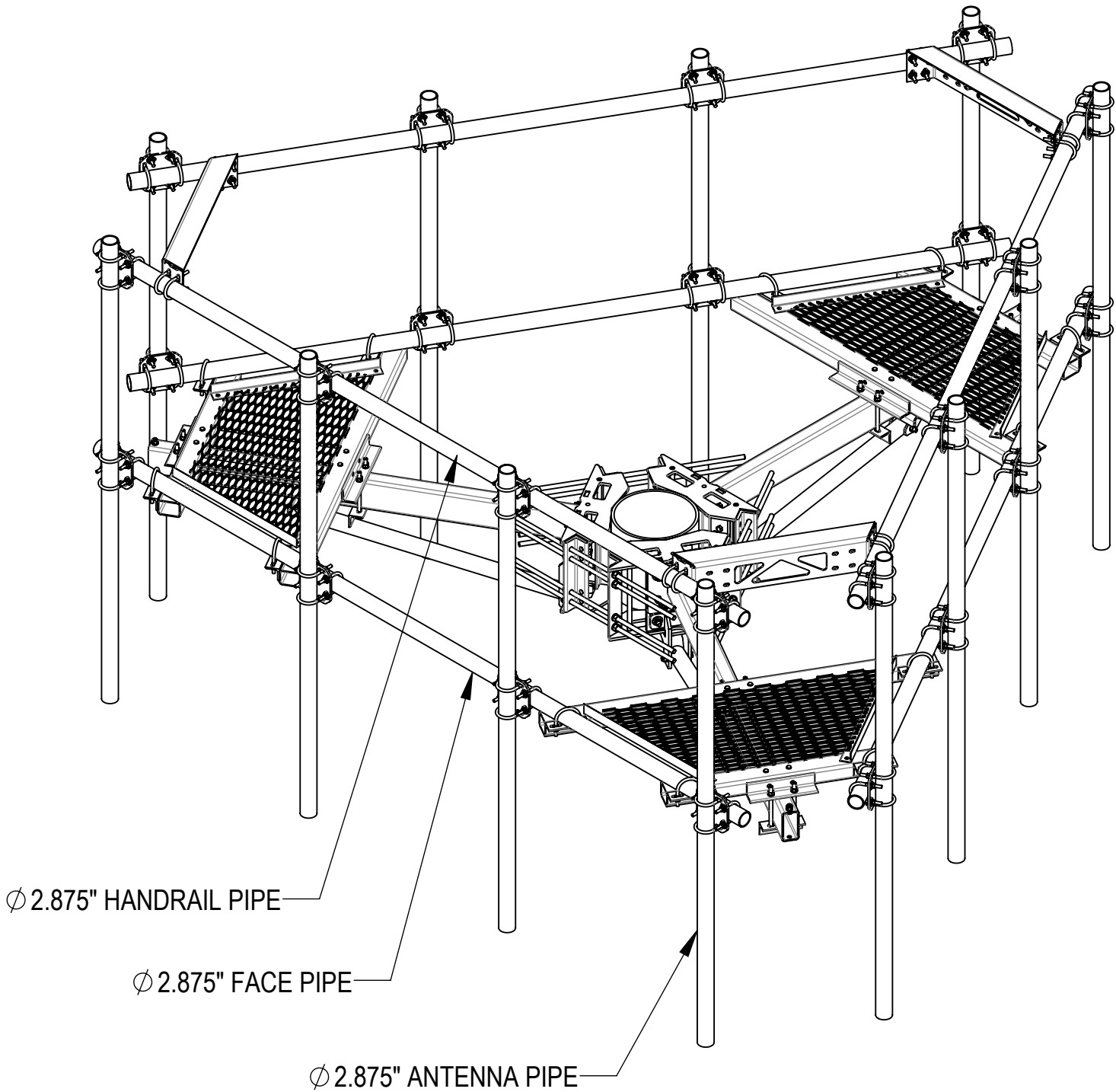
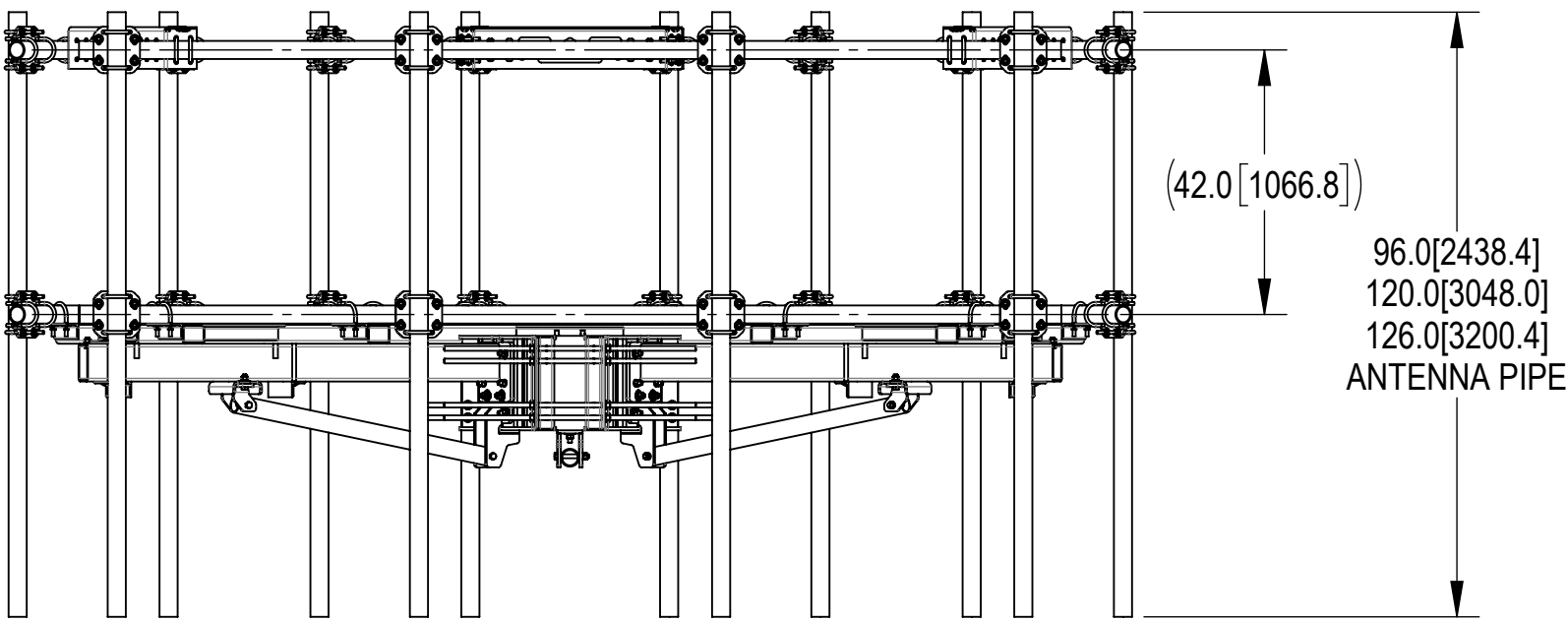
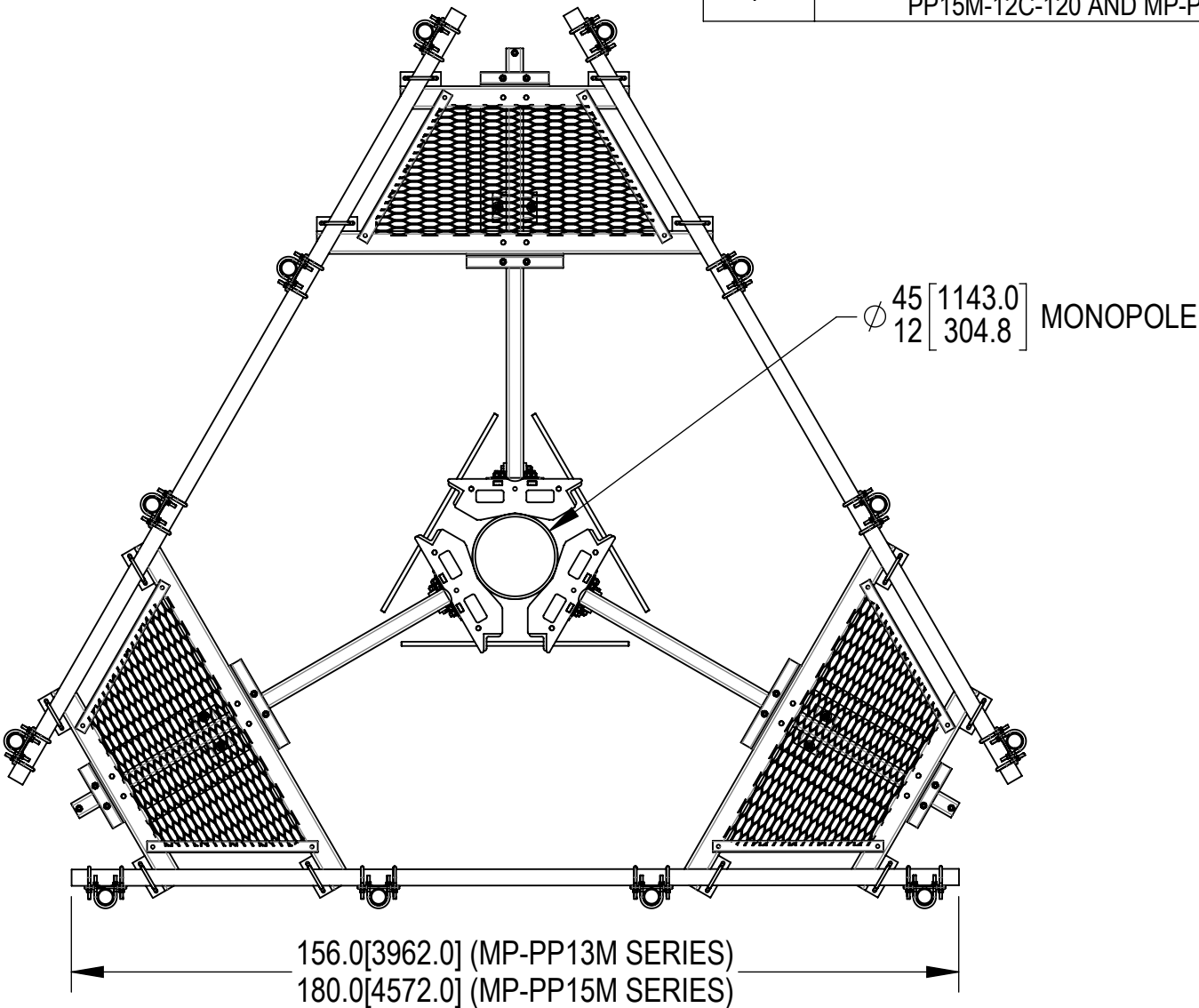


- 1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 FOR PATENT INFO: <https://www.adwpat.com>
- 2.0 DESIGN NOTES
- 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY BE REQUIRED TO MAINTAIN THE INTEGRITY OF THE SAFETY CLIMB. DURING INSTALLATION, TEMPORARY AND/OR PERMANENT PRECAUTIONARY MEASURES SHOULD BE TAKEN TO PRESERVE THE CLIMBING FACILITY AND/OR SAFETY CLIMB.
- 2.2 FITS MONOPOLES 12"-45" O.D.
- 2.3 ANTENNA PIPES SHOULD BE CENTERED AND EVENLY SPACED.
- 2.4 POSITION MOUNT OR ADJUST SAFETY CLIMB CABLE SO NOT TO HINDER OR DAMAGE OR OBSTRUCT THE SAFETY CLIMB. SAFETY CABLE ROUTING BRACKET MAY BE PURCHASED SEPARATELY.
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 3.1 TIGHTEN ALL BOLTS 3/8" OR LARGER SECURING FLAT PLATES SNUG TIGHT. TIGHTEN ALL U-BOLTS/THREADED RODS SNUG TIGHT, WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF U-BOLT/THREADED ROD.
- 3.2 SNUG TIGHT IS DEFINED AS THE CONDITION OBTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN INSTALLER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED LAYERS (PLIES) OF STEEL INTO FULL CONTACT.
- 3.3 FOR BOLTS IN A PATTERN, TIGHTEN IN A CRISS-CROSS OR STAR SEQUENCE, INCREASING TORQUE IN GRADUAL STEPS UNTIL SNUG TIGHT.
- 3.4 SUGGEST PRE-ASSEMBLE MINI KICKER BRACKET TO RING MOUNT ON THE GROUND.
- 4.0 TEST
- 5.0 PACKAGING
- 5.1 PACKAGING SHALL MEET ANDREW REQUIREMENTS PER DOCUMENT IS-PL-3005
- 5.2 PRINTED DOCUMENT TO BE PLACED INSIDE POLYBAG AND THEN IN SHIPPING CONTAINER
- 5.3 EXTRA HARDWARE MAY BE SUPPLIED, BAGGED AND SHIPPED

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	SIMPLIFIED SERIES DRAWING	YMENG 13JUN24	CB1094 40197348CMO
E	UPDATED MOUNTING DIAMETER TO 12"-45"	JL1183 26SEP25	CB1094 50105167AMO
F	ADDED MP-PP13M-9C-120, MP-PP13M-12C-120, MP-PP15M-12C-120 AND MP-PP15M-15C-120	RY1002 26JUN26	LX1002 50109009AMO



MP-PP13M-12C-96 SHOWN FOR REFERENCE
(SEE TABLE 1 FOR ALL CONFIGURATIONS)

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TOLERANCES		SAP MATERIAL MASTER							
1 PLACE .X[X] ± 0.2[6.3]	3 PLACE .XXX[X] ± 0.060[1.5]	SEE TABLE 1							
2 PLACE .XX[X] ± 0.12[3.0]	ANGLES ± 2°								
FINISH		MATERIAL							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994		NAME	DATE	MP 3-SECTORS W/HR SERIES					
		CE JL1183	31MAY23						
		RW RY1002	06/30/2026						
		AD LX1002	06/30/2026						
		RE YMENG	06/30/2026						
ECN 50109009AMO		SCALE	DOCUMENT NO.	MP-PP					
SIZE		Auth Group	INSL	MODEL		DRAWING		SHEET 1 OF 2	
C				VERSION	STATUS	REVISION	VERSION		STATUS
				06	RE	G	05	RE	F

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PART NUMBERS, WEIGHTS, & EPA

TABLE 1: CONFIGURATIONS																				
PART NUMBER	DESCRIPTION	WEIGHT (LBS)	(EPA)A (FT^2)*	(EPA)A 1/2" ICE THICKNESS (FT^2)*	ANTENNA PIPES	INCLUDED PARTS														
						MC-RMHD-1245-3	MC-AS-SB02	MC-AS-SB03	RK-48-3MK	MPPP-HK01	MT546156	MT546180	HRK-13-12-01	HRK-15-12-01	XP-2525-6	XP-2525-12	XP-2525-15	MT54696	MT546120	MT-546-126
MP-PP13M-B	MP,13',3S,BASE-KIT,W/HR,12-45"-POLE	1798.24	29.99	38.05	-	1	1	-	1	1	3	-	1	-	-	-	-	-	-	
MP-PP13M-9C-120	MP,13',3S,(9)2.88"X120"PIPE,W/HR	2465.98			9	1	1	-	1	1	3	-	1	-	3	-	-	-	9	-
MP-PP13M-12C-96	MP,13',3S,(12)2.88"X96"PIPE,W/HR	2550.68			12	1	1	-	1	1	3	-	1	-	-	2	-	12	-	-
MP-PP13M-12C-120	MP,13',3S,(12)2.88"X120"PIPE,W/HR	2688.56			12	1	1	-	1	1	3	-	1	-	-	2	-	-	12	-
MP-PP13M-12C-126	MP,13',3S,(12)2.88"X126"PIPE,W/HR	2731.70			12	1	1	-	1	1	3	-	1	-	-	2	-	-	-	12
MP-PP15M-B	MP,15',3S,BASE-KIT,W/HR,12-45"-POLE	2089.39	36.66	48.93	-	1	-	1	1	1	-	3	-	1	-	-	-	-	-	
MP-PP15M-12C-96	MP,15',3S,(12)2.88"X96"PIPE,W/HR	2841.83			12	1	-	1	1	1	-	3	-	1	-	2	-	12	-	-
MP-PP15M-12C-120	MP,15',3S,(12)2.88"X120"PIPE,W/HR	2979.71			12	1	-	1	1	1	-	3	-	1	-	2	-	-	12	-
MP-PP15M-12C-126	MP,15',3S,(12)2.88"X126"PIPE,W/HR	3022.85			12	1	-	1	1	1	-	3	-	1	-	2	-	-	-	12
MP-PP15M-15C-96	MP,15',3S,(15)2.88"X96"PIPE,W/HR	3029.94			15	1	-	1	1	1	-	3	-	1	-	-	2	15	-	-
MP-PP15M-15C-120	MP,15',3S,(15)2.88"X120"PIPE,W/HR	3202.29			15	1	-	1	1	1	-	3	-	1	-	-	2	-	15	-
MP-PP15M-15C-126	MP,15',3S,(15)2.88"X126"PIPE,W/HR	3256.21			15	1	-	1	1	1	-	3	-	1	-	-	2	-	-	15

* (EPA)A DOES NOT INCLUDE ANTENNA PIPES AND MOUNTING HARDWARE. IF DESIRED, ADD ANTENNA PIPE PER TABLE 2

TABLE 2: EPA OF EACH ANTENNA PIPE		
ANTENNA PIPE	(EPA)A (FT^2)	(EPA)A W/ 1/2" ICE THICKNESS (FT^2)
2-7/8" X 96"	1.84	2.48
2-7/8" X 120"	2.30	3.10
2-7/8" X 126"	2.42	3.26

NOTE:
1. ANTENNA PIPES ARE CONSIDERED SEPARATELY.
2. KA FACTOR OF 3-SECTOR EPA INCLUDED.
3. COMBINE THE ASSOCIATED EPA VALUES IN THE TABLES ABOVE TO DETERMINE THE EPA OF A MOUNT MODEL WITH A LISTED MOUNT PIPE CONFIGURATION.
FOR EXAMPLE, MP-PP13M-12C-96 HAS A 3-SECTOR EPA OF 29.99 FT2 WITH NO ICE PLUS 12 ANTENNA PIPES WITH A 3-SECTOR EPA OF 12X1.84=22.08 FT2 WITH NO ICE.
SO, THE TOTAL EPA OF 52.07 FT2 FOR THE MP-PP13M-12C-96



TITLE

MP 3-SECTORS W/HR SERIES

SIZE

C

SCALE

1:48

DOCUMENT NO.

MP-PP



DRAWING

VERSION

05

STATUS

RE

REVISION

F

SHEET

2 OF 2

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