

SYM.	PART #	DESCRIPTION	QTY.
1	AB5924(9L)HD	TOWER MOUNT ASSY (LEVELER), HDG	1
2	AS REQ'D	DIA. AS REQ'D (DRILLED FOR LEVELER)	1
3	AB5941TM862	CLAMP CHANNEL ASS'Y, HDG	4
4	B1034-16A449HDG	5/8" x 16" THREADED ROD A449 HDG	8
5	H1-0625-200A325HDG	5/8"x2" BOLT A325 HDG	8
6	H2-0625HN2HHDG	5/8" HVY. HEX NUT GR.2H, HDG	24
7	H4-0625LWHDG	5/8" LOCKWASHER HDG	24
8	H1-0750-500TB	3/4"x5" TAP BOLT GR.8 YZ	4
9	H2-0750JN	3/4" JAM NUT Z/P	16
10	H3-0750FW	3/4" USS FLATWASHER Z/P	16
11	H2-0750LW	3/4" LOCKWASHER Z/P	4

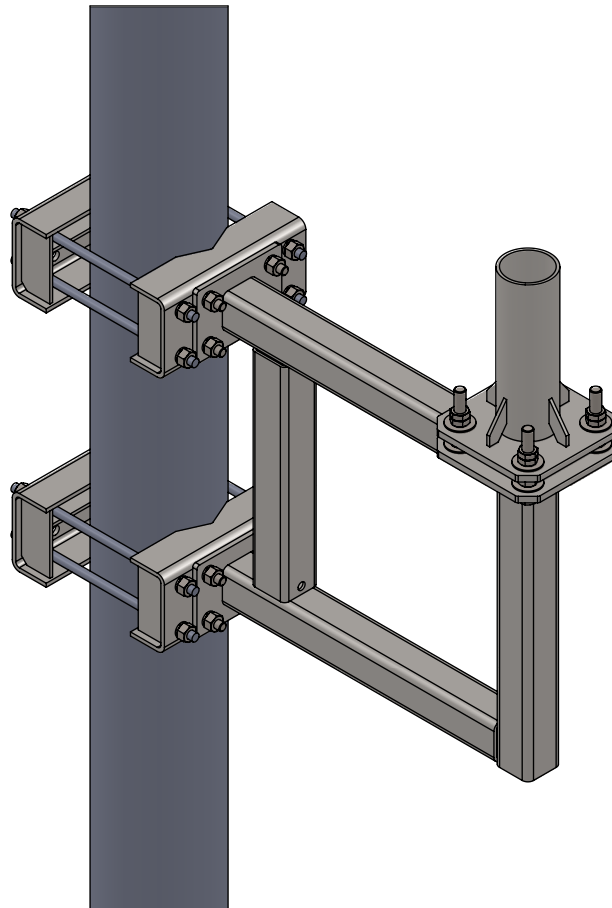
TOOLS:

TORQUE WRENCH

(1) 1-1/16" SOCKET

(1) 1-1/16" COMBINATION WRENCH OR ADJUSTABLE WRENCH

(2) 1-1/8" COMBINATION WRENCH



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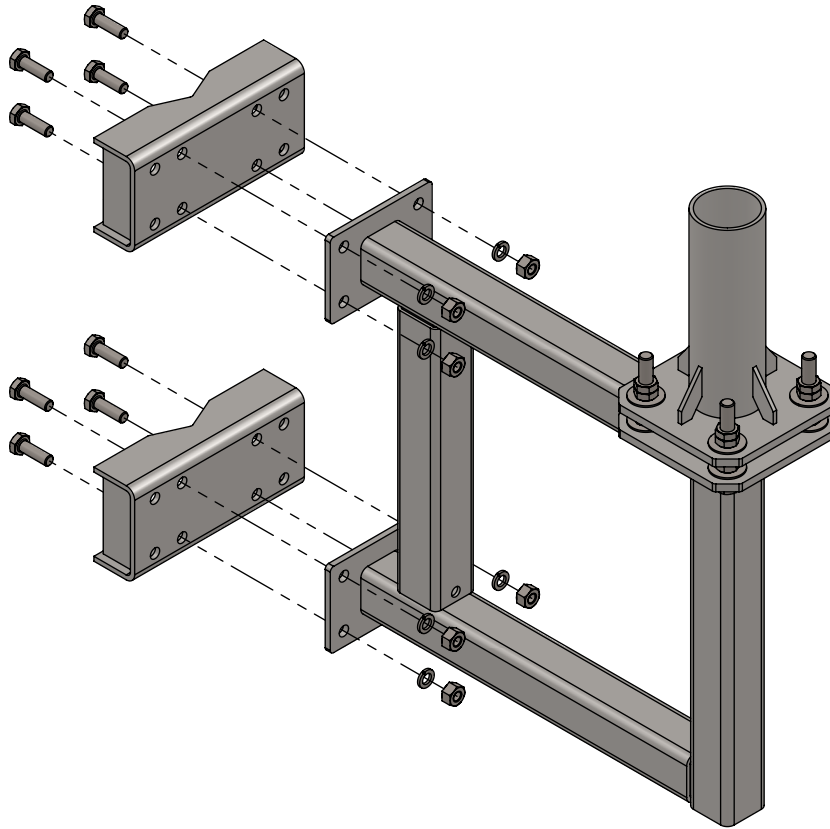
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TITLE:
TM18-(000)X1LD-862

DRAWN BY JK	DATE 11/30/21
MATERIAL -	FINISH -
DWG. PURPOSE INSTRUCTION	SHEET 1
PART. NO. -	SCALE -
DWG. NO. TM18-(000)X1LD-862	

REV. 12/2022



ATTACH TWO CLAMP CHANNELS TO THE TOWER MOUNT USING
(8) 5/8"x2" BOLTS, LOCKWASHERS AND NUTS

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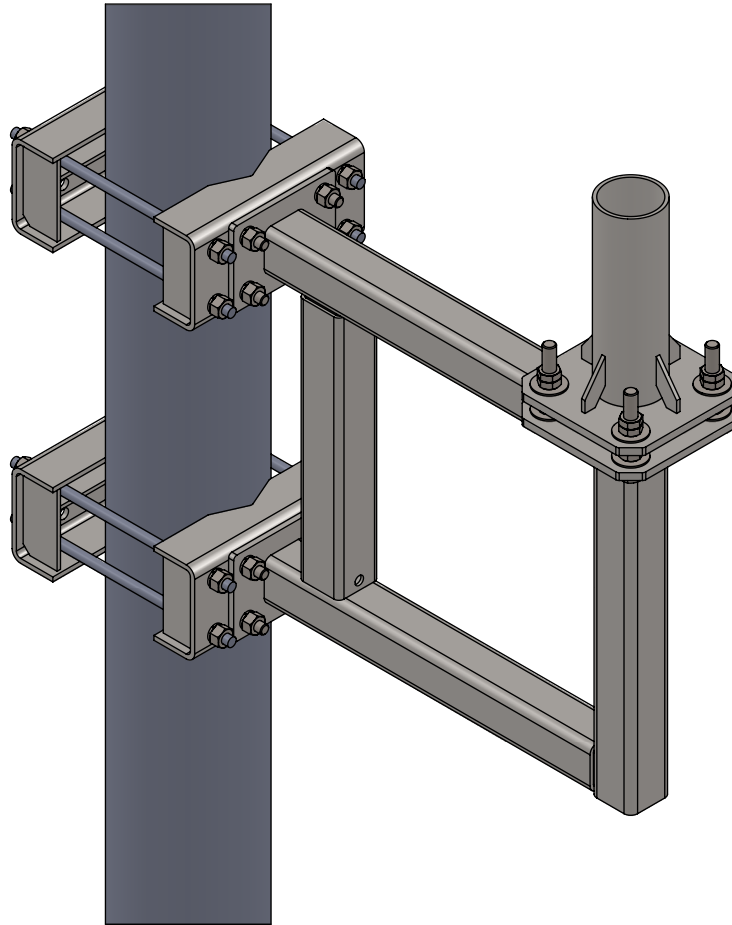
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DWG. PURPOSE INSTRUCTION	SHEET 2	SCALE -
PART. NO. -		
DWG. NO. TM18-(000)X1LD-862		



CLAMP THE TOWER MOUNT ASSY TO THE TOWER LEG WITH 5/8"x16" THREADED RODS USING A NUT AND LOCKWASHER AT EACH END.

DETAILED INSTRUCTIONS FOR TIGHTENING THE CLAMPS TO THE TOWER LEG ARE SHOWN ON PAGE 4

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DWG. PURPOSE INSTRUCTION	SHEET 3	SCALE -
PART. NO. -		
DWG. NO. TM18-(000)X1LD-862		

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CLAMP TIGHTENING PROCEDURE

- Do not apply lubricant or wax to the threads on the rods or nuts.
- The channels should be put in position and snugged tight. (Enough tension to hold them in position.)
Positioning notes:
 - +The front and back clamp should be level with each other. **See Fig.1**
 - +The mounting faces should be parallel with each other. Measure the gap between the front and back channel at each end. The difference between the measurements should be less than 1/8". **See Fig.2**

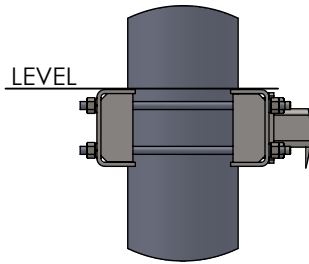


Fig.1

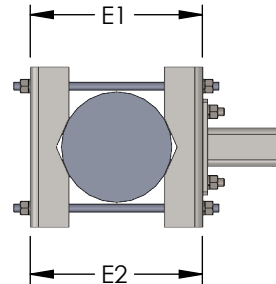


Fig.2

-Once the clamp channels are snugged tight in the proper position as noted above, begin the tightening procedure.

Using a torque wrench tighten the front side nuts in a star-pattern as described below. (**NOTE**, if any deformation is noted in the clamp **STOP. DO NOT** proceed to the next higher torque setting.)

(see Fig.3)

- Sequence#1: tighten A, B, C, D to 60ft.-lbs.
- Sequence#2: tighten A, B, C, D to 70ft.-lbs. (MINIMUM TORQUE)
- Sequence#3: tighten A, B, C, D to 80ft.-lbs.
- Sequence#4: tighten A, B, C, D to 90ft.-lbs. (MAXIMUM TORQUE)

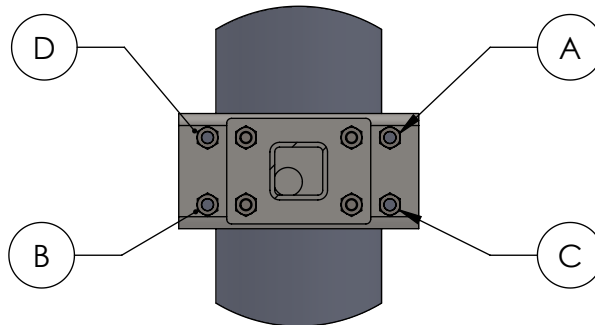


Fig.3

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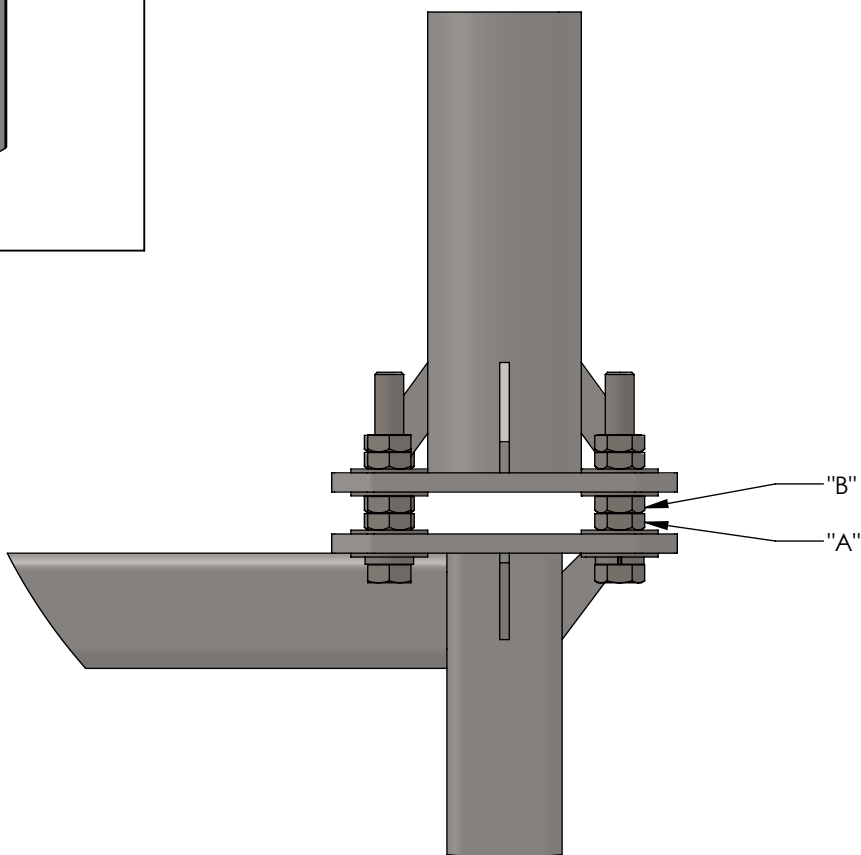
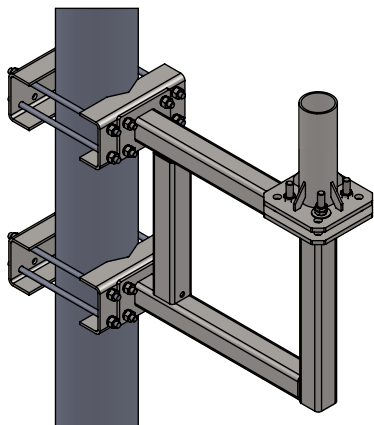
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DWG. PURPOSE INSTRUCTION	SHEET 4
PART. NO. -	SCALE -
DWG. NO. TM18-(000)X1LD-862	



LEVELING DEVICE

THE JAM NUT AT POSITION "A" SECURES THE FULL-THREAD BOLT AND SHOULD NOT NEED TO BE LOOSENED.

THE JAM NUTS AT POSITION "B" ARE USED TO LEVEL THE MAST .

ONCE THE MAST IS LEVELED/PLUMBED WITH THE JAM NUTS AT "B". THE MAST IS SECURED WITH THE DOUBLE-NUTS ON TOP OF THE MAST PLATE.

KEEP THE DISTANCE BETWEEN THE PLATES TO A MINIMUM

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TITLE:
TM18-(000)X1LD-862

DRAWN BY

JK

MATERIAL

-

DWG. PURPOSE

INSTRUCTION

PART. NO.

-

DWG. NO.

TM18-(000)X1LD-862

DATE

11/30/21

FINISH

-

SHEET

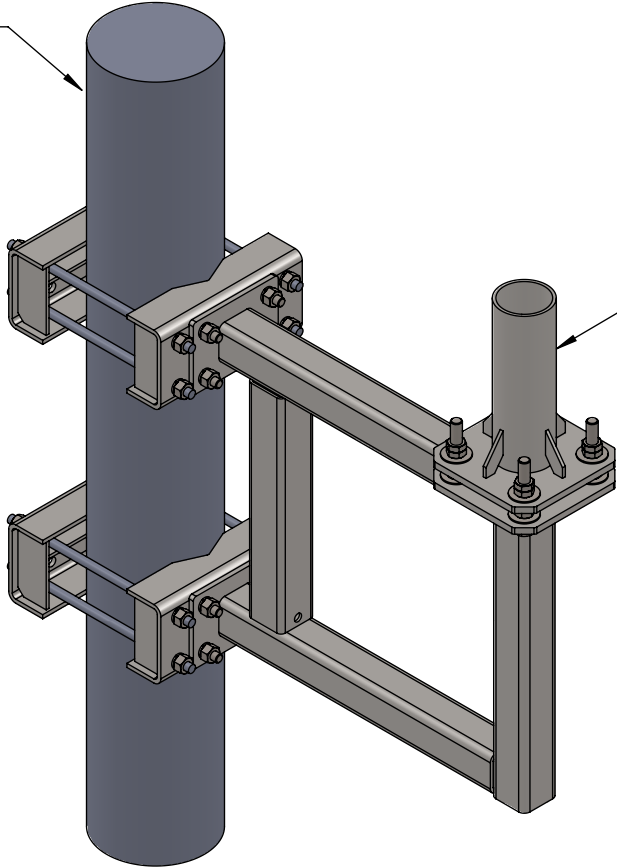
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SCALE

-

PART NO.	MAST DIAMETER	WEIGHT
TM18-288X1LD-862	2.88"OD	181 lbs.
TM18-400X1LD-862	4.00"OD	185 lbs.
TM18-450X1LD-862	4.50"OD	186 lbs.
TM18-556X1LD-862	5.56"OD	190 lbs.
TM18-662X1LD-862	6.62"OD	195 lbs.

TOWER LEG
3.5"OD TO 8.62"OD



MAST DIAMETER DETERMINED
BY PART NUMBER

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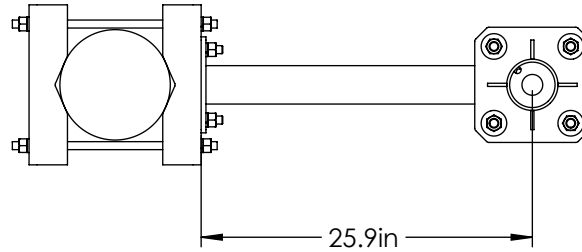
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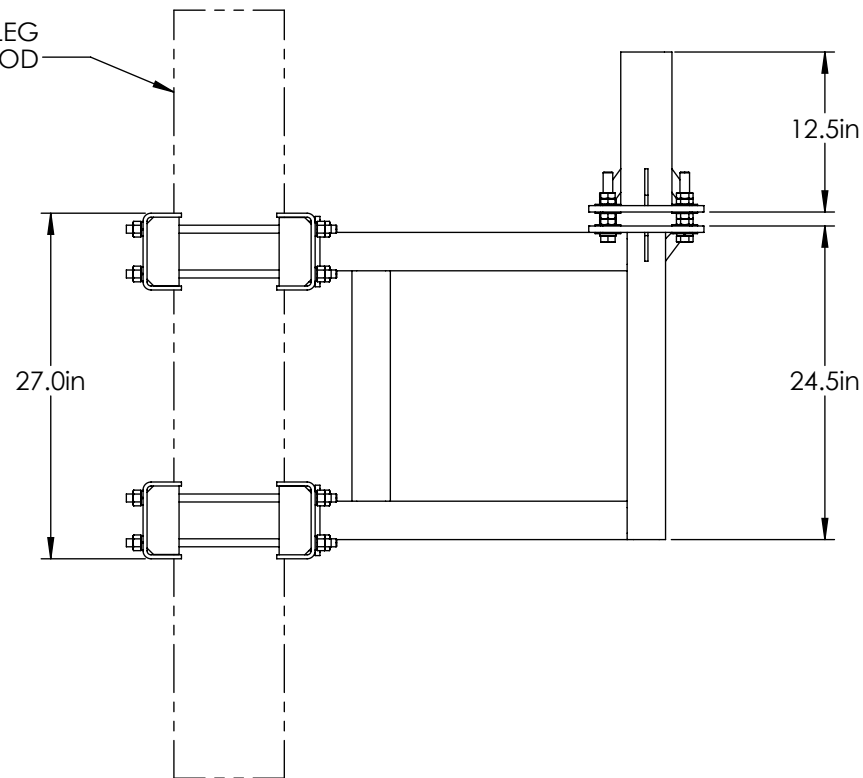
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DESCRIPTION:
TOWER MOUNT-1.8M ANTENNA
TOWER LEG 3.5"OD TO 8.62"OD

DRAWN BY JK	DATE 05/03/15
MATERIAL STEEL	FINISH HDG
DWG. PURPOSE CUSTOMER	SHEET 1 OF 2
SCALE -	
PART. NO. SEE TABLE	
DWG. NO. TM18-(000)X1LD-862	



EXISTING TOWER LEG
3.5"OD TO 8.62"OD



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MATERIAL STEEL	FINISH HDG	
DWG. PURPOSE CUSTOMER	SHEET 2OF2	SCALE -
PART. NO. SEE TABLE (sheet 1)		
DWG. NO. TM18-(000)X1LD-862		