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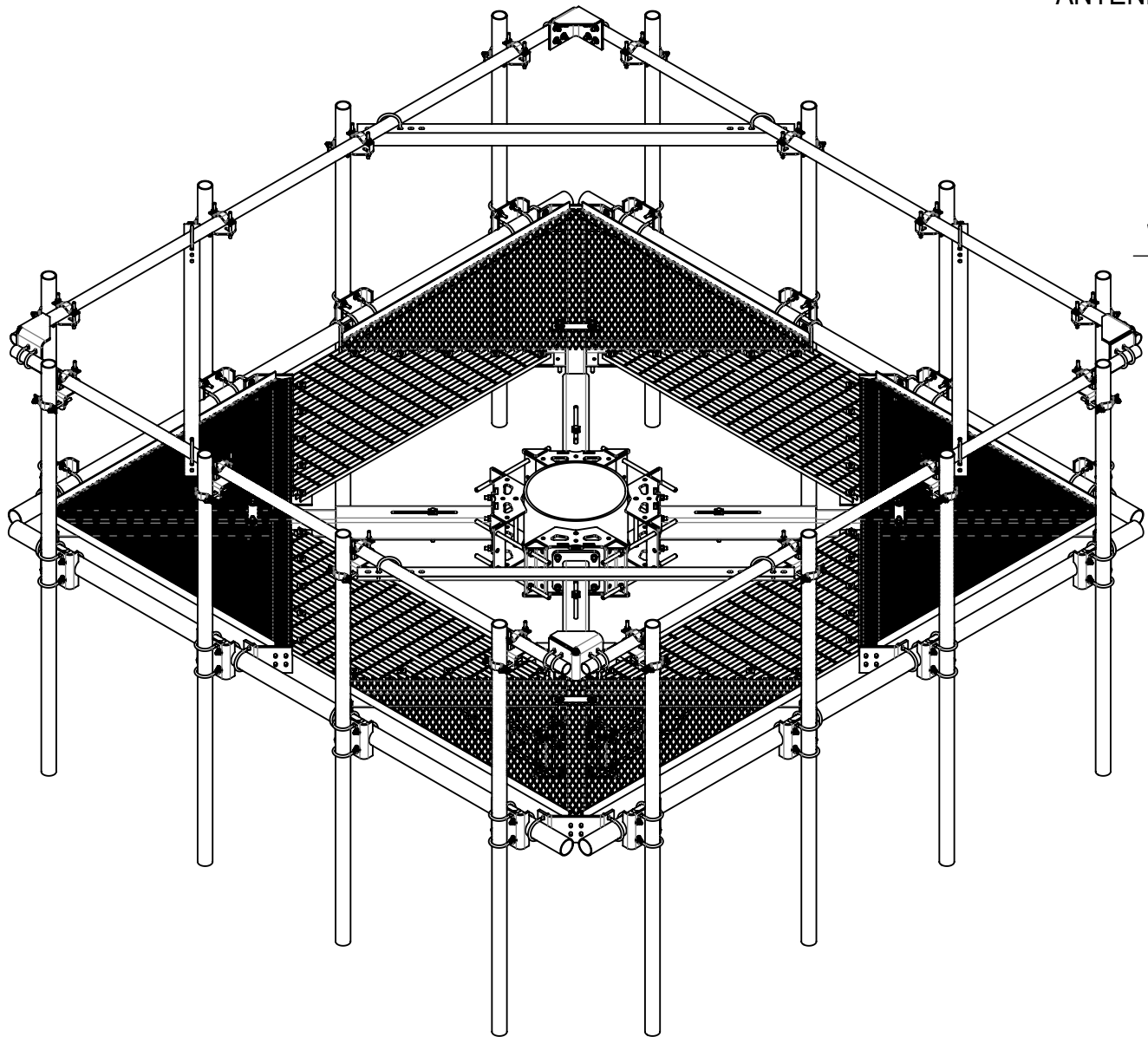
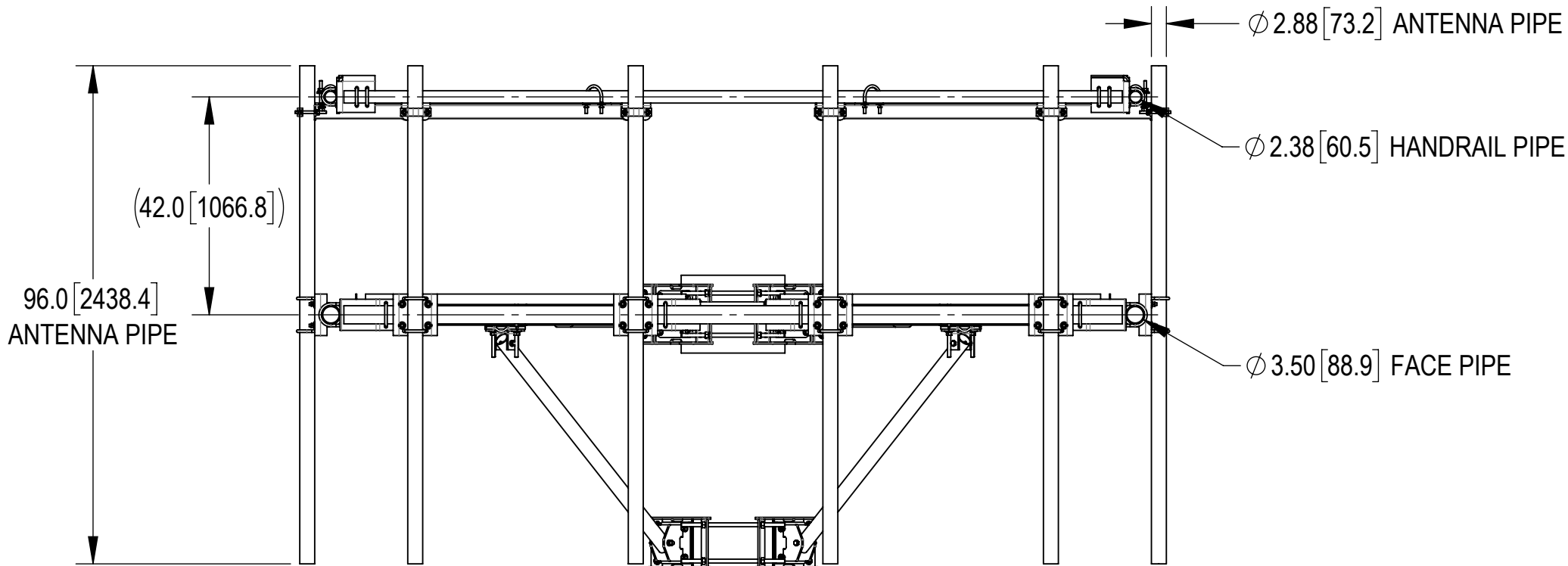
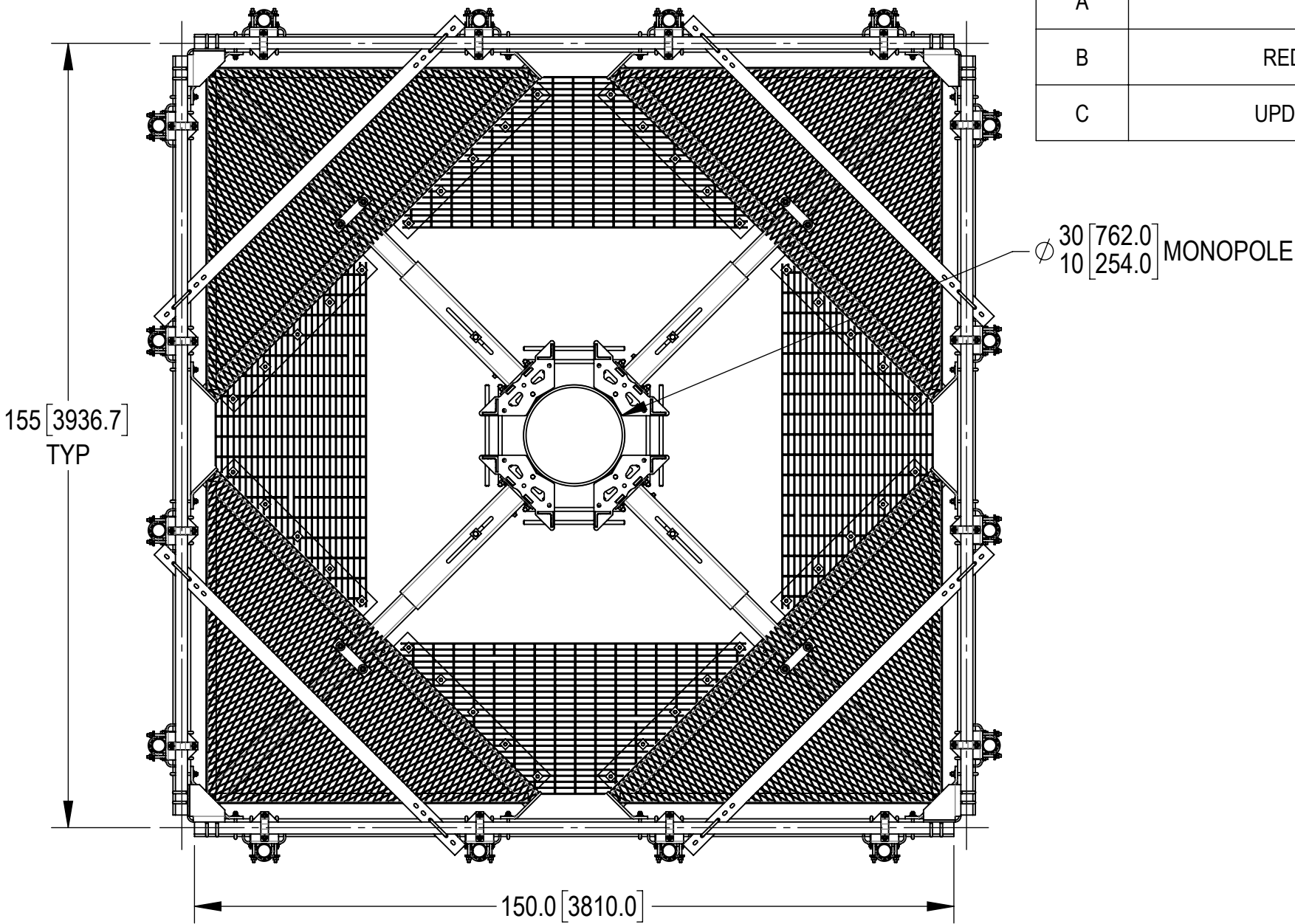
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- 1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 FOR PATENT INFO: <https://www.adwpat.com>
- 2.0 DESIGN NOTES
- 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING 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 10"-30" O.D.
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 3.1 TIGHTEN ALL BOLTS SECURING FLAT PLATES BY THE TURN-OF-NUT METHOD. TIGHTEN ALL U-BOLTS USING TURN-OF-NUT METHOD WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF THE U-BOLT.
- 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
A	INITIAL RELEASE	DRR 19JUL17	8000024604
B	REDRAWN IN SOLIDWORKS	YMENG 10MAY24	CB1094 40195118CMO
C	UPDATED DRAWING FORMAT	LL1090 24JUN25	BA1025 50103538AMO



ANDREW® an Amphenol company									
TOLERANCES						SAP MATERIAL MASTER			
1 PLACE .X[X] ± 0.2[6.3]			3 PLACE .XXX[X] ± 0.060[1.5]			MTC3946HD			
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	TITLE 12' FACE HD FOUR SECTOR COMPLETE PLTFRM					
	CE	DRR	19JUL17						
	RW	LL1090	07/02/2025						
									
	AD	BA1025	07/03/2025	SCALE 1:64	DOCUMENT NO. MTC3946HD				
	RE	YMENG	07/03/2025						
	ECN 50103538AMO								
SIZE	Auth Group	INSL	MODEL			DRAWING			SHEET 1 OF 3
C			VERSION 01	STATUS RE	REVISION C	VERSION 01	STATUS RE	REVISION C	

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PART NUMBERS, WEIGHTS, & EPA

TABLE 1: CONFIGURATIONS

PART NUMBER	DESCRIPTION	WEIGHT (LBS)	(EPA)A (FT²)*		(EPA)A 1/2" ICE THICKNESS (FT²)*		ANTENNA PIPES	INCLUDED PARTS								
			MIN	MAX	MIN	MAX		MC-RM1030-4	RK-60-4S	MCTR412SB	MT54696	MCTR4HK	MCPKS4SB	MCPK4HK	MT216SB4	MT-219M-H
MTC3946HD	12' FACE HD FOUR SECTOR COMPLETE PLTFRM	3975.31	45.61	46.37	57.01	57.96	16	1	1	1	16	1	1	1	1	16

* (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 (FT²)	(EPA)A W/ 1/2" ICE THICKNESS (FT²)
2-7/8" X 96"	1.84	2.48

NOTE:
1. ANTENNA PIPES ARE CONSIDERED SEPARATELY.
2. KA FACTOR OF 4-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, THE MINIMUM OF MTC3946HD HAS A EPA (A) OF 45.61 FT² WITH NO ICE PLUS 16 ANTENNA PIPES WITH A EPA (A) OF 16X1.84=29.44 FT² WITH NO ICE.
SO, THE TOTAL EPA OF 75.05 FT² FOR THE MINIMUM OF MTC3946HD.



TITLE
12' FACE HD FOUR SECTOR COMPLETE PLTFRM

SIZE C	SCALE 1:30	DOCUMENT NO. MTC3946HD		
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VERSION	STATUS	REVISION	
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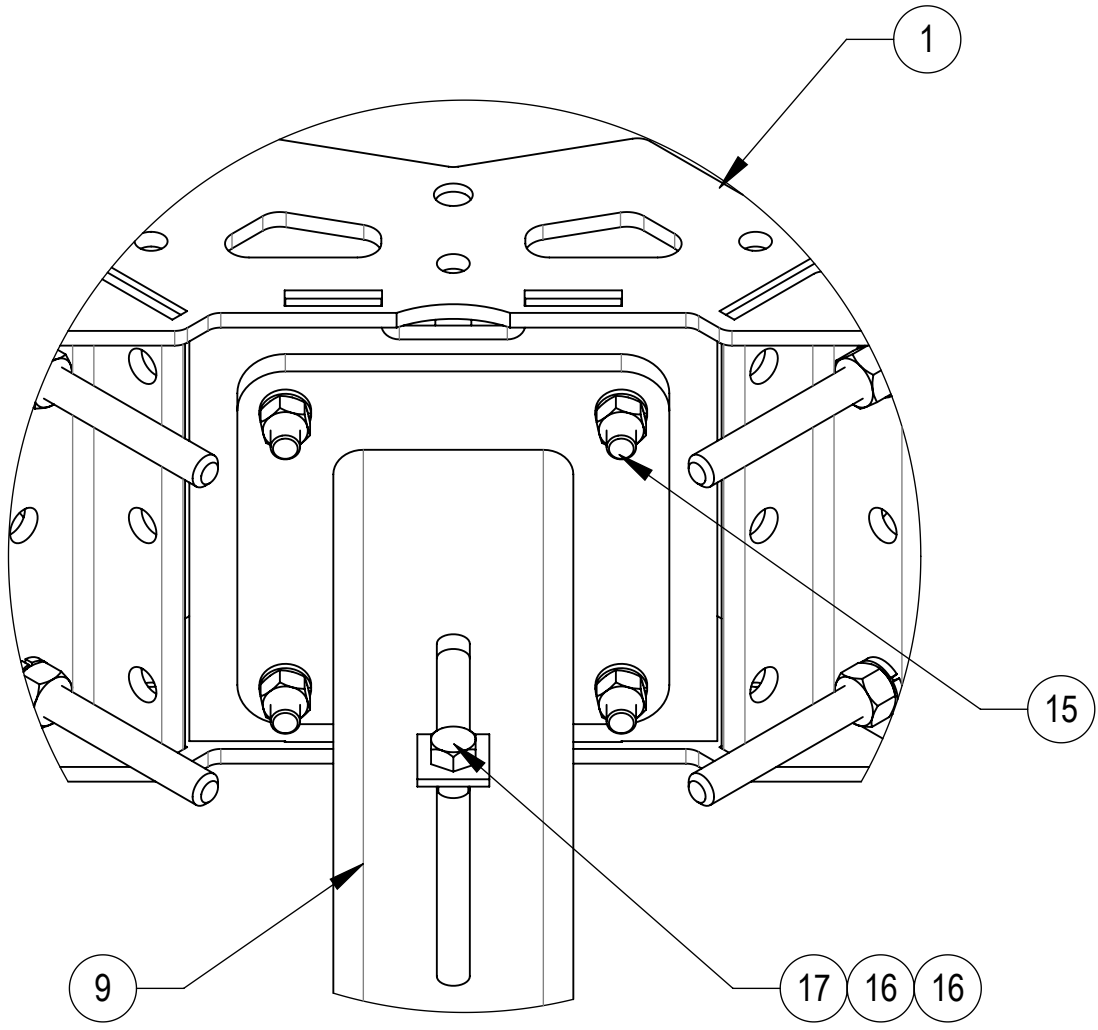
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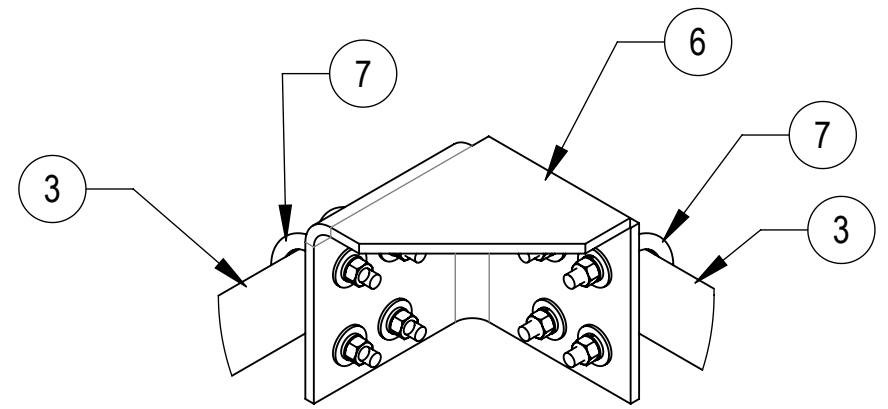
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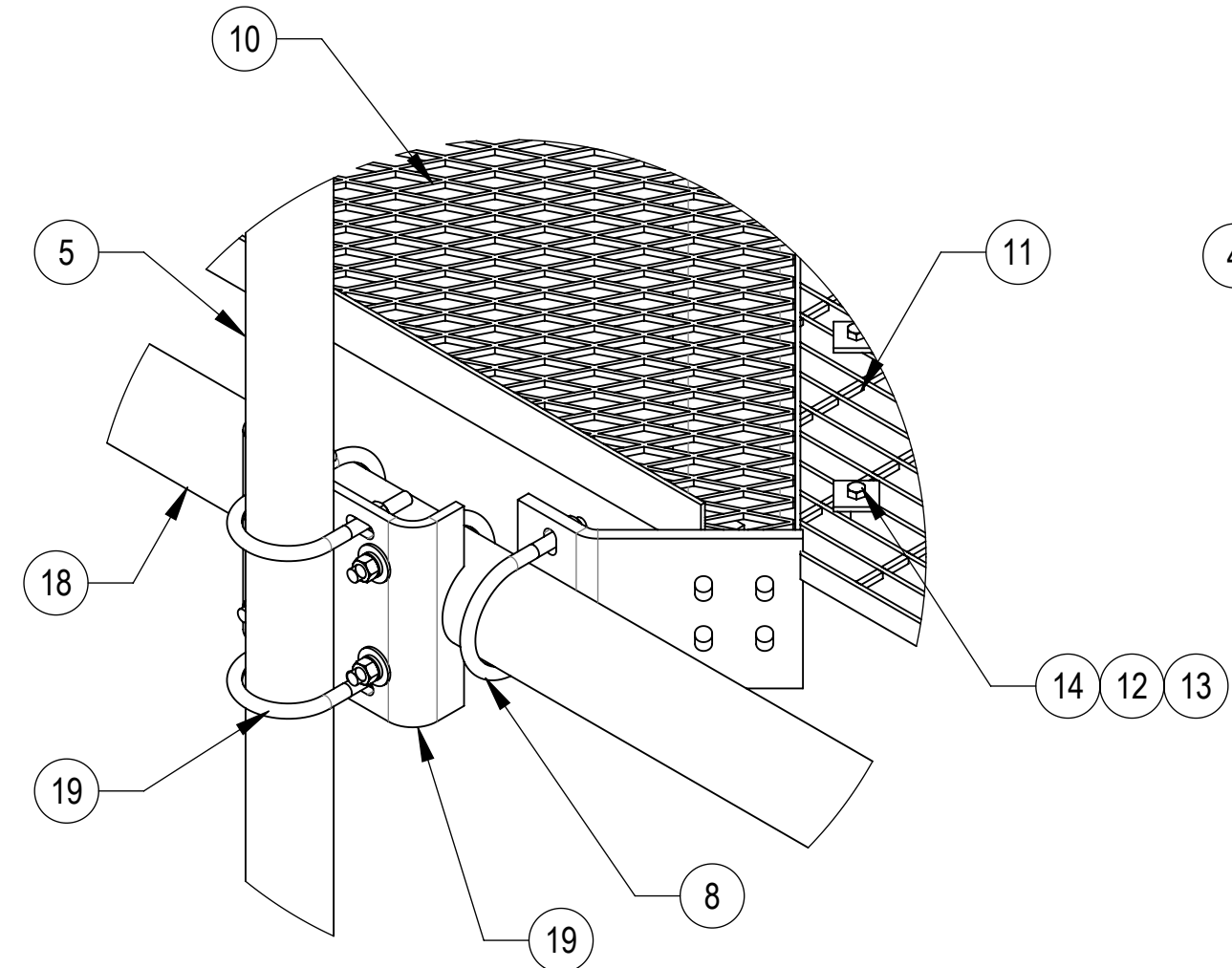
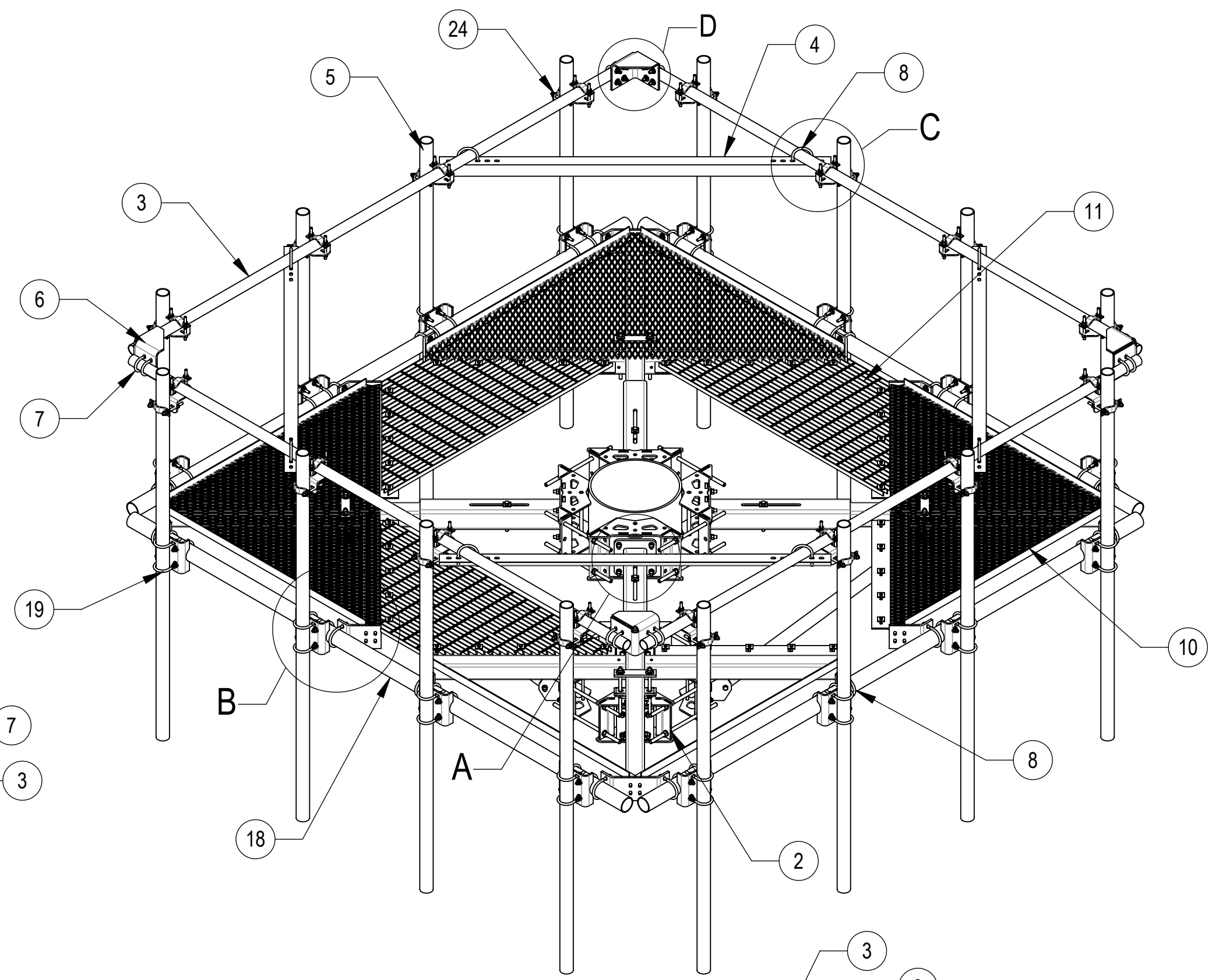
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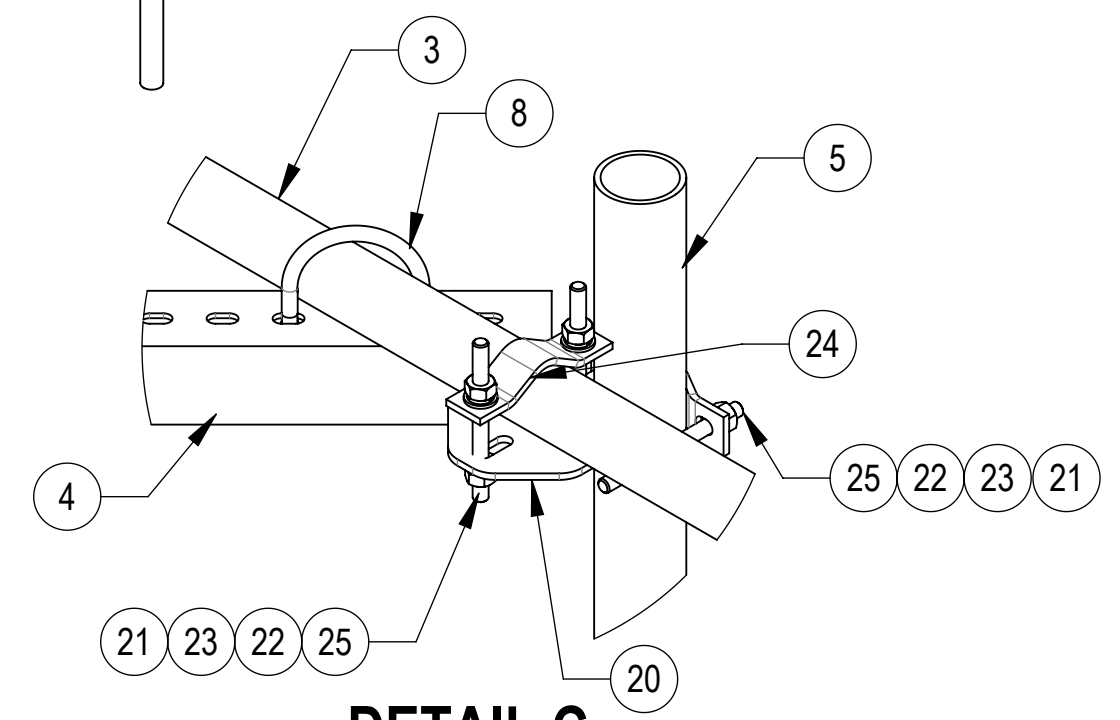
DETAIL A
SCALE 1 : 4



DETAIL D
SCALE 1 : 6



DETAIL B
SCALE 1 : 6



DETAIL C
SCALE 1 : 6

HIDE GRATING FOR CLARITY

COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	MC-RM1030-4	FOUR SECTOR RING MOUNT, 10-30 OD	1	203.64 LBS	
2	RK-60-4S	REINFORCEMENT KIT, 4-SECTOR, 60" ARM	1	345.16 LBS	
3	MT-651-150	2.375" OD X 150" PIPE	4	36.34 LBS	
4	MTC343203	HANDRAIL SUPPORT ANGLE	4	25.62 LBS	
5	MT54696	PIPE, 2.875"OD X 96"	16	45.96 LBS	
6	MTC343201	CORNER BRACKET	4	13.18 LBS	
7	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	16	0.56 LBS	
8	GUB-4355	1/2" X 3-5/8" X 5" GALV U-BOLT	24	0.71 LBS	
9	MTC820102	SLIDER BASE	4	65.55 LBS	
10	MTC820103	PLATFORM	4	298.14 LBS	
11	MTC820113	GRATING CORNER FILLER	4	62.78 LBS	
12	MT-387	SQUARE WASHER 1-1/2"X1-1/2" W/ 7/16 HOLE	40	0.11 LBS	
13	GWf-03	3/8" GALV FLAT WASHER	40	0.01 LBS	
14	GB-03225	3/8" X 2-1/4" GALV BOLT KIT	40	0.09 LBS	
15	GB-0524A	5/8" X 2-1/2" GALV BOLT KIT (A325)	16	0.30 LBS	
16	MT389	WASHER, 1-1/2" X 1 5/8", 11/16" HOLE,SQ	8	0.11 LBS	
17	GB-0570A	5/8" X 7" GALV BOLT KIT A325	4	0.69 LBS	
18	MT21601	PIPE, 3-1/2"OD X 150"	4	75.85 LBS	
19	MT-219M-H	3.5" OD X 2-7/8" OD CLAMP BRACKET ASSY	16	12.80 LBS	
20	XAU01	ANGLE, CROSSOVER, 1.9-3.5" X 1.9-3.5" OD	16	2.98 LBS	
21	GWf04A	1/2" GALV FLAT WASHER (A325)	128	0.02 LBS	
22	GN-04A	1/2" GALV HEX NUT (A194 2H)	128	0.07 LBS	
23	GWL-04	1/2" GALV LOCK WASHER	128	0.01 LBS	
24	ACP10	1.5" - 3.5" O.D. CLAMP HALF	32	0.61 LBS	
25	MT-379-6	1/2" X 6" GALV THREADED ROD	64	0.33 LBS	

**ANDREW**[®] an Amphenol company

TITLE
12' FACE HD FOUR SECTOR COMPLETE PLTFRM

SIZE
C

SCALE
1:64

DOCUMENT NO.
MTC3946HD

DRAWING

VERSION

01

STATUS

RE

REVISION

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SHEET
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