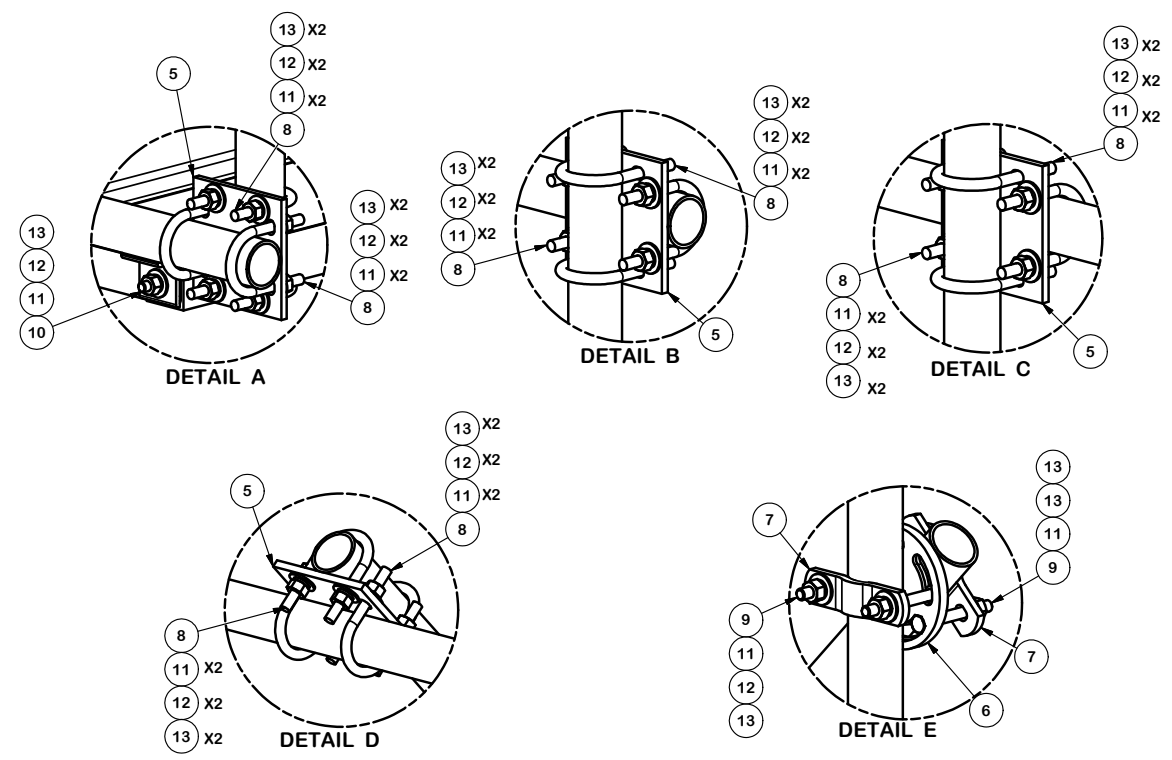


- NOTES:**
1. SEE SHEET 2 FOR BALLAST LOADING FORMULA.
 2. THE MOUNTING FRAME IS DESIGNED TO ACCEPT A MAXIMUM OF FOUR ANTENNA MOUNTS.
 3. CONCRETE BLOCKS (CMU), 4x8x16 OR 8x8x16, ARE TYPICALLY USED FOR BALLAST.
 4. AN OPTIONAL TIE-DOWN ASSEMBLY, PART# BHD-K, IS AVAILABLE, ORDER SEPERATELY.
 5. AN OPTIONAL ROOF PROTECTION MAT, PART# MAT18 IS RECOMMENDED, MATS ARE 1/2"x18"x48" AND 6 REQUIRED PER FRAME. ORDER SEPERATELY.

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-232696	BALLAST TRAY WELDMENT - SITE PRO 1		66.53	199.60
2	2	X-RTP10	FRONT AND BACK HORIZONTAL TRAY SUPPORT WELDMENT		44.81	89.61
3	2	P263	2-3/8" X 63" SCH 40 GALVANIZED PIPE	63	20.18	40.37
4	3	P2126	2-3/8" OD X 126" SCH 40 GALVANIZED PIPE	126"	40.75	122.26
5	12	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"		3.71	44.50
6	4	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALVANIZED)		2.48	9.93
7	8	X-100064	CLAMP (S) (4" V-CLAMP) GALVANIZED		0.91	7.30
8	48	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.73	35.12
9	16	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4	0.27	4.32
10	12	G1202	1/2" x 2" HDG HEX BOLT GR5	2	0.18	2.11
11	124	G12FW	1/2" HDG USS FLATWASHER		0.03	4.23
12	124	G12LW	1/2" HDG LOCKWASHER		0.01	1.72
13	124	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.88
14	4	A	2-3/8" O.D. SCH 40 PIPE	B	C	D

2-3/8" O.D. VERTICAL MOUNTING PIPES					
ASSEMBLY NO.	PART "A"	LENGTH "B"	UNIT WT. "C"	NET WT. "D"	TOTAL WEIGHT
RTP10	PIPE NOT INCLUDED, ONLY CONNECTION HARDWARE				570.56
RTP10-496	P296	96"	30.76	123.04	693.60
RTP10-4126	P2126	126"	40.75	163.00	733.56



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.

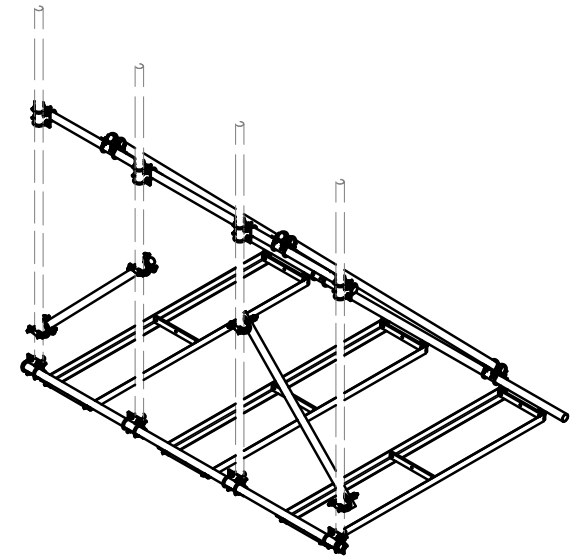
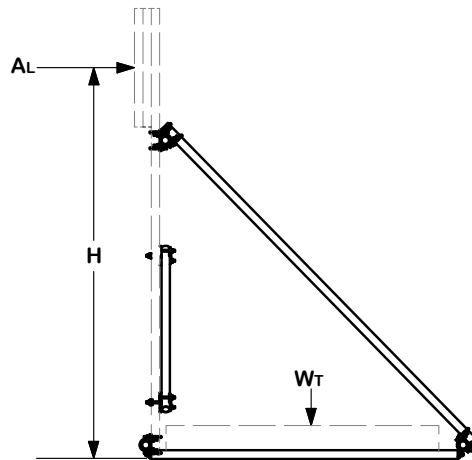
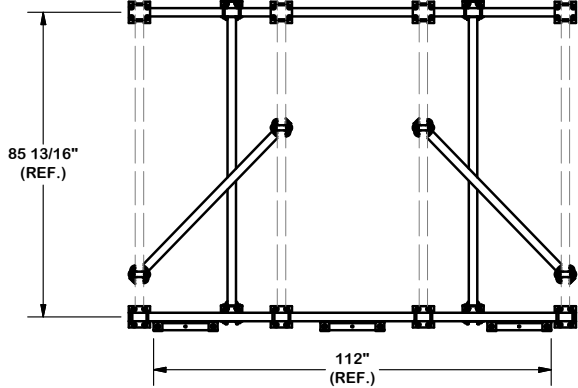
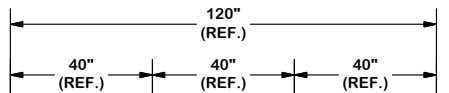
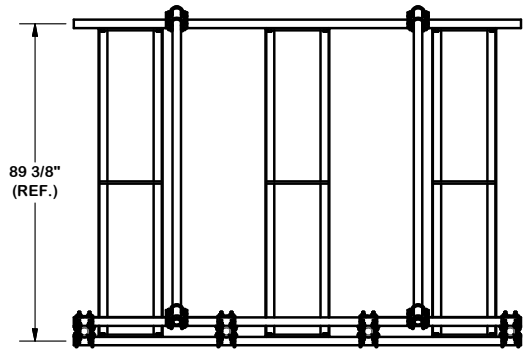
DESCRIPTION	
10' ROOFTOP PIPE FRAME	
CPD NO.	DRAWN BY
81	CEK
SUB	1/3/2015
02	
DRAWING USAGE	ENG. APPROVAL
CUSTOMER	BMC
	3/11/2015

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

PART NO.	SEE ASSEMBLY NO.	PAGE
DWG. NO.	RTP10	1 OF 2



BALLAST EQUATION WITH 1.5 SAFETY FACTOR:

$$W_T = \frac{AL \cdot H \cdot N \cdot (1.5)}{3.625}$$

$$W = W_T / 3$$

BALLAST EQUATION WITH REV. G LOADING:

$$W_T = \frac{AL \cdot H \cdot N \cdot (1.6)}{3.625 (0.9)}$$

$$W = W_T / 3$$

- AL = ANTENNA LOAD (NON-FACTORED) lbs
- H = HEIGHT FROM ROOFTOP ft
- N = NUMBER OF ANTENNAS
- WT = TOTAL BALLAST WEIGHT lbs
- W = BALLAST WEIGHT PER TRAY lbs

TOLERANCE NOTES

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 DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
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DESCRIPTION
**10' ROOFTOP
 PIPE FRAME**

CPD NO.	DRAWN BY CEK	ENG. APPROVAL
CLASS 81	SUB 02	DRAWING USAGE CUSTOMER
DRAWN BY 1/3/2015		CHECKED BY BMC 3/11/2015

SITE PRO 1
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PART NO.	SEE ASSEMBLY NO.	PAGE 2 OF 2
DWG. NO.	RTP10	