

REVISIONS					
P	LYR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECN-26-379582	20APR2026	AW	MM
	A1	RELEASED PER ECN-26-399146	11AUG2026	AW	MM

NOTES:

- 1 MATERIALS AND FINISH:
-HOUSING: PBT, COLOR: BLACK
-MOUNT: PBT, COLOR: BLACK
-RECEPTACLE CONTACTS: COPPER ALLOY, FINISH: Sn OVER Ni
-HINGE LOCK SCREWS: 18-8 STAINLESS STEEL, M3.5x13 THREAD FORMING
-CAP: PBT, COLOR: BLACK
-PCBA: FR-4
-CABLE: PVC JACKET AND CONDUCTOR INSULATION, STRANDED COPPER CONDUCTORS

2. MUST COMPLY WITH DIRECTIVE 2002/95/EC (ROHS).
3. WIRE SIZE: 0.75MM², 3-CONDUCTOR CABLE, cUR AWM 2517, 105°C, 300V, SUNLIGHT RESISTANT, VW-1, CE

CABLE	RECOMMENDED FUNCTION	ZHAGA PIN
RED	+24V AUX	1
GRAY	DA- / GND	2
PURPLE	DA+	3

- 4 HOUSING ASSEMBLY (REF P/N: 2465542-X), SHIPPED BULK LAYER PACKAGED
- 5 MOUNT (REF P/N: 2465545-X OR 2465547-1) NOT ASSEMBLED, BAGGED SEPARATELY.
- 6 HINGE LOCK SCREWS NOT ASSEMBLED, BAGGED IN HARDWARE KIT.
SINGLE USE ONLY, TO BE USED FOR:
-RETAINING HOUSING ONTO MOUNT
-ADJUSTING TILT LEVEL ON HOUSING (POLE MOUNTED VARIANTS ONLY)
7. THIS PRODUCT HAS NOT COMPLETED VALIDATION TESTING.
8. MOUNTING SCREWS INCLUDED IN BAGGED HARDWARE KIT.

- 9 ZHAGA BOOK 18 COMPLIANT.

10. SPD PROTECTION PER PART 151, STANDALONE SPD, POLARITY SENSITIVE
- AUX / GND
- DA+ / DA-

1500 ± 55.0	POLE INTERIOR, WALL EXTERIOR	POLE 50-100MM, POLE 100-200MM, WALL ALL INCLUDED	UPPER AND LOWER RECEPTACLE	9-2465542-9	22
6000 ± 55.0	POLE INTERIOR, WALL EXTERIOR	POLE 50-100MM, POLE 100-200MM, WALL ALL INCLUDED	UPPER AND LOWER RECEPTACLE	9-2465542-8	21
6000 ± 55.0	WALL EXTERIOR	WALL	UPPER AND LOWER RECEPTACLE	5-2465542-5	20
1500 ± 15.0	WALL EXTERIOR	WALL	LOWER RECEPTACLE ONLY	5-2465542-3	19
1500 ± 15.0	WALL EXTERIOR	WALL	UPPER RECEPTACLE ONLY	5-2465542-2	18
1500 ± 15.0	WALL EXTERIOR	WALL	UPPER AND LOWER RECEPTACLE	5-2465542-1	17
6000 ± 55.0	POLE EXTERIOR	POLE, 100-200MM	UPPER AND LOWER RECEPTACLE	4-2465542-5	16
1500 ± 15.0	POLE EXTERIOR	POLE, 100-200MM	LOWER RECEPTACLE ONLY	4-2465542-3	15
1500 ± 15.0	POLE EXTERIOR	POLE, 100-200MM	UPPER RECEPTACLE ONLY	4-2465542-2	14
1500 ± 15.0	POLE EXTERIOR	POLE, 100-200MM	UPPER AND LOWER RECEPTACLE	4-2465542-1	13
6000 ± 55.0	POLE INTERIOR	POLE, 100-200MM	UPPER AND LOWER RECEPTACLE	3-2465542-5	12
1500 ± 15.0	POLE INTERIOR	POLE, 100-200MM	LOWER RECEPTACLE ONLY	3-2465542-3	11
1500 ± 15.0	POLE INTERIOR	POLE, 100-200MM	UPPER RECEPTACLE ONLY	3-2465542-2	10
1500 ± 15.0	POLE INTERIOR	POLE, 100-200MM	UPPER AND LOWER RECEPTACLE	3-2465542-1	9
6000 ± 55.0	POLE EXTERIOR	POLE, 50-100MM	UPPER AND LOWER RECEPTACLE	2-2465542-5	8
1500 ± 15.0	POLE EXTERIOR	POLE, 50-100MM	LOWER RECEPTACLE ONLY	2-2465542-3	7
1500 ± 15.0	POLE EXTERIOR	POLE, 50-100MM	UPPER RECEPTACLE ONLY	2-2465542-2	6
1500 ± 15.0	POLE EXTERIOR	POLE, 50-100MM	UPPER AND LOWER RECEPTACLE	2-2465542-1	5
6000 ± 15.0	POLE INTERIOR	POLE, 50-100MM	UPPER AND LOWER RECEPTACLE	1-2465542-5	4
1500 ± 15.0	POLE INTERIOR	POLE, 50-100MM	LOWER RECEPTACLE ONLY	1-2465542-3	3
1500 ± 15.0	POLE INTERIOR	POLE, 50-100MM	UPPER RECEPTACLE ONLY	1-2465542-2	2
1500 ± 15.0	POLE INTERIOR	POLE, 50-100MM	UPPER AND LOWER RECEPTACLE	1-2465542-1	1
DIM "A"	CABLE ROUTE	MOUNT TYPE	HOUSING ASSEMBLY TYPE	KIT NUMBER	ITEM NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±1.0
±0.5
±0.25
±
±
±0.5

MATERIAL

DWN
A. WESTBROOK
CHK
M. MOSTOLLER
APVD
M. MOSTOLLER

05MAR2024
05MAR2024
05MAR2024

PRODUCT SPEC
108-161586
APPLICATION SPEC
114-161163

WEIGHT
-

CUSTOMER DRAWING

NAME
LUMAWISE ENDURANCE BRIDGE

SIZE
A1

CAGE CODE
00779

DRAWING NO
2465542

RESTRICTED TO
-

SCALE
1:1

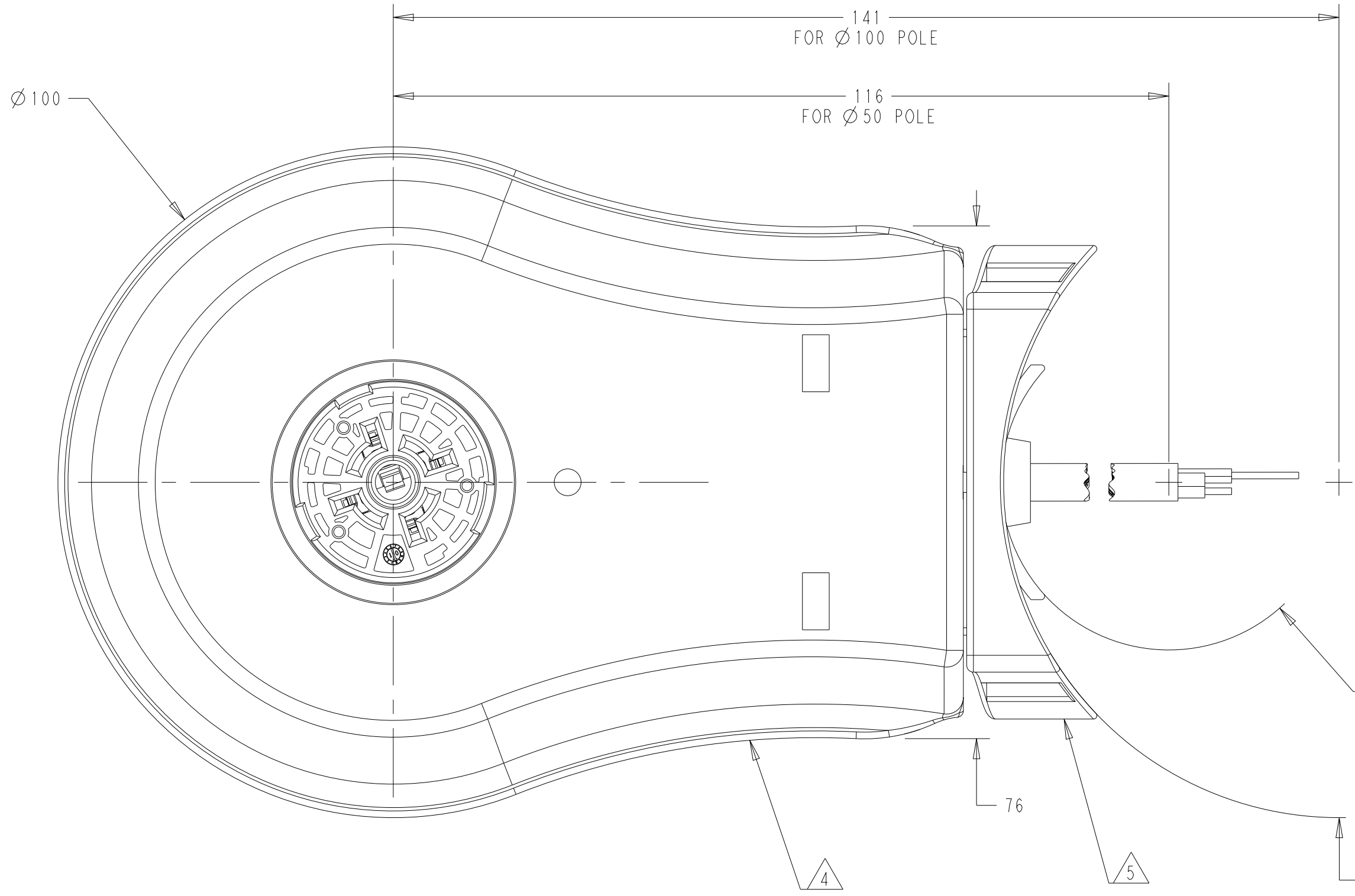
SHEET
1

OF
3

REV
A1

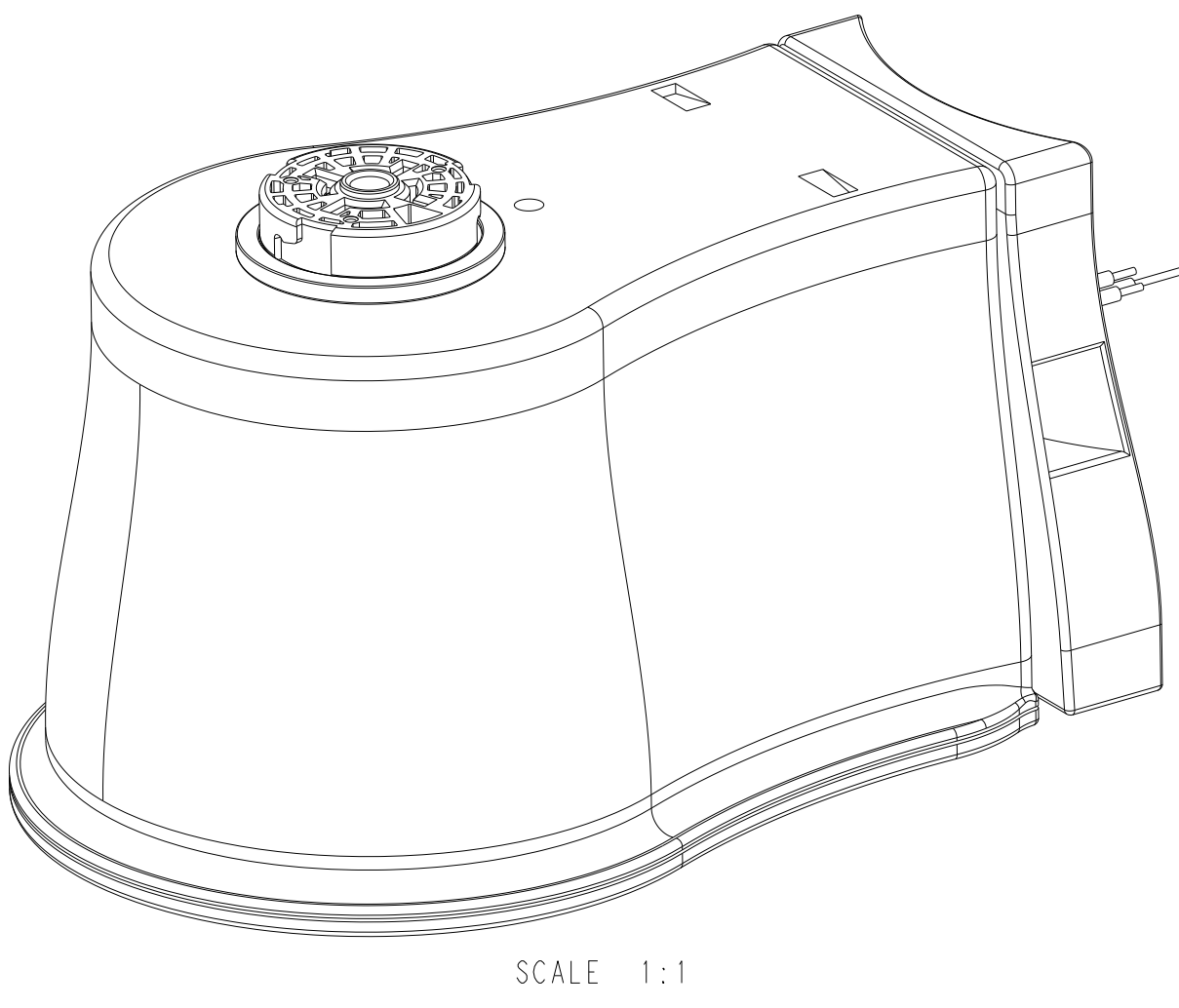
TE Connectivity

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

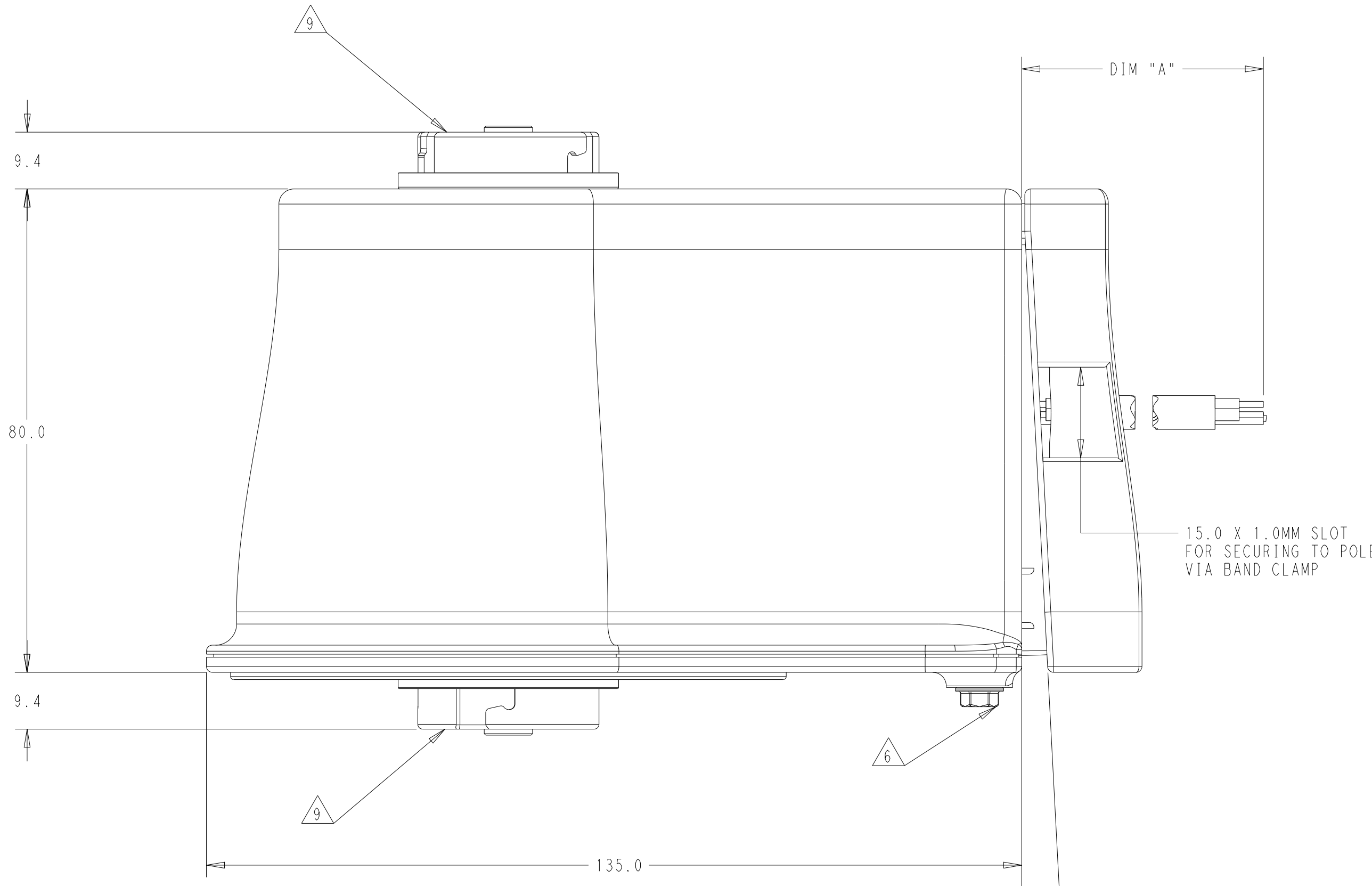


Ø50.0 MIN. RECOMMENDED POLE SIZE FOR 1-, 2-, & 9-2465542-X
Ø100 MIN. RECOMMENDED POLE SIZE FOR 3- & 4-2465542-X

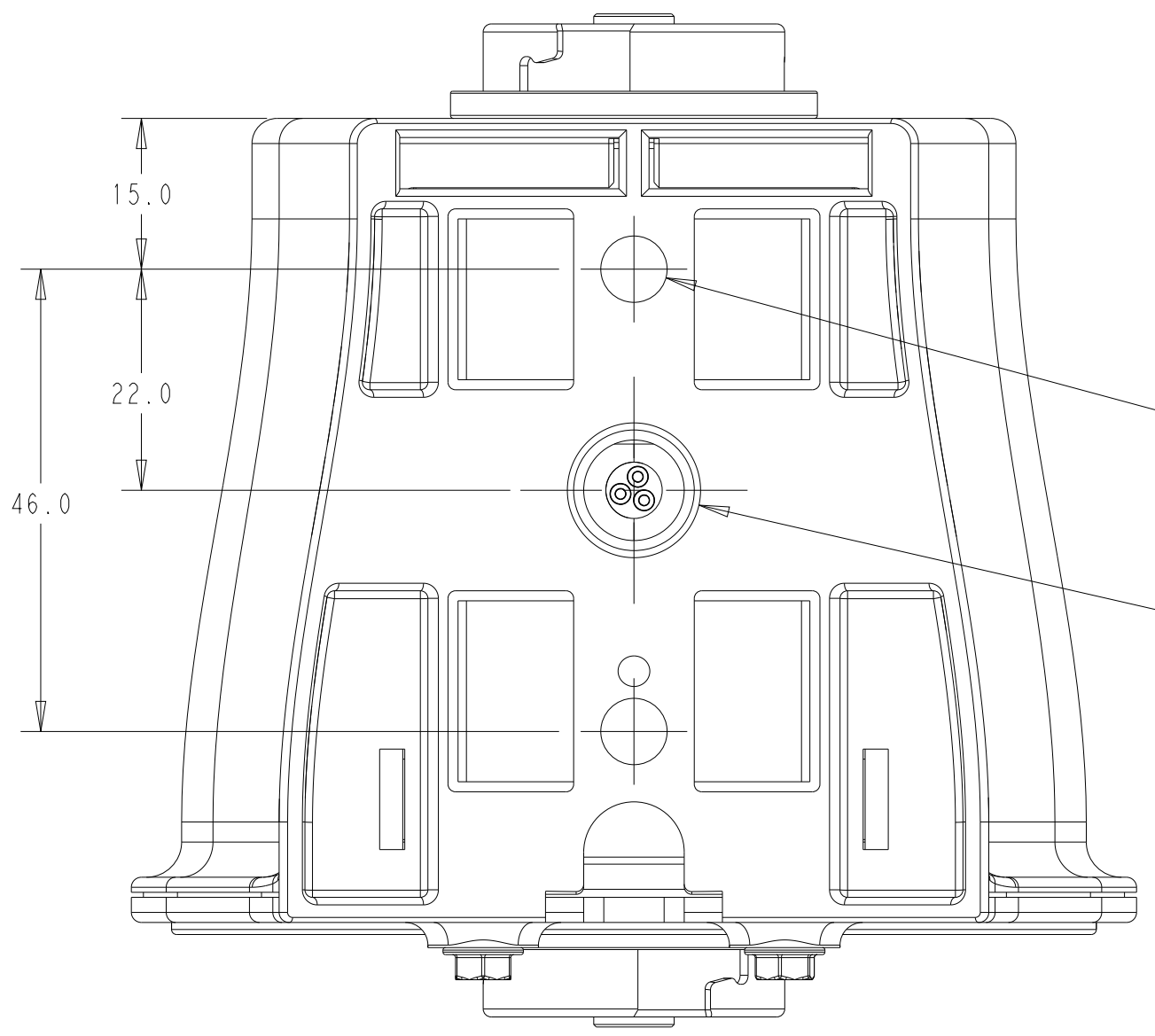
Ø100 MAX. RECOMMENDED POLE SIZE FOR 1- & 2-2465542-X
Ø200 MAX. RECOMMENDED POLE SIZE FOR 3-, 4-, & 9-2465542-X



1- & 3-2465542-1 SHOWN



UP TO 3° POLE
TAPER COMPENSATION



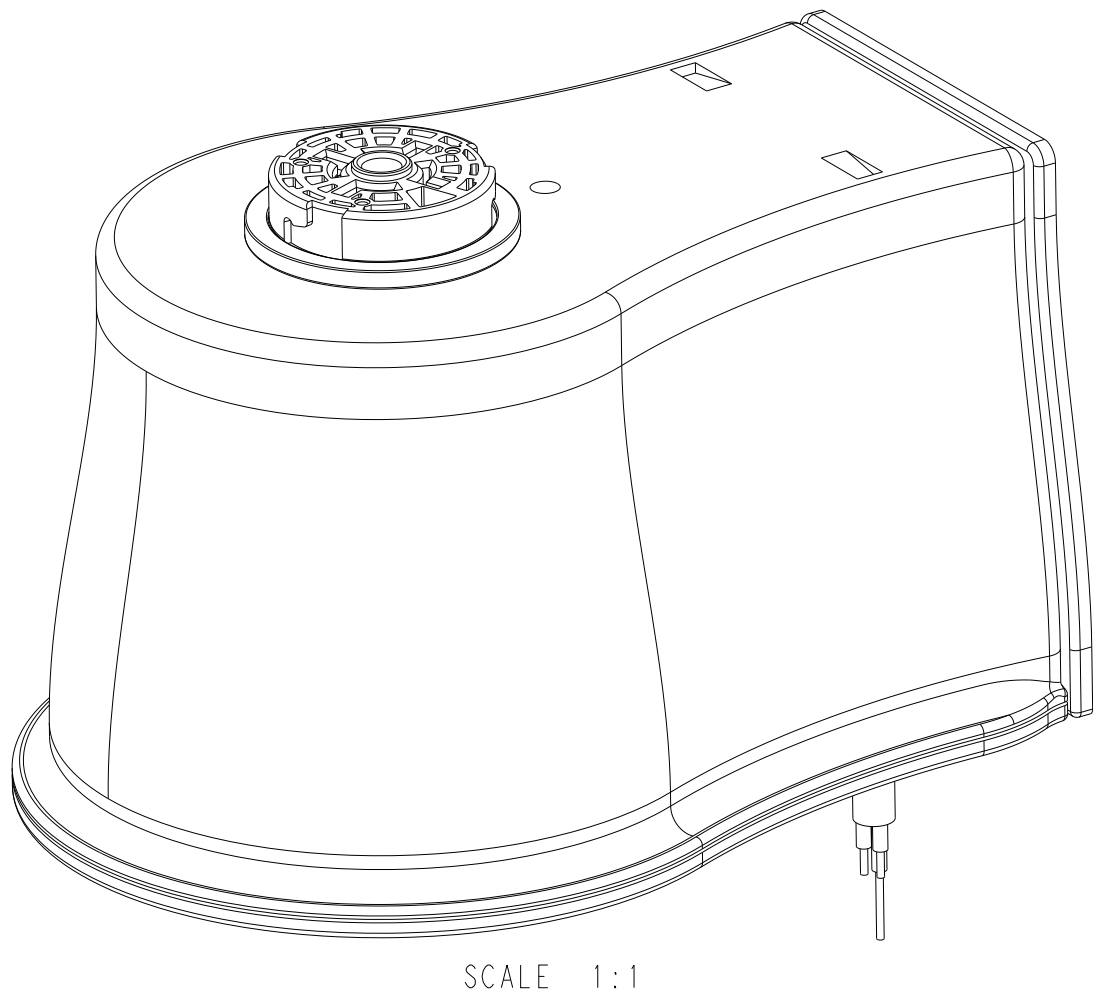
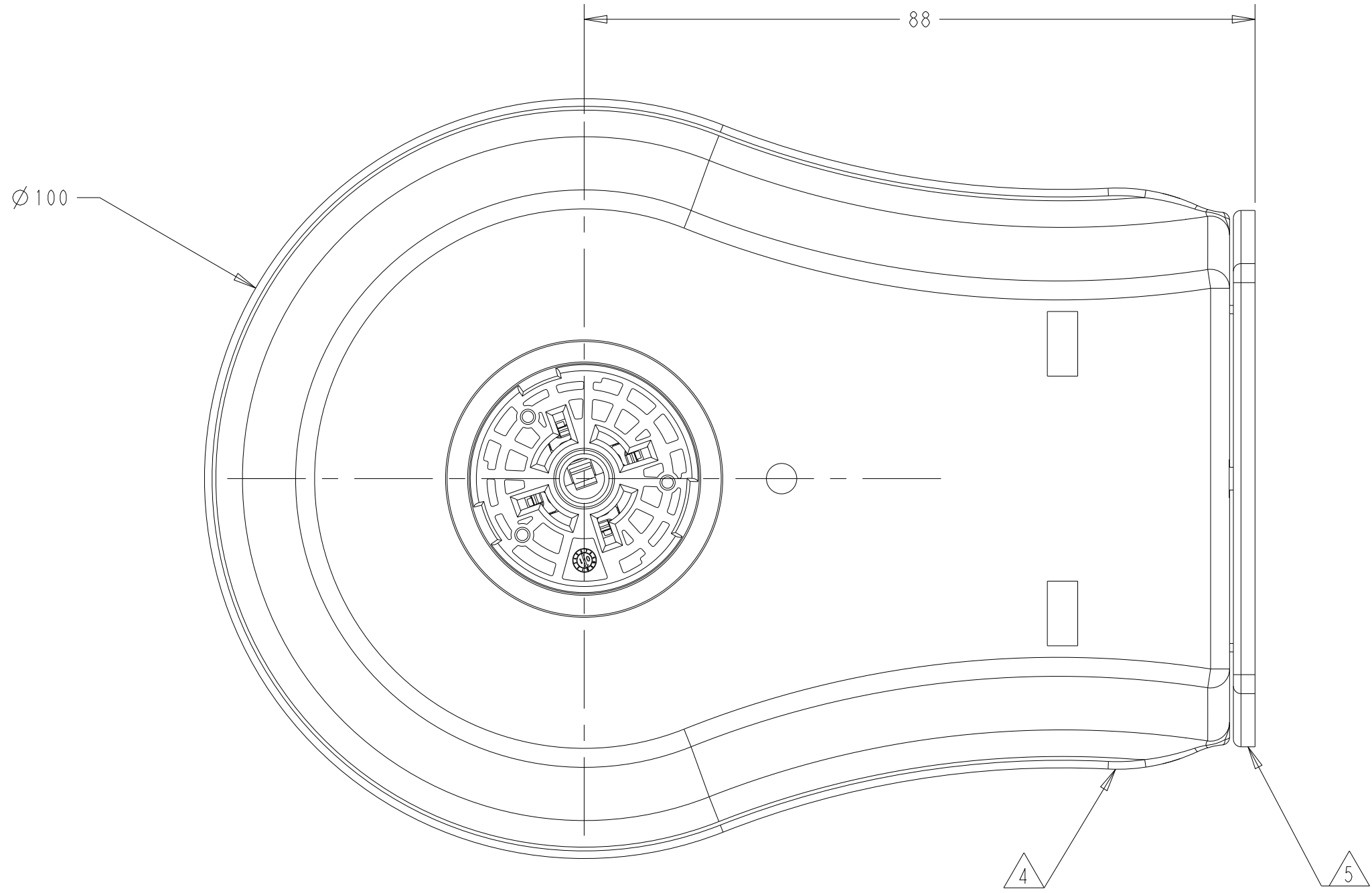
Ø6.60 2PLC

RECOMMENDED CABLE HOLE TO BE MADE IN POLE = Ø14
ONLY REQUIRED FOR 1-, 3-, & 9-2465542-X PART NUMBERS

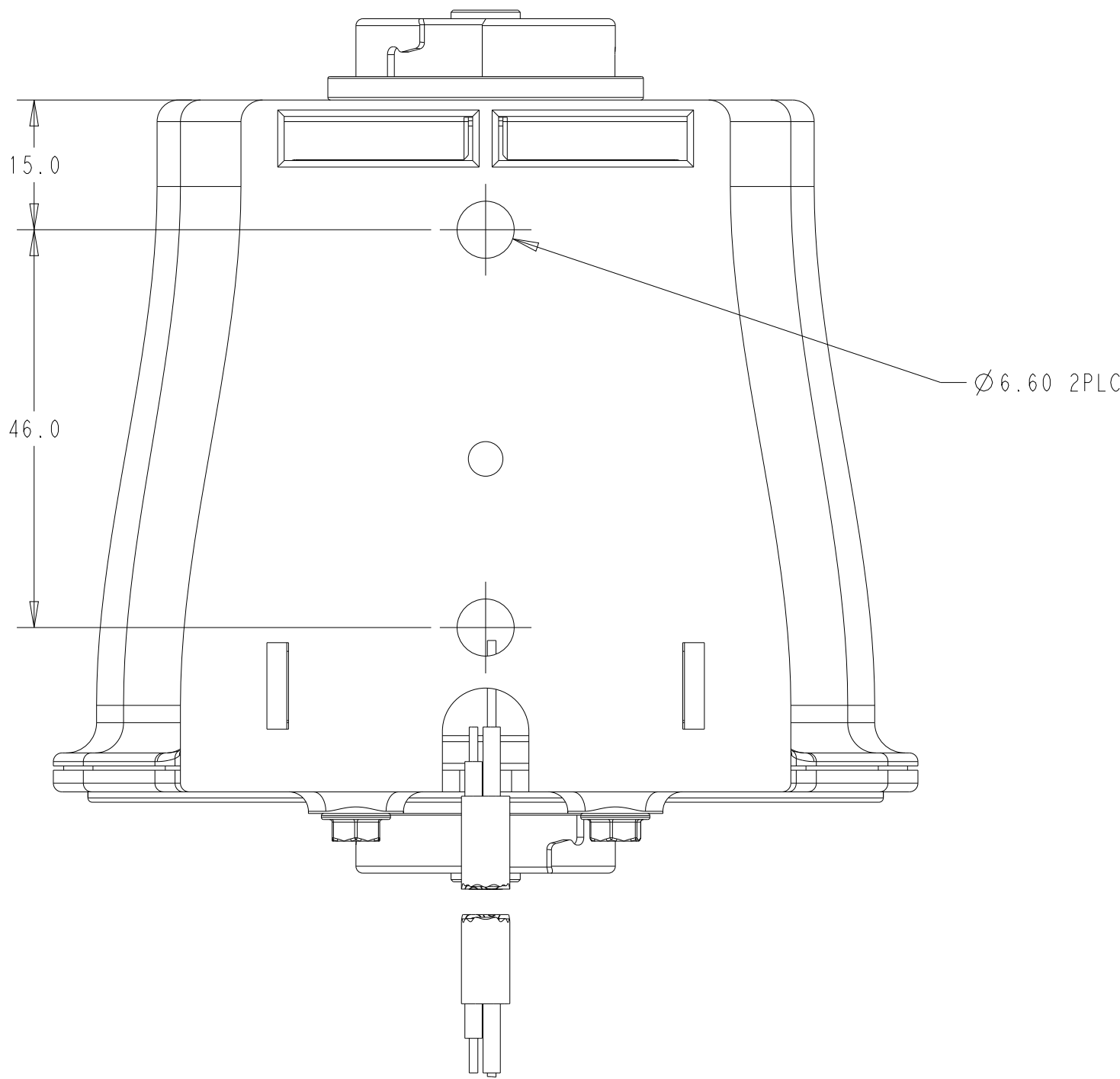
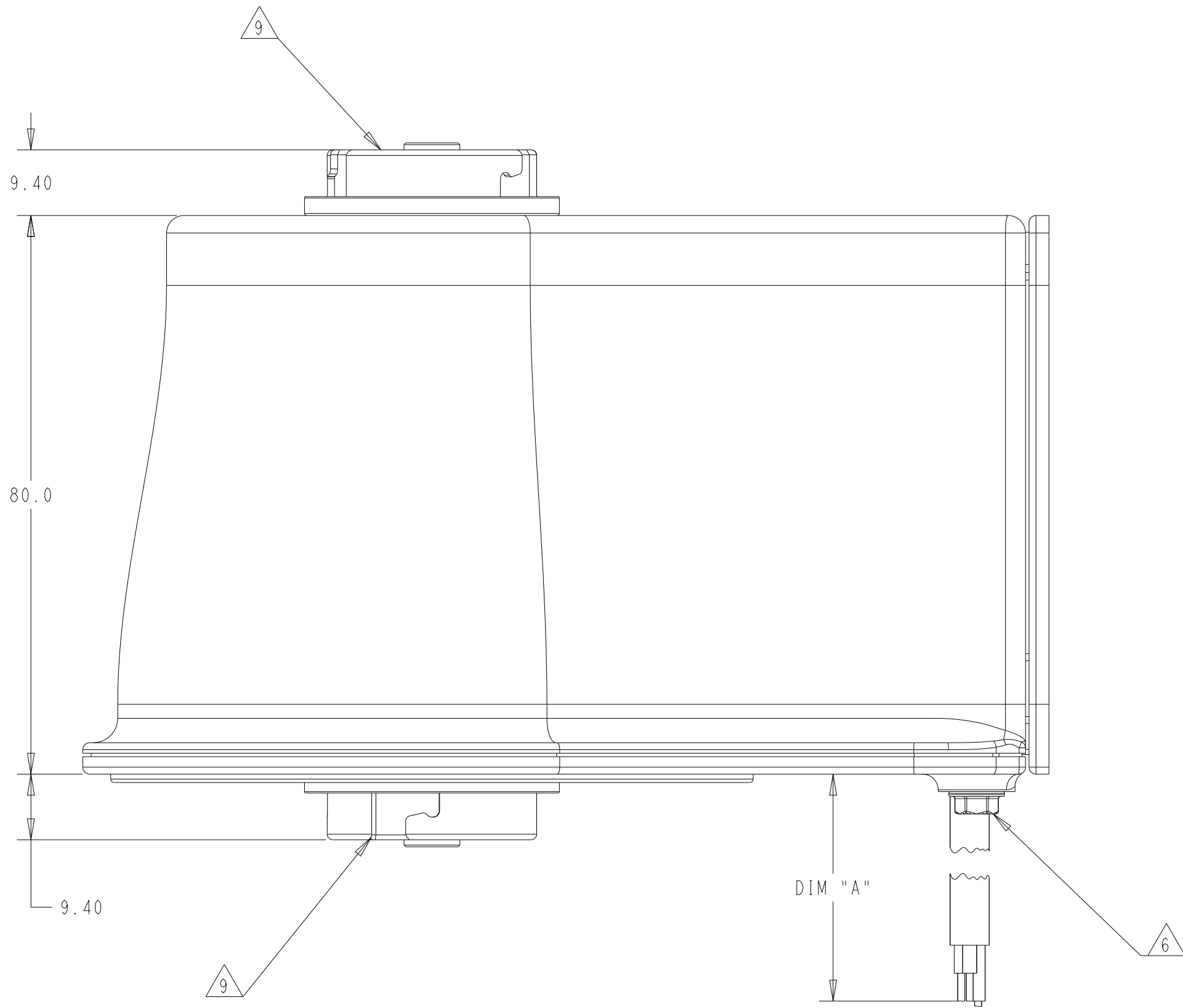
THIS SHEET SHOWN WITHOUT SEALING CAPS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WESTBROOK CHK M. MOSTOLLER APVD M. MOSTOLLER	05MAR2024 05MAR2024 05MAR2024	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME LUMAWISE ENDURANCE BRIDGE	
mm		0 PLC ±1.0 1 PLC ±0.5 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±0.5 FINISH		PRODUCT SPEC 108-161586 APPLICATION SPEC 114-161163	
MATERIAL		WEIGHT		SIZE A 00779	
CUSTOMER DRAWING		SCALE 3:2		SHEET 2 OF 3	
				REV A1	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



5-2465542-1 SHOWN



THIS SHEET SHOWN WITHOUT SEALING CAPS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. WESTBROOK 05MAR2024		
DIMENSIONS:		CHK M. MOSTOLLER 05MAR2024		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. MOSTOLLER 05MAR2024	NAME LUMAWISE ENDURANCE BRIDGE	
	0 PLC ±1.0	PRODUCT SPEC	SIZE A1	
	1 PLC ±0.5	108-161586		
	2 PLC ±0.25	APPLICATION SPEC		
	3 PLC ±	114-161163		
MATERIAL		WEIGHT	CUSTOMER DRAWING	
ANGLES		-	SCALE 3:2	
FINISH		-	SHEET 3 OF 3	
			REV A1	