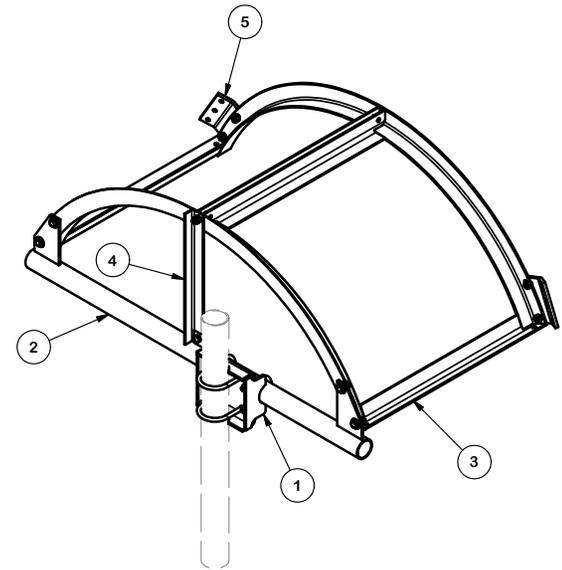
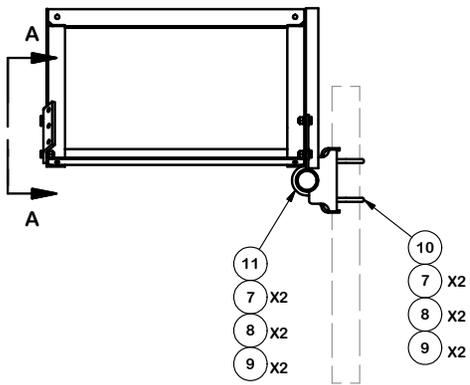
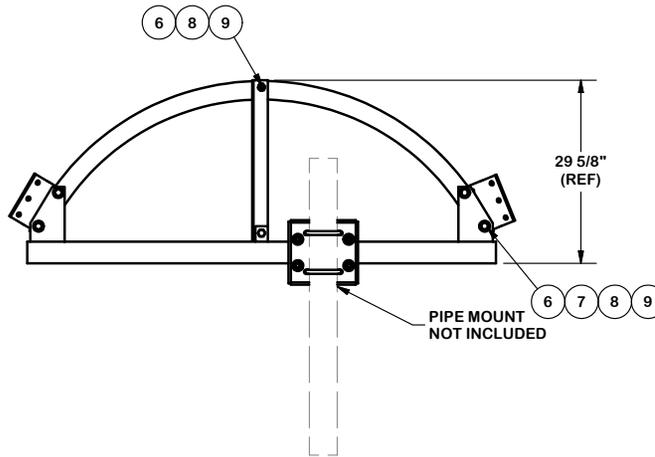


LOCATE ON PIPE AS NEEDED TO POSITION ICE SHIELD ABOVE ANT



PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-58983	FORMED PLATE WELDMENT		23.46	23.46
2	1	X-110380	4FT CURVED ICE SHIELD HORIZ WELDMENT		59.76	59.76
3	1	X-118199	4 FT ICE SHIELD WELDMENT		244.64	244.64
4	1	X-110381	CURVED ICE SHIELD VERTICAL ANGLE BRACKET	25 7/8 in	6.33	6.33
5	2	X-50170	BENT PLATE BRACKET	8 in	7.20	14.40
6	10	G58134	5/8" x 1-3/4" HDG BOLT	1 3/4 in	0.27	2.69
7	12	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	0.85
8	18	G58LW	5/8" HDG LOCKWASHER		0.03	0.47
9	18	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.34
10	2	X-UB5458	5/8" X 4-5/8" X 7" X 3" U-BOLT (HDG.)		0.26	0.51
11	2	X-UB5358	5/8" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		1.31	2.62
TOTAL WT. #						360.00

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
 DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
 BENDS ARE $\pm 1/2$ DEGREE
 ALL OTHER MACHINING ($\pm 0.030"$)
 ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE:
 THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION
 4 FT ICE SHIELD
 INSTALLATION DETAIL

SITE PRO 1
 A valmont COMPANY

Locations:
 New York, NY
 Atlanta, GA
 Los Angeles, CA
 Plymouth, IN
 Salem, OR
 Dallas, TX

Engineering Support Team:
 1-888-753-7446

CPD NO.	DRAWN BY	ENG. APPROVAL
CLASS	SUB	CHECKED BY
81	02	CEK
	DRAWING USAGE	
	CUSTOMER	
	DATE	
	1/15/2013	2/18/2013

PART NO.	CIS04
DWG. NO.	CIS04