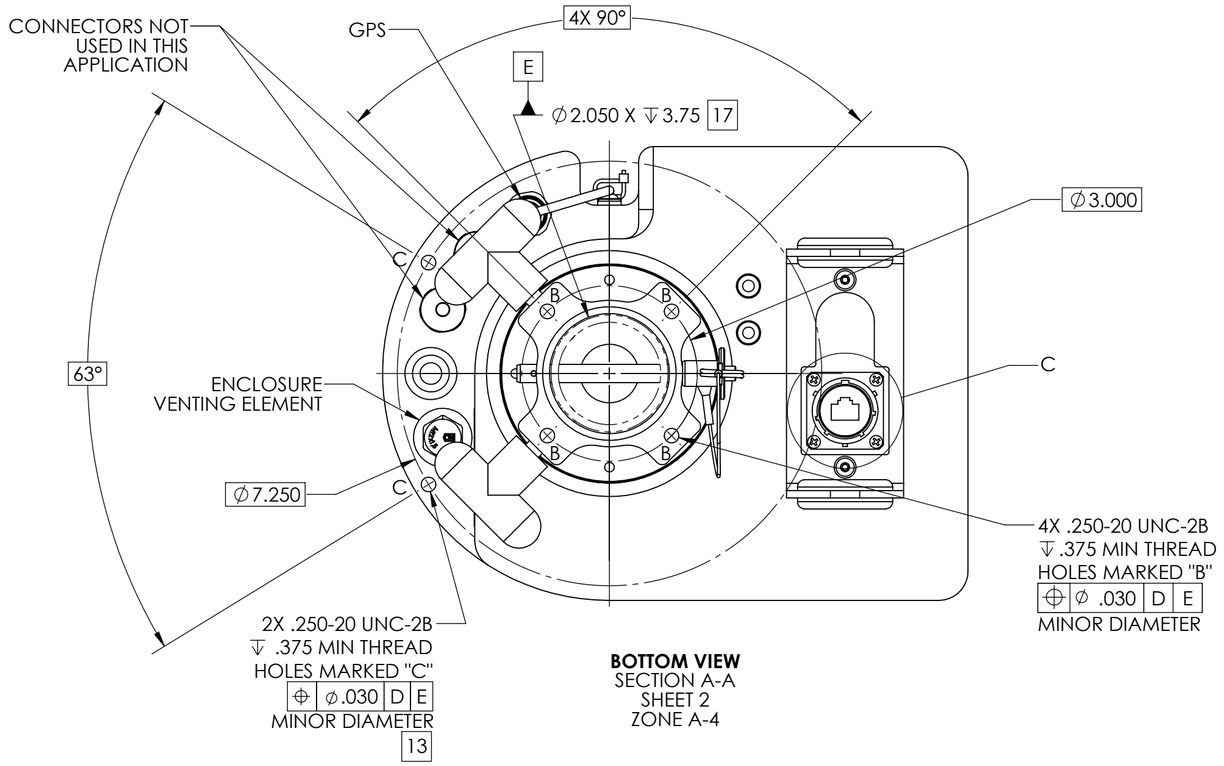


LEFT VIEW

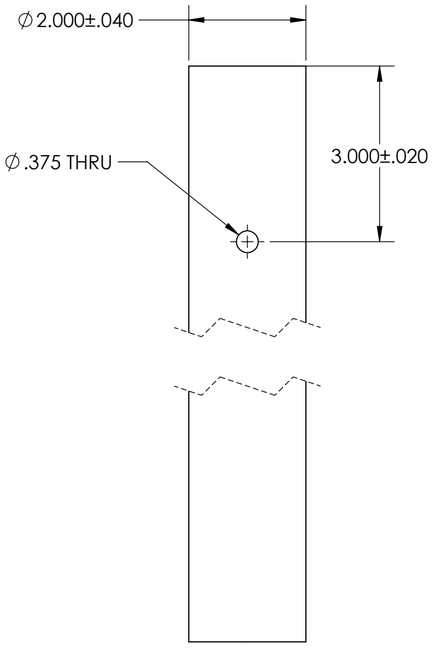
SIZE	DWG. NO.
C	ICDN900231
SCALE: 1:2	SHEET 2 OF 3



TOP VIEW
SECTION B-B
SHEET 2
ZONE F-4

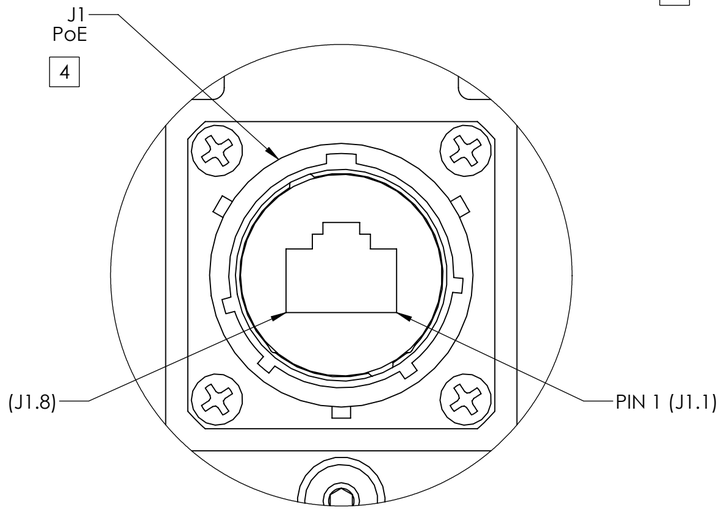


BOTTOM VIEW
SECTION A-A
SHEET 2
ZONE A-4



SUGGESTED POSITIONER
MAST DIMENSIONS

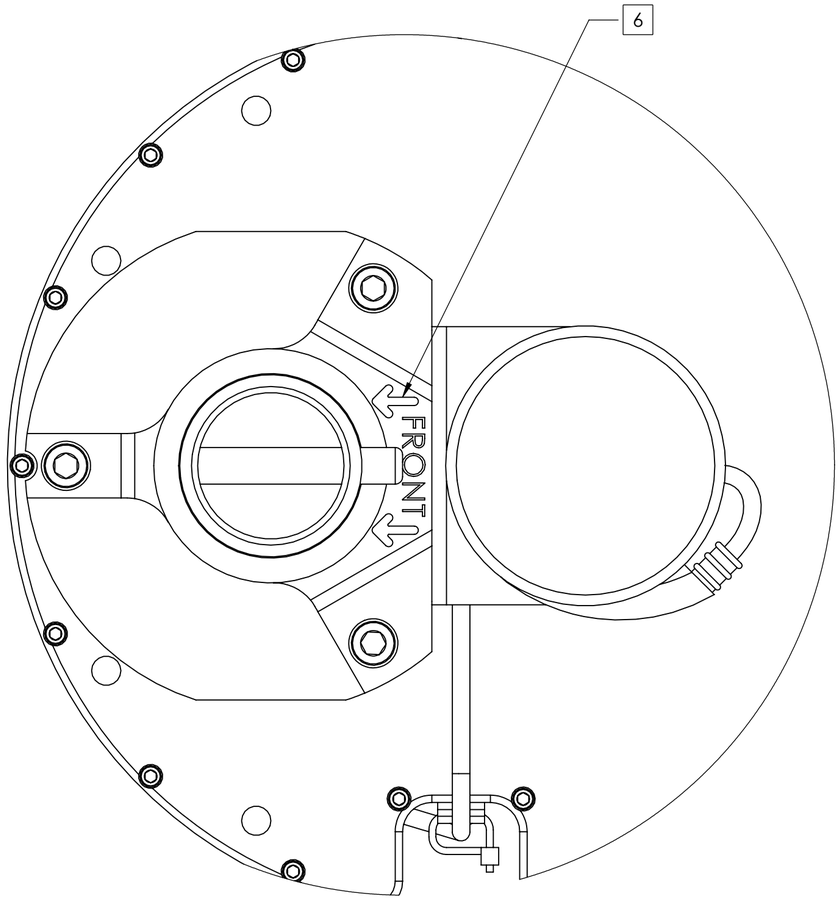
17



J1 CONNECTOR SHOWN FROM MATING SIDE
MATES WITH AMPHENOL P/N - RJF6B

BOTTOM VIEW
DETAIL C
SCALE 2 : 1
SEE TABLE II FOR J1 PoE CONNECTOR PINOUT DETAILS

TABLE II (PoE CONNECTOR)	
CONNECTOR DESIGNATION	**FUNCTION**
J1.1	DATA PAIR 1
J1.2	DATA PAIR 1
J1.3	DATA PAIR 2
J1.4	+48 VDC PoE POWER INPUT
J1.5	+48 VDC PoE POWER INPUT
J1.6	DATA PAIR 2
J1.7	DC RETURN FOR PoE INPUT
J1.8	DC RETURN FOR PoE INPUT



TOP VIEW
DETAIL D
SCALE 1 : 1

SIZE	DWG. NO.
C	ICDN900231
SCALE: 1:2	SHEET 3 OF 3