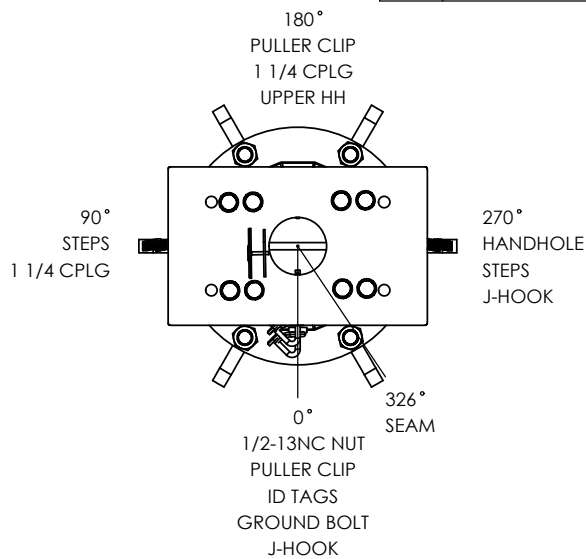
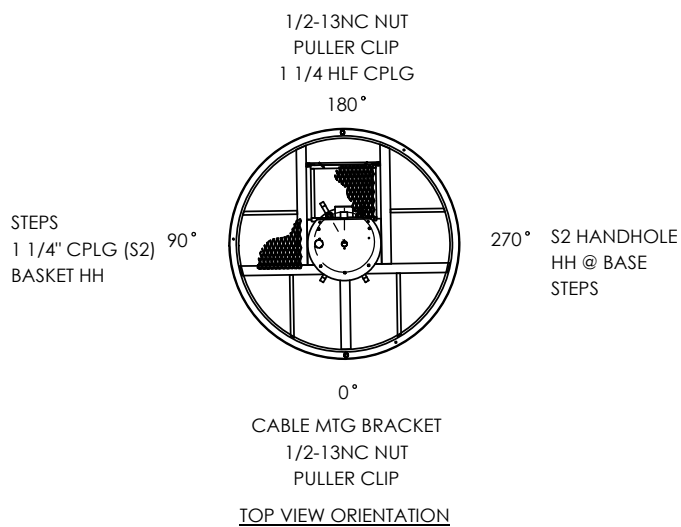
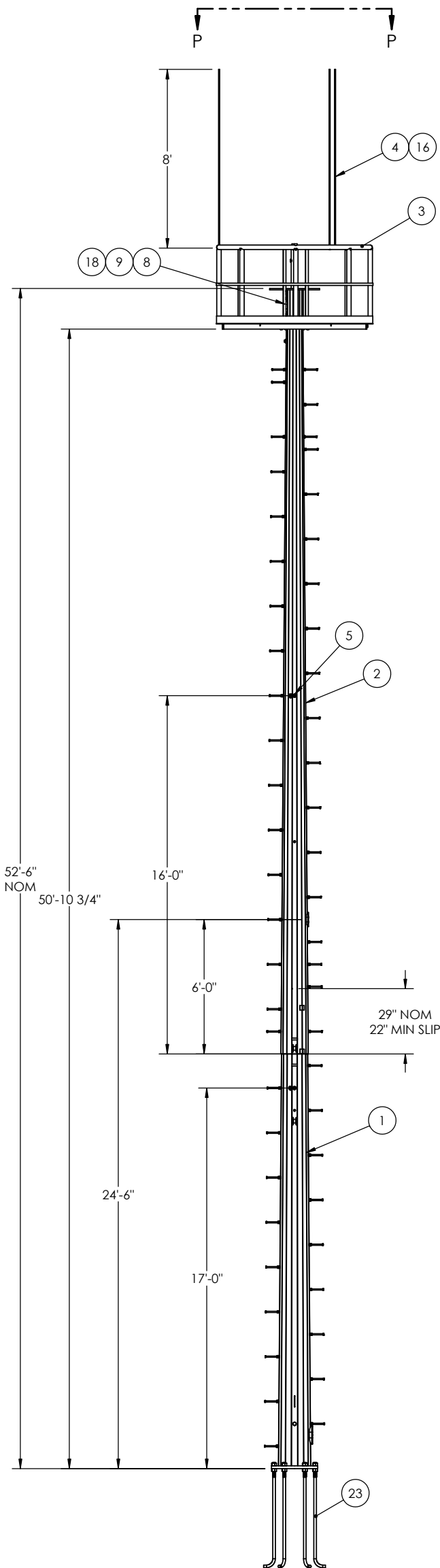




SECTION P-P
SCALE 1 : 20
TOP VIEW ORIENTATION
(LESS BASKET - FOR CLARITY)

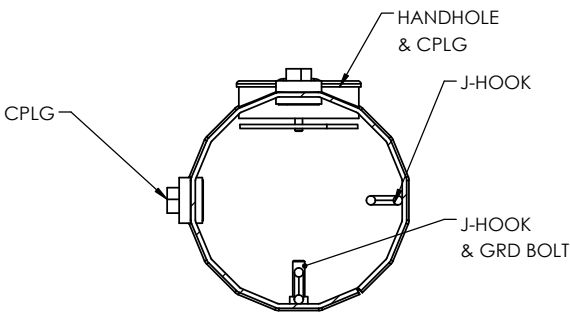


FINISH		
PAINT PART #	DESCRIPTION	QTY
		REF
		REF

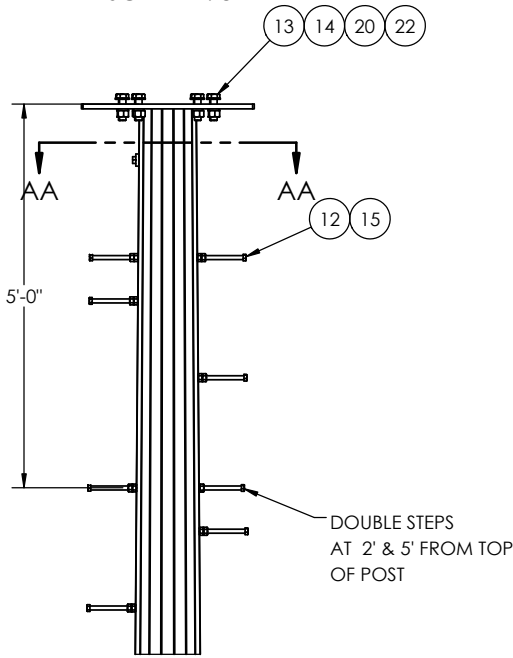
ITEM NO.	PART NUMBER	DESCRIPTION	QTY PER	ASSY	FINISH
1	1077051	WLDMT POLE BEACON 16S S1 1/4X20"11 (1/4X17.64X13.88X20"11)	1		X
2	1077052	WLDMT POLE BEACON 16S S2 3/16X32"6 (3/16X14.93X9.09X32"6)	1		X
3	440C551	ROUND BEACON BASKET	1		X
4	500A322-3	COPPER CLAD LIGHTNING ROD	3		
5	500B68	INTERMEDIATE CABLE LATCH	2		
6	8800211	COVER HH M34 5X8	1		X
7	8800697	M34 (5 X 8) HH LATCH	1		
8	9900029-GV	COVER HH M16 4X6	3		X
9	9900030	LATCH HH M16 4X6	3		
10	ALLEN WRENCH	ALLEN WRENCH 3/16" TAMPERPROOF (1/JOB)	1 PER JOB (NOT SHOWN)		
11	BOLTA1/2-13X1"A	BOLT HX HD 1-2-13NC X 1" F593C SS 304 SS	1	X	
12	BOLTA5/8-11X6-1/2L	BOLT HX HD 5-8-11NC X 6-1-2 A307 GV	53		
13	BOLTB1"-8X3-1/2B	BOLT HVYHXHD 1-8 X 3-1-2 A325GV	8		
14	NUTHVYHX1"-8A563GV	NUT HVY HX 1"-8 A563 GV (DH)-RCP	8		
15	NUTHVYHX5/8-11A563GV	NUT HVY HX 5-8-11NC ASTM A563 GV(DH)	53		
16	NUTHXJM1/2-13SS	NUT HX JM 1-2-13NC SS	3		
17	PLUG-THD-PL-1-1/4	PLUG-THD-PL-1-1-4 PVC	2	X	
18	SCRWA5/16-18X2"SS	SCRWA HX SK FL HD 5-16-18NC X 2 SS	3		
19	SCRWB5/16-18X2"SS	SCRW TTPHXSKBTHD 5-16-18NC X 2" 304 SS ASTM 593 CW1	1		
20	WASHFLAT1"GV	WASHFLAT1"GV ASTM F436	8		
21	WASHFLAT1/2BRASS-001	WASH F.56 IDX1.375ODX.091 THK BRASS COMM. BRASS	2	X	
22	WASHLOCK1"GV	WASHER LOCK 1"GV	8		
23	460A12-6DN	AB 1-1/2"X55 3/4"-F1554-SET/4	6		REF

MATERIAL SPECIFICATIONS	
POST: ASTM A572 GR 60 BASE PLATE: ASTM A572 GR 36 MAST ARM: MOUNTING PLATE: HARDWARE FINISH: ASTM A153 ANCHOR BOLTS: ASTM F1554 GR 55 SIZE-1 1/2"	
DESIGN CRITERIA	
2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS ON HIGHWAY SIGNS, LUMINAIRES & TRAFFIC SIGNALS.	
WINDS: 110 MPH 1.3 FATIGUE CAT: N/A NATURAL WIND GUST: N/A	VORTEX SHED: N/A GALLOPING: N/A TRUCK GUST: N/A
WELD SPECIFICATION	
THE POST AND MAST ARM TO BE A TAPERED TUBE FABRICATION WITH ONE SUBMERGED ARC LONGITUDINAL SEAM WELD WITH 100% PENETRATION 6" FROM BASE PLATE AND 60% FOR REMAINDER. GAS METAL ARC WELDING PROCESS WITH 60% PENETRATION MAY BE USED FOR REMAINDER OF WELDED FABRICATION.	
WELD TESTING: 100% OF ALL WELDS VISUAL TESTED (VT), 100% OF ALL COMPLETE JOINT PENETRATION (CJP) WELDS ULTRASONIC TESTED (UT) BASED ON THE THINNEST MATING MATERIAL: (PER AASHTO 2013 5.15.5-WELD INSP) THICKNESS. < 6MM (0.25 IN) MT ≥ 6MM (0.25 IN) UT A RANDOM 30% OF ALL FILLET WELDS AND PARTIAL JOINT PENETRATION (PJP) LONGITUDINAL SEAM WELDS MAGNETIC PARTICLE TESTED (MT).	
FINISH SPECIFICATION	
GALV. OR PRIME COAT: HOT DIP GALV PER ASTM A123 FINISH COAT: COLOR: FEDERAL OR RAL SPEC.: WEIGHT W/GALV.: 2910.34 WEIGHT W/GALV.&PAINT: 2934.32 WEIGHT W/PAINT: 2849.67 SURFACE AREA: 85699.66 GAL. OF PAINT: 3.29614	

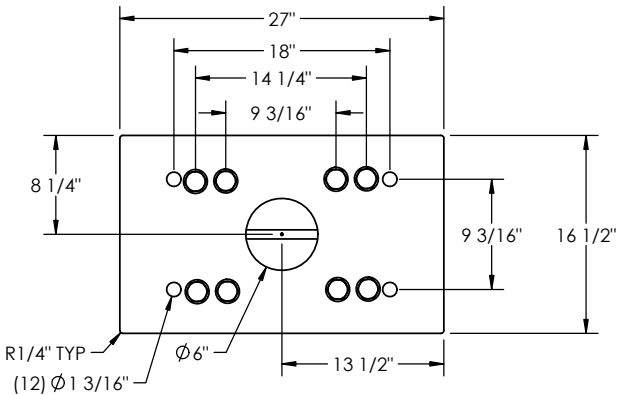
 MILLERBERND		622 6TH ST. SO. WINSTED, MN 55395	
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS THE PROPERTY OF MILLERBERND MFG AND MAY NOT BE COPIED, REPRODUCED OR DISCLOSED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT FROM MILLERBERND MFG			
SALES ORDER NO.:	QTY:	STATE:	SHEET 1 OF 2
DESCRIPTION: SHIP POLE BEACON 16S 1/4X3/16X52'6			
EST. WEIGHT: 2821.46		DRAWING NO: BCN-01-110-526	
PROJECT NAME:			
PROJECT LOCATION:			
DWN BY: REBEKAH		DATE: 12-17-2024	
CHK BY:		DATE:	



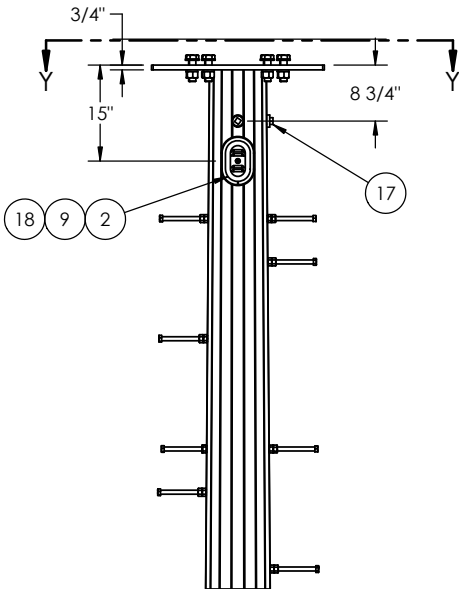
SECTION AA-AA
SCALE 1 : 8



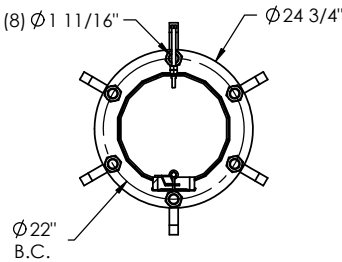
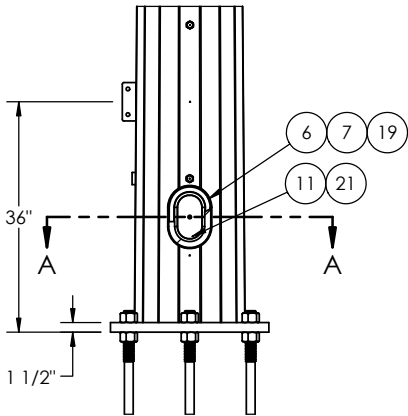
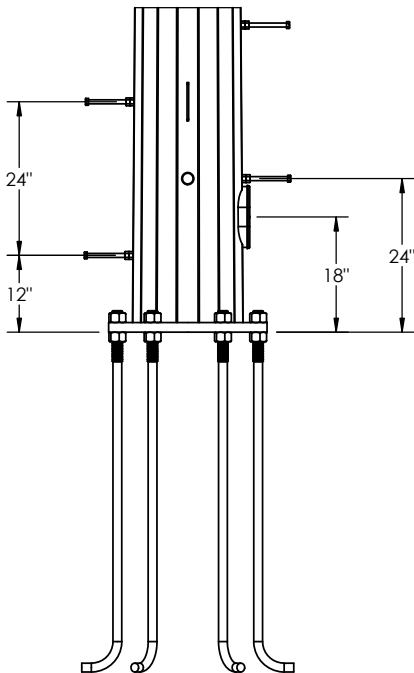
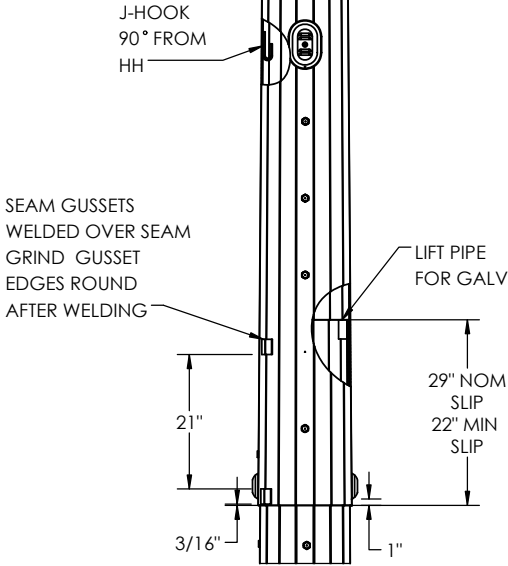
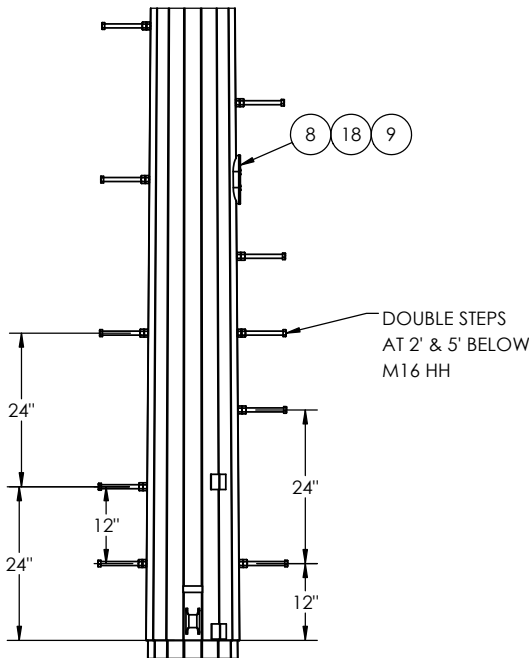
0° VIEW



SECTION Y-Y
SCALE 1 : 16



180° VIEW



SECTION A-A
SCALE 1 : 30

 MILLERBERND 622 6TH ST. SO. WINSTED, MN 55395			
THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS THE PROPERTY OF MILLERBERND MFG AND MAY NOT BE COPIED, REPRODUCED OR DISCLOSED IN ANY MATTER WITHOUT THE EXPRESS WRITTEN CONSENT FROM MILLERBERND MFG			
SALES ORDER NO.:	QTY:	STATE:	SHEET 2 OF 2
DESCRIPTION: SHIP POLE BEACON 16S 1/4X3/16X52'6			
EST. WEIGHT: 2821.46		DRAWING NO: BCN-01-110-526	
PROJECT NAME:			
PROJECT LOCATION:			
DWN BY: REBEKAH		DATE: 12-17-2024	
CHK BY:		DATE:	