1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 ADDITIONAL TF-M SERIES TABLE SHEET 2.
- 1.3 FOR PATENT INFO: https://www.adwpat.com

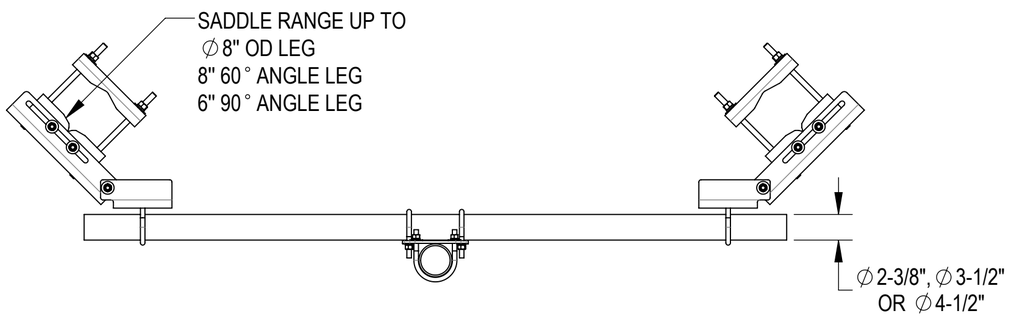
2.0 DESIGN NOTES
- 2.1 UP TO 5% ADDITIONAL HARDWARE INCLUDED.
- 2.2 ANTENNAS MUST BE POSITIONED EQUALLY SPACED VERTICALLY BETWEEN SPAN OF FACE MOUNTS.

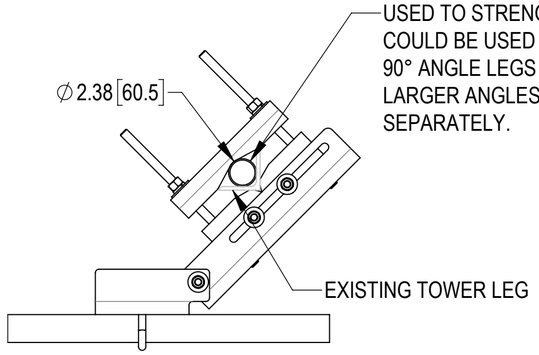
3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 3.1 TIGHTEN ALL BOLTS 3/8" OR LARGER SECURING FLAT PLATES SNUG TIGHT. TIGHTEN ALL U-BOLTS/THREADED RODS SNUG TIGHT, WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF U-BOLT/THREADED ROD.
- 3.2 SNUG TIGHT IS DEFINED AS THE CONDITION OBTAINED 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 FOR BOLTS SMALLER THAN 3/8", TIGHTEN HARDWARE UNTIL ALL COMPONENTS ARE FLUSH, LOCK WASHERS ARE COMPRESSED, AND JOINT IS SNUG

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

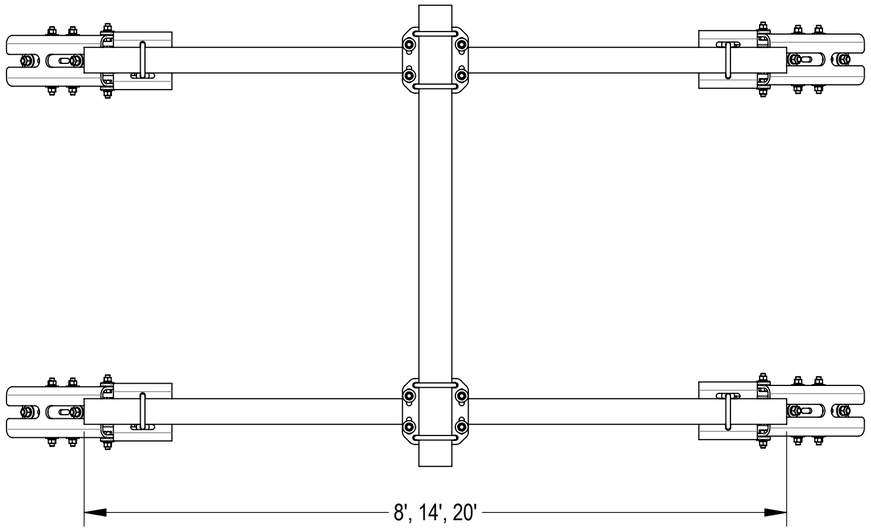
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
G	UPDATED DRAWING BOM TO MATCH SAP	LS1146 24FEB23	YW1045 40166242CMO
H	SHEET 2: UPDATED TABLE	YX1027 21JUN24	BA1025 40198118CMO
J	ADDED MT65060	RY1002 21APR25	WQ1001 50102426AMO
K	SHEET 2: ADDED TF-M4S2-6	YX1027 15OCT26	XK1001 50110428AMO

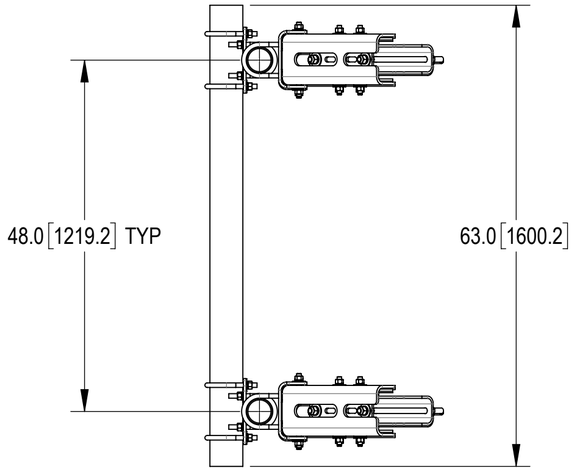




CROP VIEW

REFERENCE: 9 TAPER @ 48" SEPARATION





TF-M3-8 SHOWN FOR REFERENCE

ANDREW® an Amphenol company

TOLERANCES		SAP MATERIAL MASTER
1 PLACE .X[.X] ± .12[3.0]	3 PLACE .XXX[.X] ± .030[0.76]	SEE TABLE
2 PLACE .XX[.X] ± .06[1.5]	ANGLES ± 2°	

FINISH	MATERIAL

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

	NAME	DATE
CE	MSM	23JAN09
RW	YX1027	10/18/2026
AD	XK1001	10/18/2026
RE	YMENG	10/20/2026

ECN 50110428AMO

TITLE: FACE MOUNT SERIES

SCALE: 1:20

DOCUMENT NO.: TF-M SERIES

DENSITY	lbs/in³
MASS	lbs
VOLUME	in³
SURFACE AREA	in²
HEIGHT	
LENGTH	
WIDTH	

SIZE	Auth Group	MODEL			DRAWING			SHEET
	INSL	VERSION	STATUS	REVISION	VERSION	STATUS	REVISION	
C		03	RE	K	03	RE	K	1 OF 5

Confidential

ITEM	DESCRIPTION	MT-653-63	MT65060 (BPS-ACC-D-060-H)	TFMHK2	TFMHK3	TFMHK4	MT54796	MT-547-174	MT-547	MT-651-96	MT-537-170	MT-538	MT-654-96 (BPS-ACP-G-096-H)	MTC987205	TFMSS2HK	TFMSS3HK	TFMSS4HK	MT-650-63 (BPS-ACC-D-063-H)	BPS-ACP-G-072-H	TF-ST	WEIGHT
TF-M2-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE	1	2	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	509.22 LBS
TF-M2S-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	2	-	-	-	-	1	-	-	1	-	-	543.66 LBS
TF-M2-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE	1	2	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	545.07 LBS
TF-M2S-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	2	-	-	-	1	-	-	1	-	-	579.51 LBS
TF-M2-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE	1	2	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	584.80 LBS
TF-M2S-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	-	2	-	-	1	-	-	1	-	-	619.24 LBS
TF-M3-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE	1	2	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	563.03 LBS
TF-M3S-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	2	-	-	-	-	-	-	-	-	1	-	1	-	-	598.05 LBS
TF-M3-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE	1	2	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	636.99 LBS
TF-M3S-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	2	-	-	-	-	-	-	-	1	-	1	-	-	672.01 LBS
TF-M3-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE	1	2	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	720.79 LBS
TF-M3S-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	-	2	-	-	-	-	-	-	1	-	1	-	-	755.81 LBS
TF-M4-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	677.25 LBS
TF-M4S-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	1	1	-	-	721.94 LBS
TF-M4-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-	-	813.17 LBS
TF-M4S-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/ (1EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	1	1	-	-	857.85 LBS
TF-M2S2-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	2	-	-	-	-	2	-	-	2	-	-	578.10 LBS
TF-M2S2-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	2	-	-	-	2	-	-	2	-	-	613.95 LBS
TF-M2S2-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	-	2	-	-	2	-	-	2	-	-	653.68 LBS
TF-M3S2-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	2	-	-	-	-	-	-	-	-	2	-	2	-	-	633.07 LBS
TF-M3S2-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	2	-	-	-	-	-	-	-	2	-	2	-	-	707.04 LBS
TF-M3S2-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	-	2	-	-	-	-	-	-	2	-	2	-	-	790.84 LBS
TF-M4S2-6	TOWER FACE MOUNT,4.5" OD X 6' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	-	-	-	2	2	2	-	722.78 LBS
TF-M4S2-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	2	2	-	-	766.62 LBS
TF-M4S2-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	2	2	-	-	902.53 LBS
TF-ML2-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/14" STAND-OFF	1	2	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	548.59 LBS
TF-M4S2-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	2	2	-	-	902.53 LBS
TF-ML2-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/14" STAND-OFF	1	2	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	548.59 LBS
TF-ML2-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE,W/14" STAND-OFF	1	2	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	584.44 LBS
TF-ML2-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE,W/14" STAND-OFF	1	2	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	624.17 LBS
TF-ML3-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE,W/14" STAND-OFF	1	2	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	600.78 LBS
TF-ML3-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE,W/14" STAND-OFF	1	2	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	674.75 LBS
TF-ML3-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE,W/14" STAND-OFF	1	2	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	758.55 LBS
TF-ML4-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE,W/14" STAND-OFF	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-	-	1	714.46 LBS
TF-ML4-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/14" STAND-OFF	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-	1	850.38 LBS
TF-ML2S-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	2	-	-	-	-	1	-	-	1	-	1	583.03 LBS
TF-ML2S-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	2	-	-	-	1	-	-	1	-	1	618.89 LBS
TF-ML2S-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	-	2	-	-	1	-	-	1	-	1	658.61 LBS
TF-ML3S-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	2	-	-	-	-	-	-	-	-	1	-	1	-	1	635.81 LBS
TF-ML3S-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	2	-	-	-	-	-	-	-	1	-	1	-	1	709.77 LBS
TF-ML3S-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	-	2	-	-	-	-	-	-	1	-	1	-	1	793.57 LBS
TF-ML4S-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	1	1	-	1	759.15 LBS
TF-ML4S-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/14" STAND-OFF, W/ (1EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	1	1	-	1	895.06 LBS
TF-ML2S2-8	TOWER FACE MOUNT, 2.38" OD X 8' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	2	-	-	-	-	2	-	-	2	-	1	617.48 LBS
TF-ML2S2-14	TOWER FACE MOUNT, 2.38" OD X 14' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	2	-	-	-	2	-	-	2	-	1	655.27 LBS
TF-ML2S2-20	TOWER FACE MOUNT, 2.38" OD X 20' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	1	-	-	-	-	-	-	-	2	-	-	2	-	-	2	-	1	693.05 LBS

TF-M SERIES

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ANDREW® an Amphenol company

TITLE: FACE MOUNT SERIES

SIZE	SCALE	DOCUMENT NO.
C	2:1	TF-M SERIES

DRAWING			SHEET
VERSION	STATUS	REVISION	
03	RE	K	2 OF 5

ITEM	DESCRIPTION	MT-653-63	MT65060 (BPS-ACC-D-060-H)	TFMHK2	TFMHK3	TFMHK4	MT54796	MT-547-174	MT-547	MT-651-96	MT-537-170	MT-538	MT-654-96 (BPS-ACP-G-096-H)	MTC987205	TFMSS2HK	TFMSS3HK	TFMSS4HK	MT-650-63 (BPS-ACC-D-063-H)	BPS-ACP-G-072-H	TF-ST	WEIGHT
TF-ML3S2-8	TOWER FACE MOUNT, 3.5" OD X 8' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	2	-	-	-	-	-	-	-	-	2	-	2	-	1	670.83 LBS
TF-ML3S2-14	TOWER FACE MOUNT, 3.5" OD X 14' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	2	-	-	-	-	-	-	-	2	-	2	-	1	744.79 LBS
TF-ML3S2-20	TOWER FACE MOUNT, 3.5" OD X 20' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	1	2	-	1	-	-	-	2	-	-	-	-	-	-	2	-	2	-	1	828.59 LBS
TF-ML4S2-8	TOWER FACE MOUNT, 4.5" OD X 8' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	3	-	-	-	2	2	-	1	803.83 LBS
TF-ML4S2-14	TOWER FACE MOUNT, 4.5" OD X 14' PIPE,W/14" STAND-OFF, W/ (2EA) 2.38"X 63" STRUT SUPPORT	-	2	-	-	1	-	-	-	-	-	-	1	2	-	-	2	2	-	1	939.75 LBS

TF-M SERIES

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ANDREW® an Amphenol company

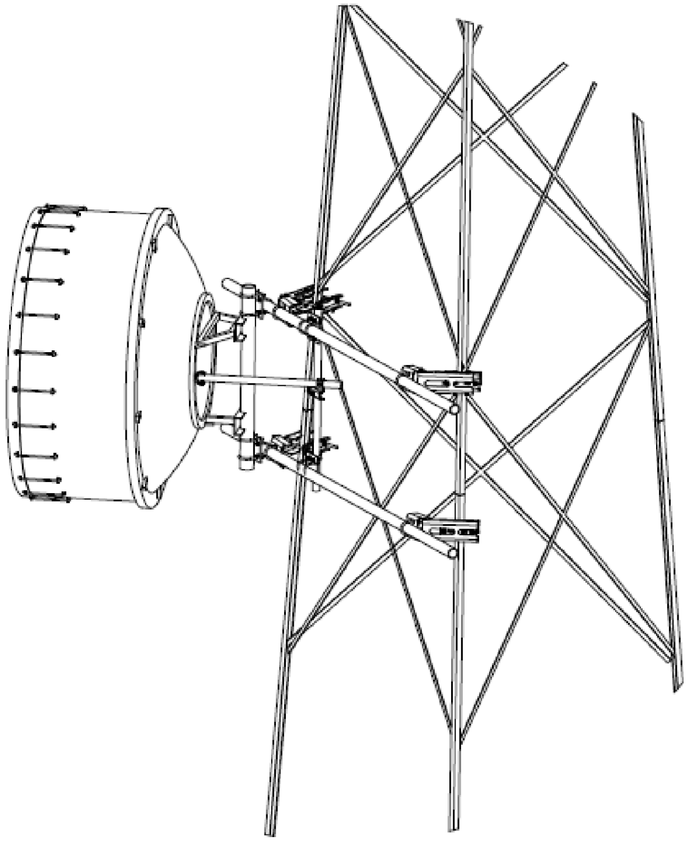
TITLE

FACE MOUNT SERIES

SIZE	SCALE	DOCUMENT NO.			
C	2:1	TF-M SERIES			
		DRAWING			SHEET
		VERSION	STATUS	REVISION	
		03	RE	K	3 OF 5

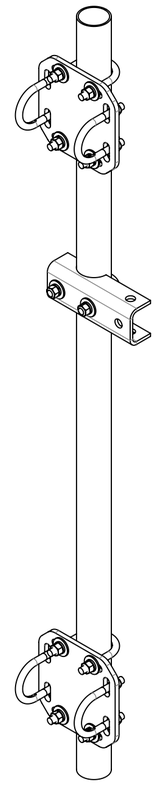
DISH DIAMETER TO TOWER FACE MOUNT CHART

DISH DIAMETER	TOWER FACE MOUNT								
	TF-M2-8	TF-M2-14	TF-M2-20	TF-M3-8	TF-M3-14	TF-M3-20	TF-M4-6	TF-M4-8	TF-M4-14
2' (0.6m)	X	X	X	X	X	X	X	X	X
4' (1.2m)	X	X	X	X	X	X	X	X	X
6' (1.8m)	X	-	-	X	X	X	X	X	X
8' (2.4m)	-	-	-	X	X	X	X	X	X
10' (3.1m)	-	-	-	X	X	X	X	X	X
12' (3.7m)	-	-	-	X	X	-	-	-	X
15' (4.6m)	-	-	-	-	-	-	-	X	-



OPTIONAL
TOWER FACE MOUNT STRUT SUPPORTS

PART NO	DESCRIPTION	TF-M SERIES
TF-MSS-2	TOWER FACE MOUNT STRUT SUPPORT 2-3/8"OD X 2-3/8"OD	TF-M2-XX / TF-ML2-XX
TF-MSS-3	TOWER FACE MOUNT STRUT SUPPORT 2-3/8"OD X 3-1/2"OD	TF-M3-XX / TF-ML3-XX
TF-MSS-4	TOWER FACE MOUNT STRUT SUPPORT 2-3/8"OD X 4-1/2"OD	TF-M4-XX / TF-ML4-XX



NOTE: CONSULT FACTORY/DISTRIBUTOR
FOR CORRECT ASSEMBLY.

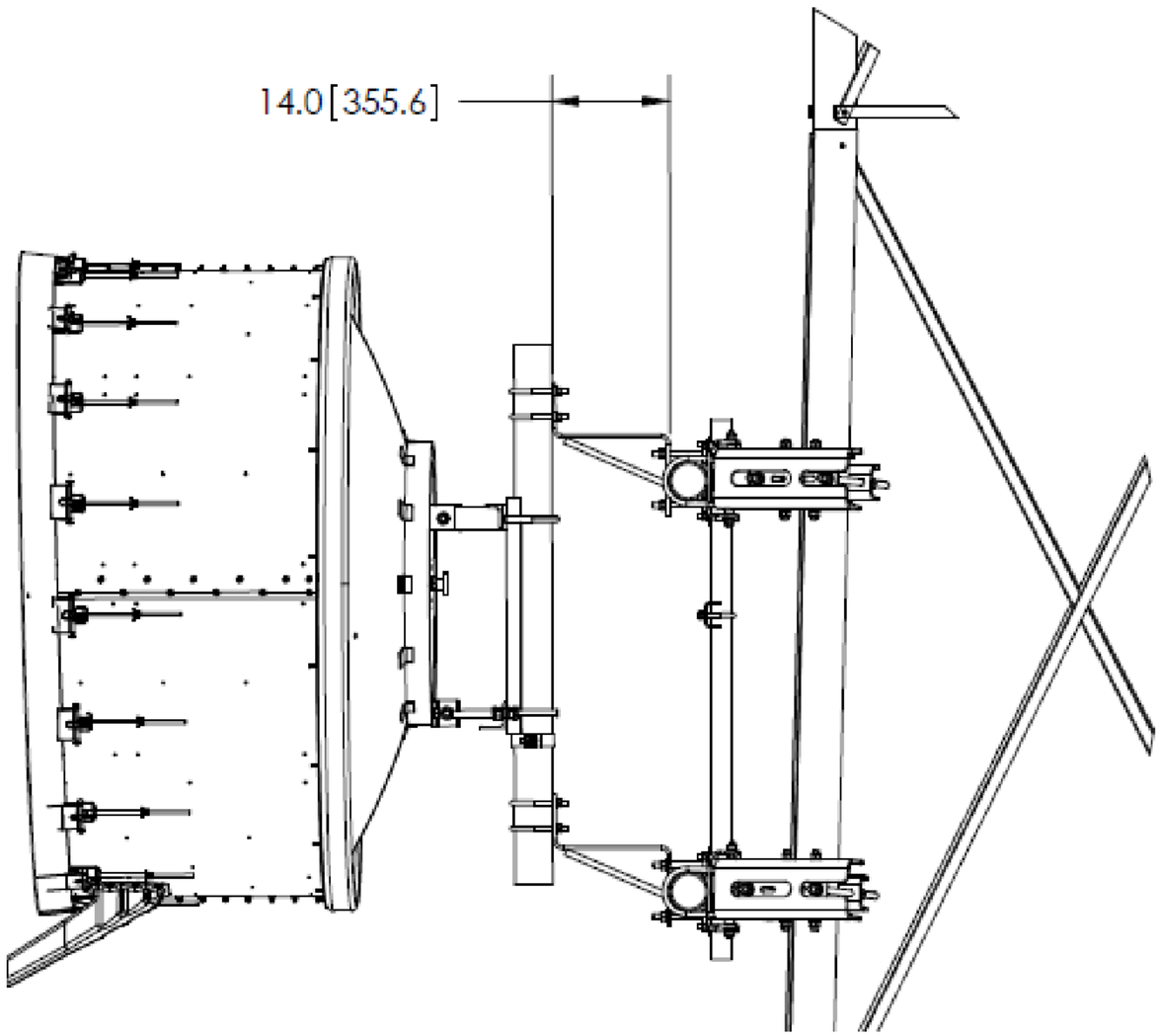
ANDREW® an Amphenol company

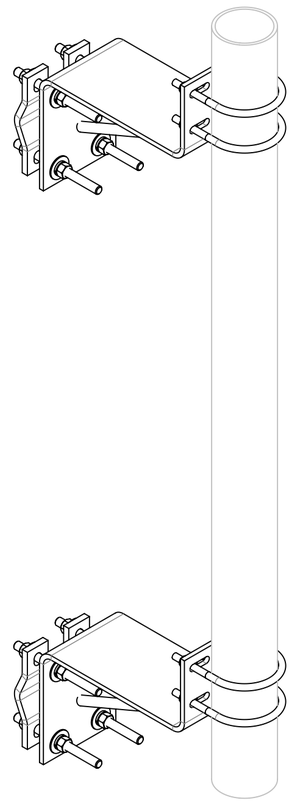
TITLE: FACE MOUNT SERIES

SIZE	SCALE	DOCUMENT NO.			
C	1:10	TF-M SERIES			
		DRAWING			SHEET
		VERSION	STATUS	REVISION	
		03	RE	K	4 OF 5

Confidential

OPTIONAL TF-ST
TOWER FACE MOUNT STAND-OFF





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ANDREW® an Amphenol company

TITLE			
FACE MOUNT SERIES			
SIZE	SCALE	DOCUMENT NO.	
C	1:10	TF-M SERIES	
		DRAWING	SHEET
		VERSION / STATUS / REVISION	
		03 / RE / K	5 OF 5