1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 FOR PATENT INFO: https://www.adwpat.com

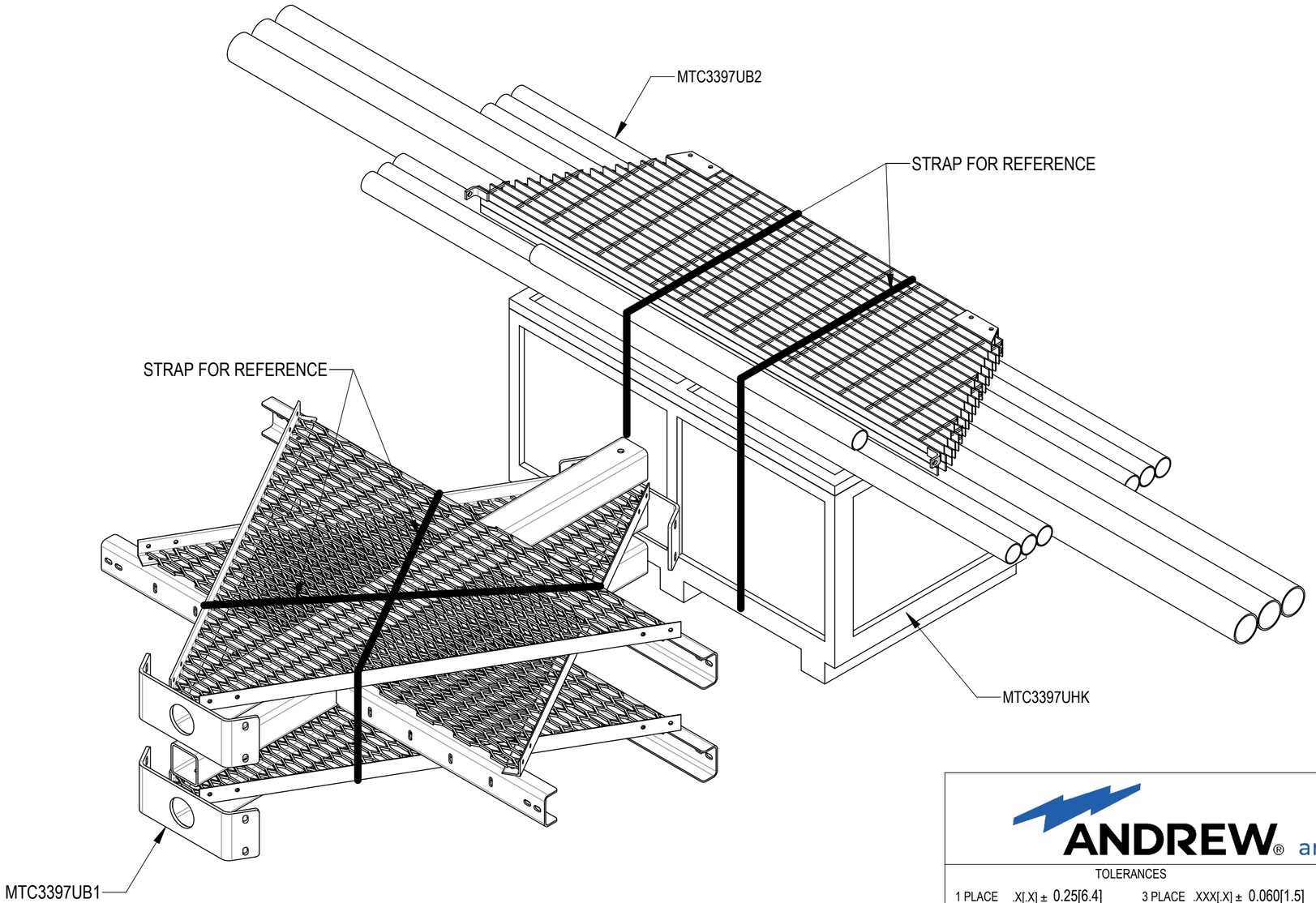
2.0 DESIGN NOTES
- 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY BE REQUIRED TO MAINTAIN THE INTEGRITY OF THE SAFETY CLIMB. DURING INSTALLATION, TEMPORARY AND/OR PERMANENT PRECAUTIONARY MEASURES 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	ADW 8/7/2015	8000009653
B	UPDATED MTC3397U01 WELDMENT	ES1081 05/15/20	8000039312
C	MTC300618 WAS MT19617; GB-04205 WAS GB-04145	RY1002 27APR25	BA1025 50102553AMO



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TOLERANCES			
1 PLACE	.X[.X] ± 0.25[6.4]	3 PLACE	.XXX[.X] ± 0.060[1.5]
2 PLACE	.XX[.X] ± 0.12[3.0]	ANGLES	± 2°

SAP MATERIAL MASTER: **MTC3397U**

FINISH

MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994

	NAME	DATE
CE	ES1081	03/25/20
RW	RY1002	05/22/2025
AD	YMENG	05/22/2025
RE	YMENG	05/22/2025
ECN	50102553AMO	

TITLE: **10-30 FULL GRATING MONOPOLE PLATFORM**

SCALE: **1:10**

DOCUMENT NO.: **MTC3397U**

DENSITY		lbs/in³
MASS	1526.75	lbs
VOLUME	10025.54	in³
SURFACE AREA	73887.72	in²
HEIGHT	96"	
LENGTH	170"	
WIDTH	148"	

SIZE: **C**

Auth Group: INSL

MODEL			DRAWING			SHEET
VERSION	STATUS	REVISION	VERSION	STATUS	REVISION	
01	RE	B	03	RE	C	1 OF 6

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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)*			INCLUDED PARTS		
			MIN	MAX	MIN	MAX	ANTENNA PIPES	MTC3397UB1	MTC3397UB2	MTC3397UHK
MTC3397U	10-30 FULL GRATING MONOPOLE PLATFORM	1526.75	23.57	23.99	28.77	29.30	6	1	1	1

* (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)*
2-3/8" X 96"	1.52	2.16

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, THE MAXIMUM OF MTC3397U HAS A 3-SECTOR EPA OF 23.99 FT2 WITH NO ICE PLUS 6 ANTENNA PIPES WITH A 3-SECTOR EPA OF 6X1.52=9.12 FT2 WITH NO ICE.
   SO, THE TOTAL EPA OF 33.11 FT2 FOR THE MAXIMUM OF MTC3397U.

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TITLE
10-30 FULL GRATING MONOPOLE PLATFORM

SIZE	SCALE	DOCUMENT NO.			
C	1:1	MTC3397U			
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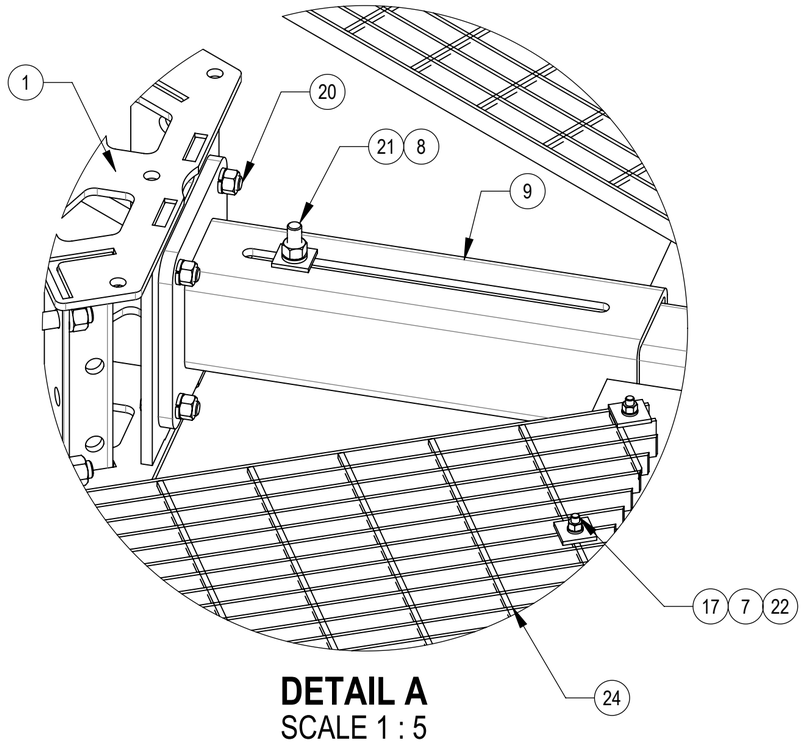
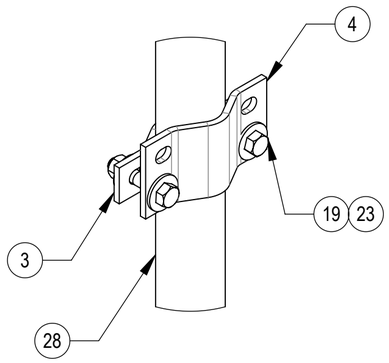
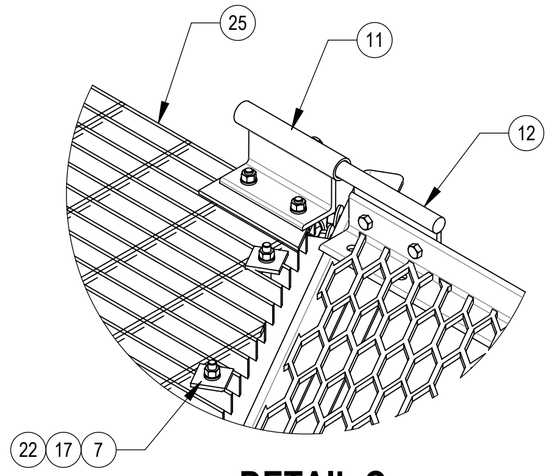
		VERSION	STATUS	REVISION	
		03	RE	C	2 OF 6



DETAIL A
SCALE 1 : 5



DETAIL B
SCALE 1 : 4



DETAIL C
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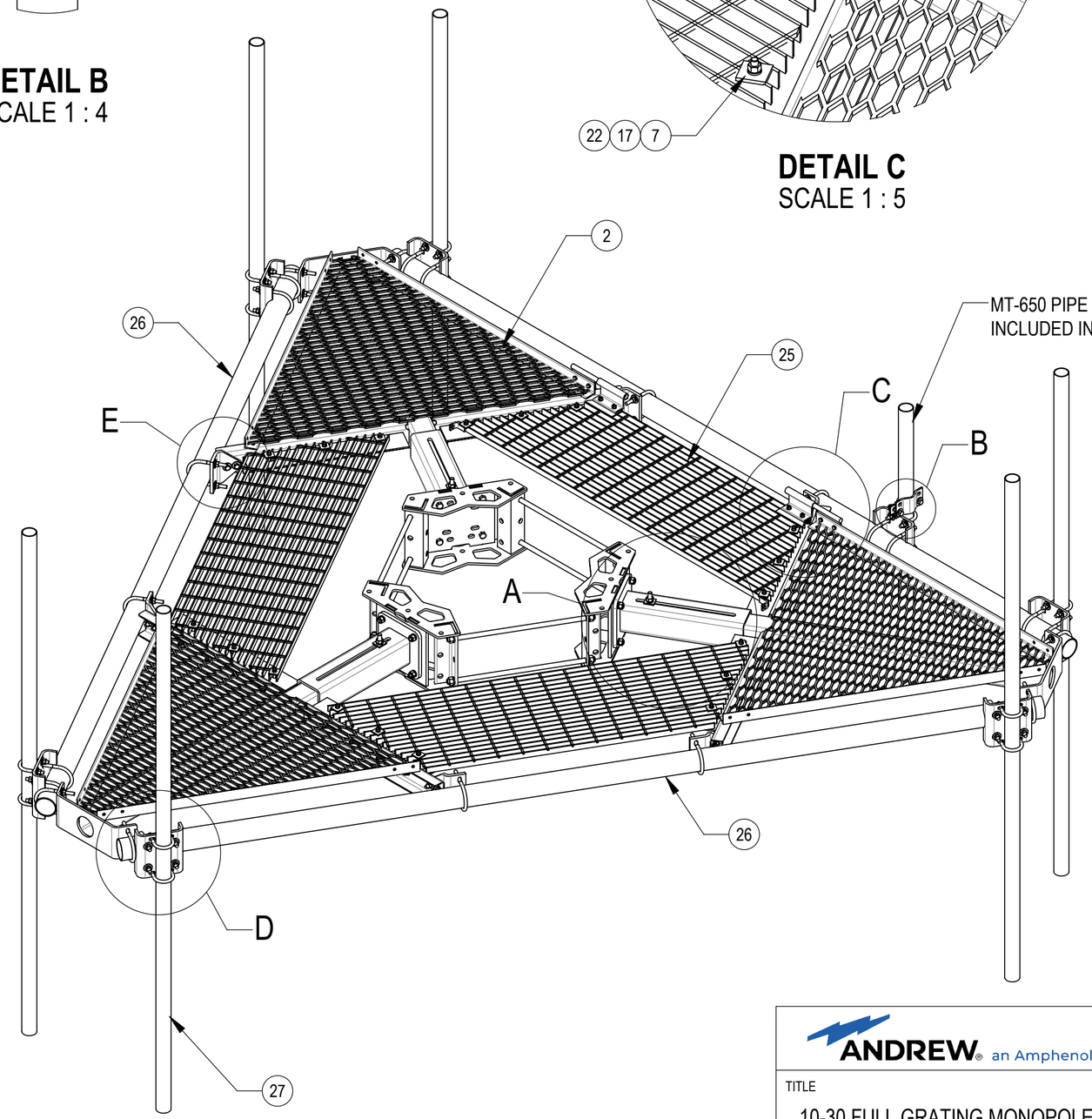

COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	WEIGHT	
1	MC-RM1030-3	∅10" - ∅30" RINGMOUNT	1	150.79 LBS	
2	MTC3397U01	PLATFORM TRIANGLE WELDMENT	3	150.90 LBS	
3	ACP10	1.5" - 3.5" O.D. CLAMP HALF	1	0.61 LBS	
4	AC-P10D	ANTENNA CLAMP HALF, 1.5"- 3.5"	1	1.22 LBS	
5	MTC300618	MOUNTING PLATE FOR MT-196	6	4.38 LBS	C
6	MT21701	PIPE MOUNT PLATE	7	7.93 LBS	
7	MT-387	SQUARE WASHER 1-1/2"X1-1/2" W/ 7/16 HOLE	18	0.11 LBS	
8	MT389	WASHER, 1-1/2" X 1 5/8", 11/16" HOLE,SQ	6	0.11 LBS	
9	MTC339702	SLIDER BASE	3	46.28 LBS	
10	MTC339712	GRATING MOUNT	6	12.45 LBS	
11	MTC339742	HINGE ANGLE WLDMNT	2	1.87 LBS	
12	MTC339732	HINGE WELDMENT	2	2.00 LBS	
13	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	14	0.56 LBS	
14	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT	26	0.81 LBS	
15	GB-03105	3/8" X 1" GALV BOLT KIT	8	0.05 LBS	
16	GB-03125	3/8" X 1-1/4" GALV BOLT KIT	24	0.06 LBS	
17	GB-03225	3/8" X 2-1/4" GALV BOLT KIT	18	0.09 LBS	
18	GB-04205	1/2" X 2" GALV BOLT KIT	12	0.16 LBS	C
19	GB-04245	1/2" X 2-1/2" GALV BOLT KIT	2	0.18 LBS	
20	GB-0520A	5/8" X 2" GALV BOLT KIT (A325)	12	0.26 LBS	
21	GB-0570A	5/8" X 7" GALV BOLT KIT A325	3	0.69 LBS	
22	GWF-03	3/8" GALV FLAT WASHER	42	0.01 LBS	
23	GWF-04	1/2" GALV FLAT WASHER	28	0.04 LBS	
24	MTC339713	GRATING CORNER FILLER	2	61.27 LBS	
25	MTC339738	GRATING DOOR	1	61.76 LBS	
26	MT21601	PIPE, 3-1/2"OD X 150"	3	75.85 LBS	
27	MT-651-96	2.375" OD X 96" PIPE	6	23.05 LBS	
28	MT-650	2.375" OD X 48" PIPE	1	11.63 LBS	

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		03	RE	C	3 OF 6

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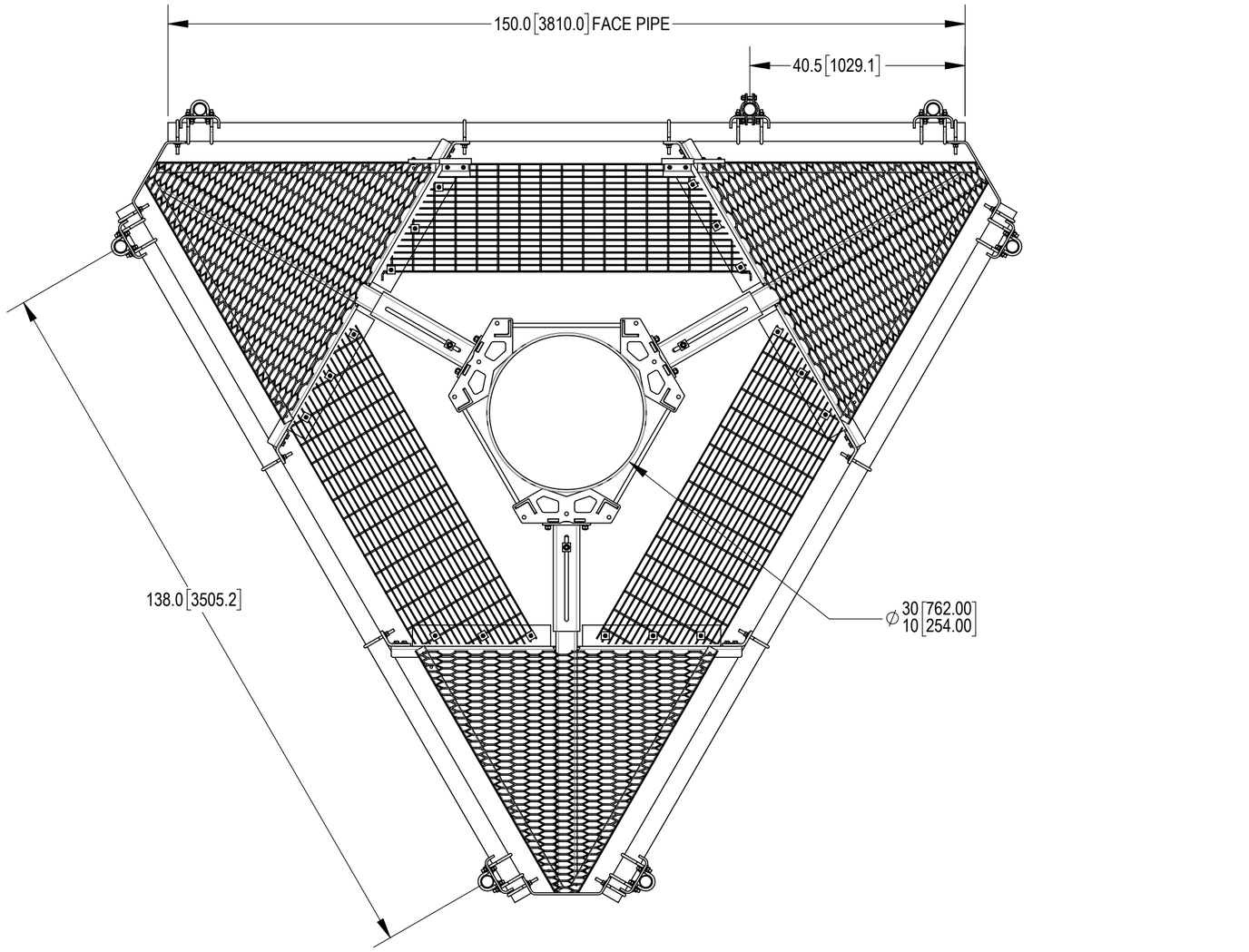

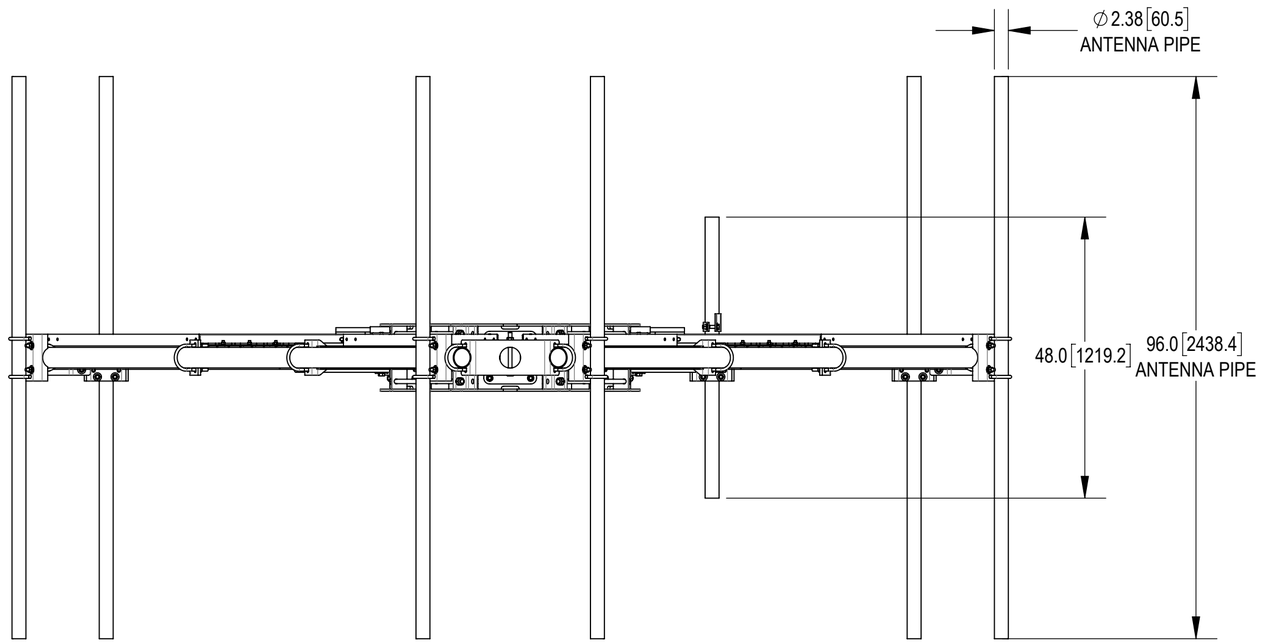

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TITLE

10-30 FULL GRATING MONOPOLE PLATFORM

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		DRAWING			SHEET
		VERSION	STATUS	REVISION	
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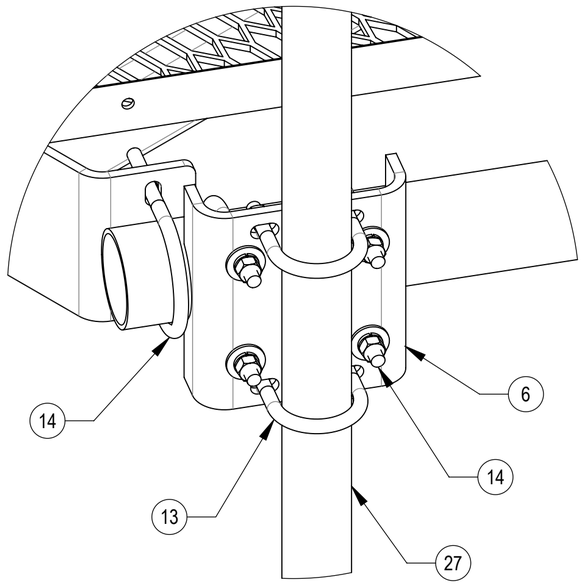
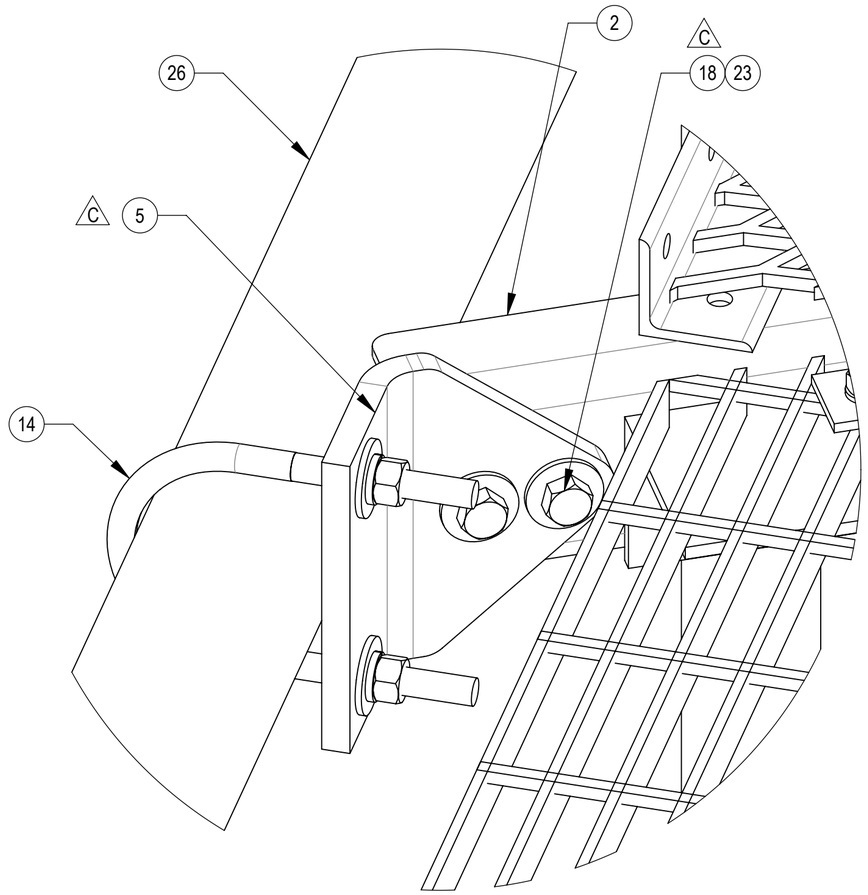
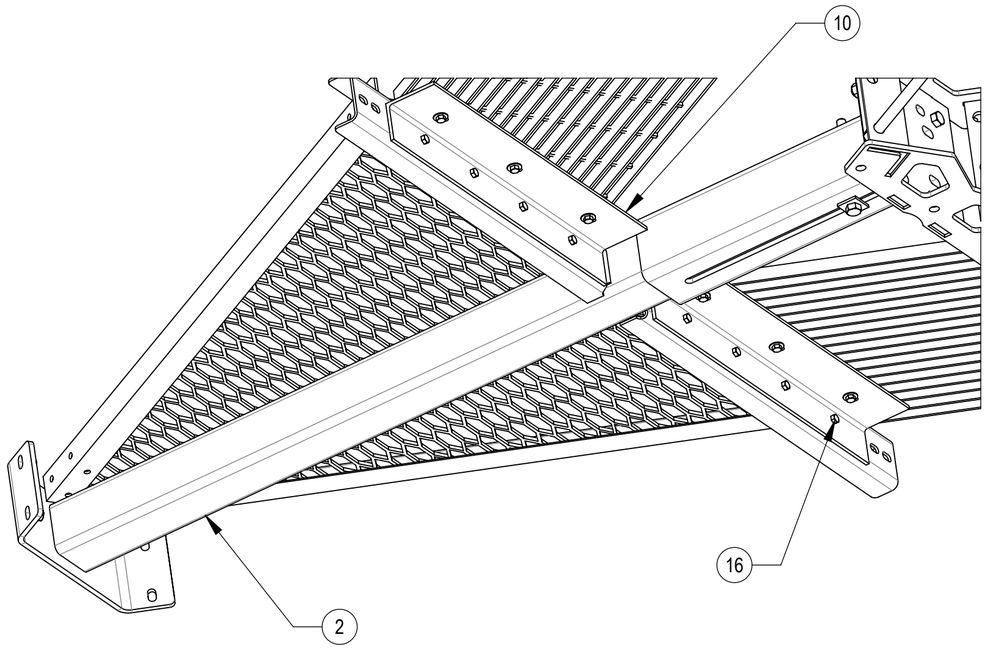


DETAIL D
SCALE 1 : 4



DETAIL E
SCALE 1 : 2



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10-30 FULL GRATING MONOPOLE PLATFORM

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C	1:10	MTC3397U			
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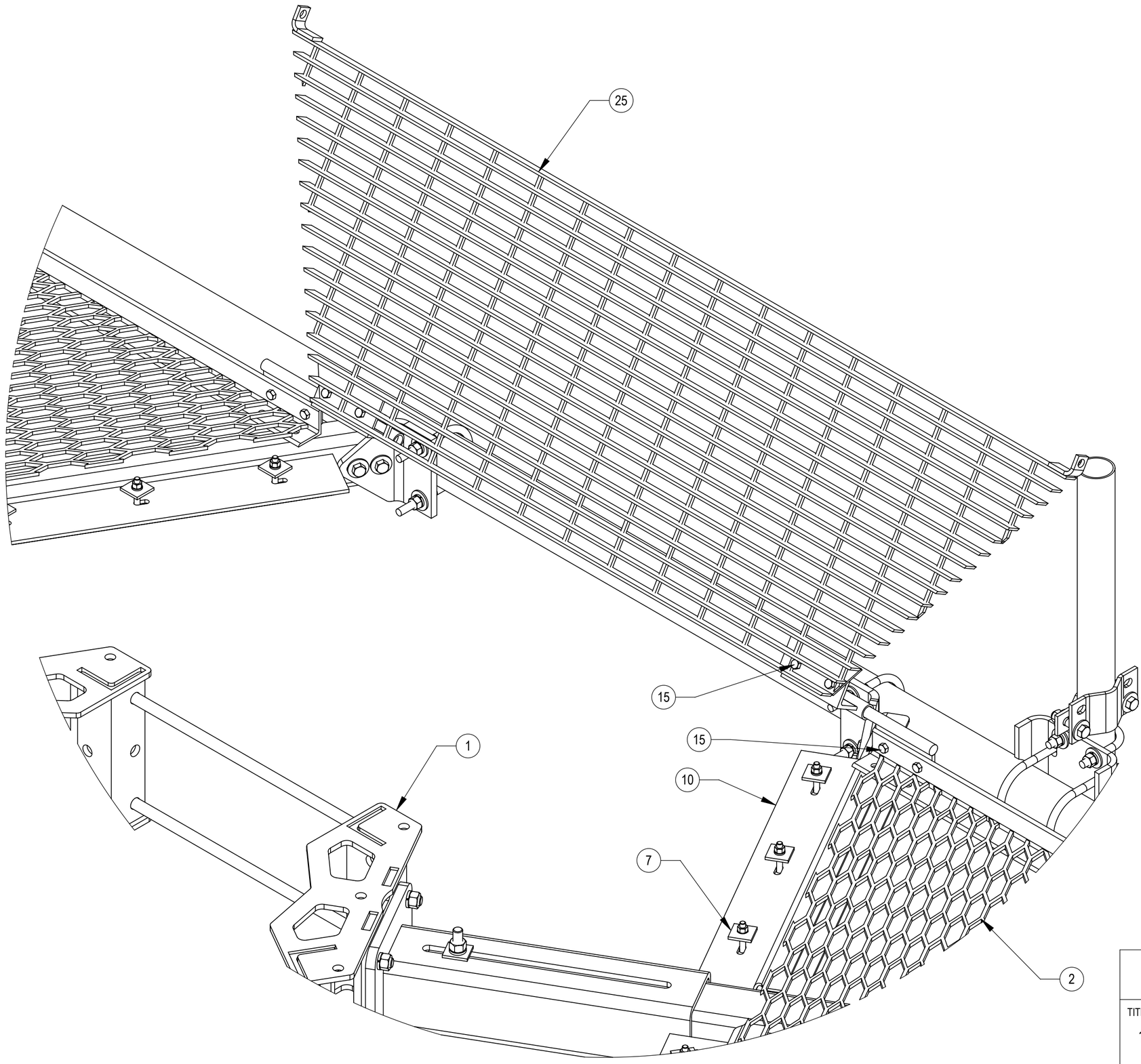
NOTES:

1.0 CUSTOMER SUPPLIED LOCKING MECHANISM FOR GRATING WHEN HINGED IN UP POSITION.

SHOWN WITH GRATING HINGED UP



DETAIL F
SCALE 1 : 5

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