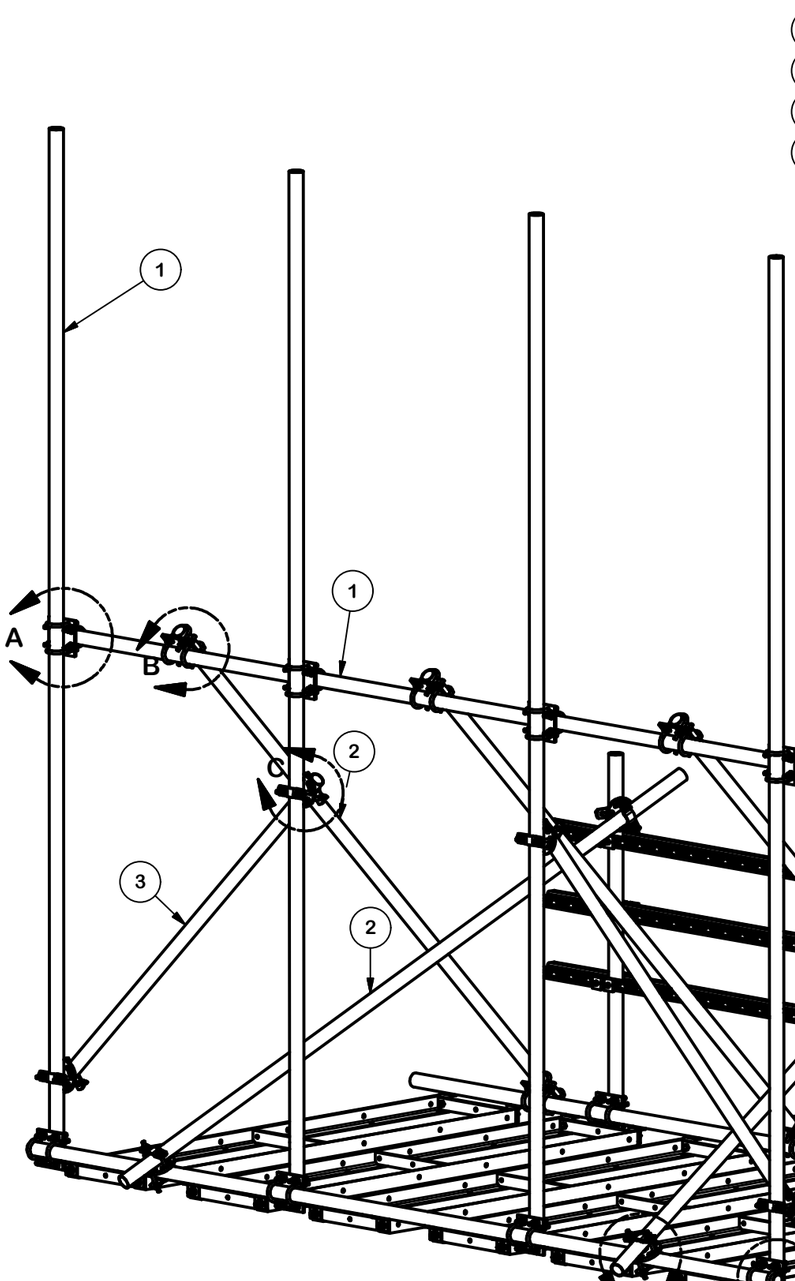
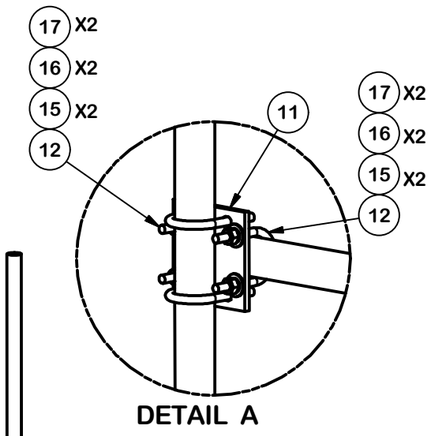
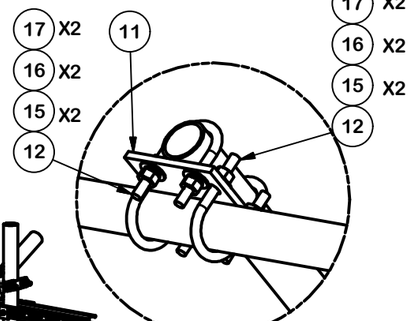
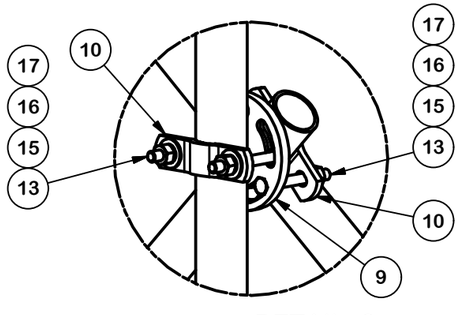
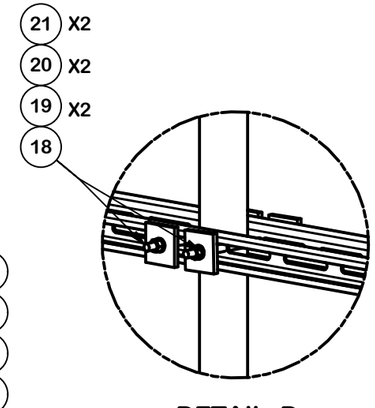
PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	5	P2174	2-3/8" OD X 174" SCH 40 GALVANIZED PIPE	174 in	55.75	278.73
2	5	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	203.76
3	2	P284	2-3/8" X 84" SCH 40 GALVANIZED PIPE	84 in	26.91	53.82
4	2	P263	2-3/8" X 63"SCH 40 GALVANIZED PIPE	63 in	20.18	40.37
6	6	X-232696	BALLAST TRAY WELDMENT - SITE PRO 1		66.60	399.59
7	2	X-RTP14	FRONT AND BACK HORIZONTAL TRAY SUPPORT WELDMENT		64.38	128.77
8	6	UNT10	UNISTRUT	120 in	20.38	122.27
9	8	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALV.)		2.51	20.05
10	16	X-100064	CLAMP (4" V-CLAMP) GALVANIZED		0.92	14.75
11	16	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	59.34
12	64	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	40.01
13	32	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4 in	0.27	8.64
14	24	G1202	1/2" x 2" HDG HEX BOLT GR5	2 in	0.18	4.22
15	184	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	6.27
16	184	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	2.56
17	184	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	13.18
18	12	SS38R-8	3/8" X 8" THREADED ROD (STAINLESS STEEL)		0.25	3.01
19	24	SQW38	3/8" SQUARE WASHER	2 in	0.29	6.94
20	24	SS38LW	3/8" SS LOCKWASHER		0.01	0.16
21	24	SS38NUT	3/8" SS HEX NUT		0.02	0.44
					TOTAL WT. #	1375.07

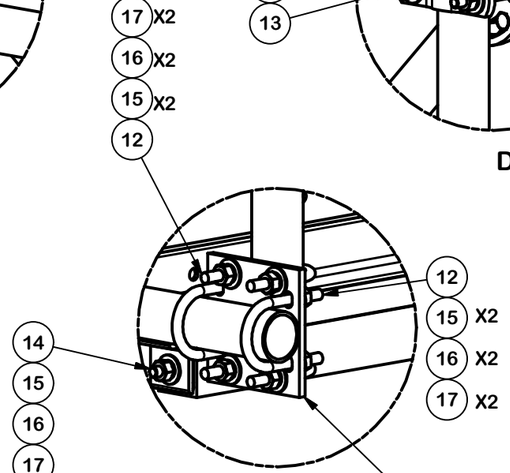


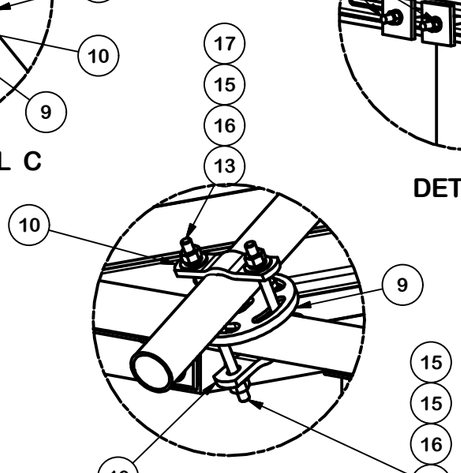












TOLERANCE NOTES

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

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	SWAPPED OUT P1126 WITH P2126		JFS	3/14/2022

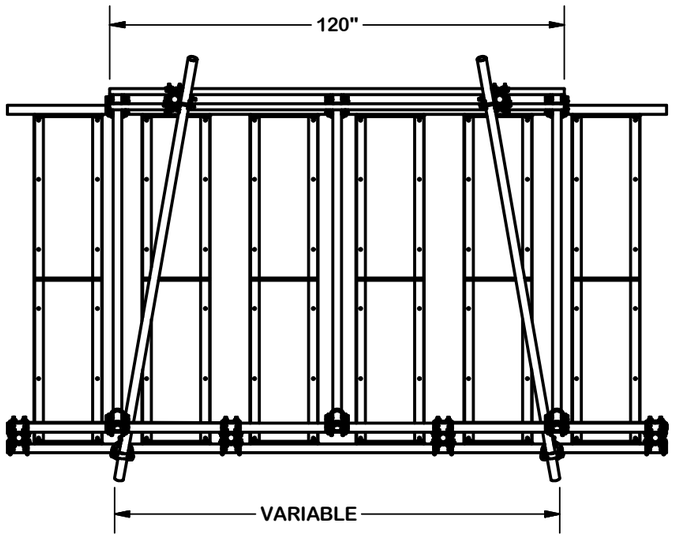
REVISION HISTORY

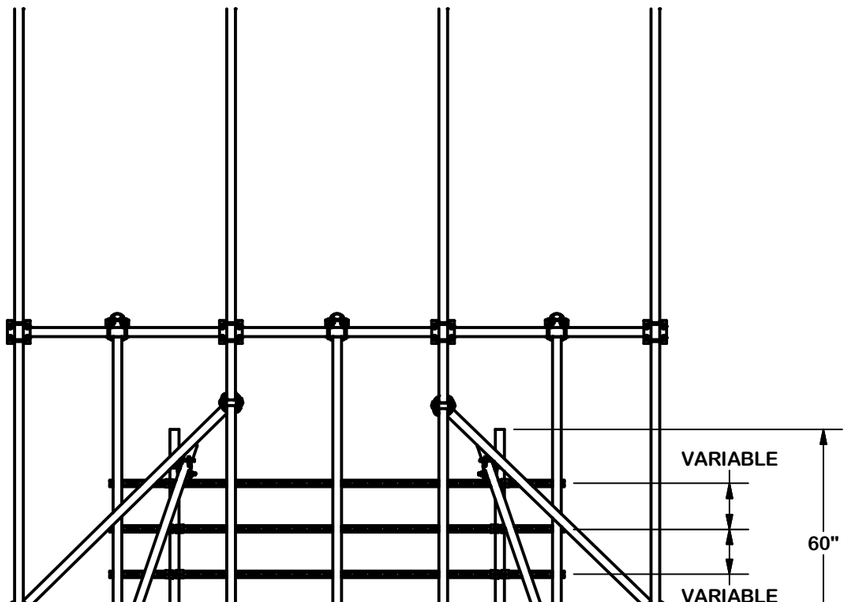
DESCRIPTION
3 LEVEL
RRU / EQUIPMENT RACK
FOR RTP FRAMES

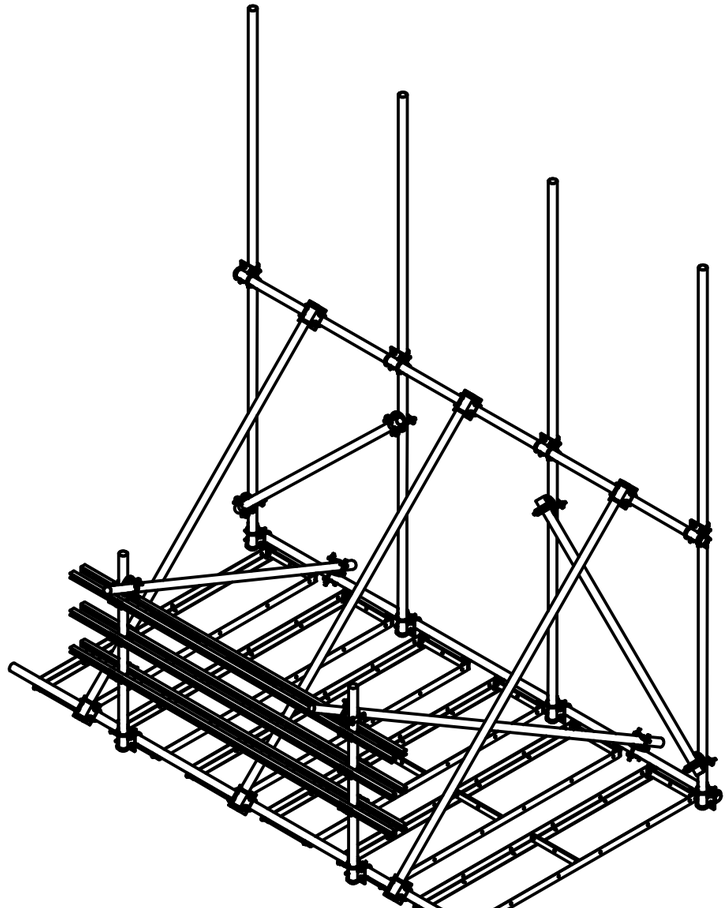
SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

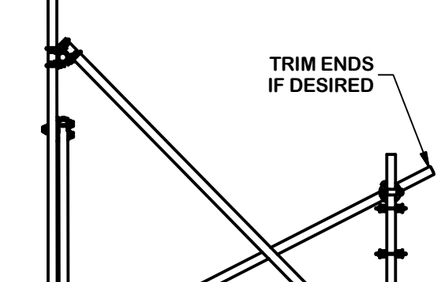
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 4/23/2015		RTP14-3RRU

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	BMC 4/24/2015	RTP14-3RRU









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DESCRIPTION
3 LEVEL
RRU / EQUIPMENT RACK
FOR RTP FRAMES

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Engineering
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	CEK 4/23/2015		RTP14-3RRU

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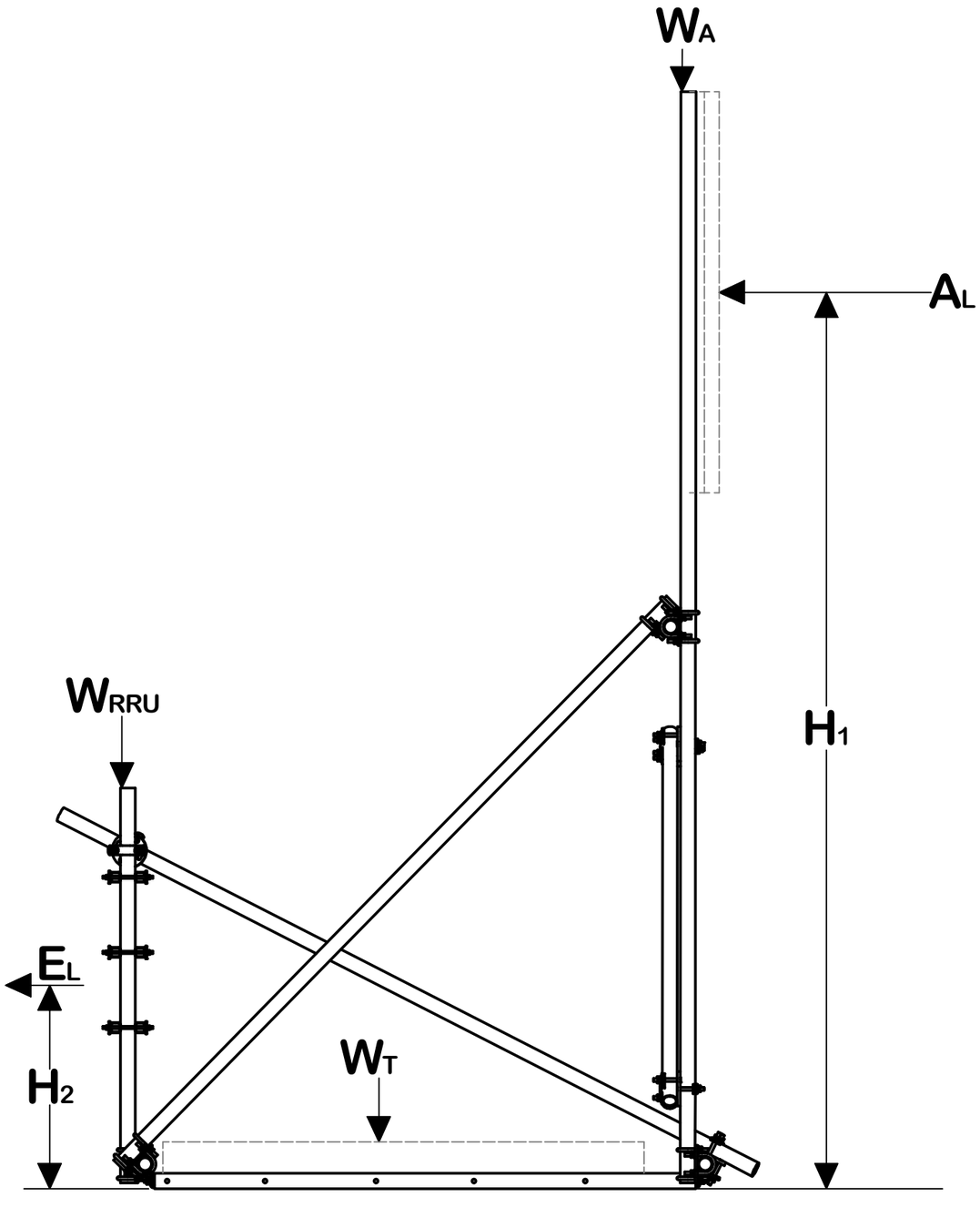
81	01	CUSTOMER	BMC 4/24/2015	RTP14-3RRU



RTP FRAMES & RTP-RRU BALLAST EQUATIONS

BALLAST EQUATION WITH 1.5 SAFETY FACTOR:

$$\text{FRONT WIND} = W_T = \frac{(((A_L*H_1)+(E_L*H_2))1.5) - (W_A*7.25)}{3.625}$$

$$\text{BACK WIND} = W_T = \frac{(((A_L*H_1)+(-E_L*H_2))1.5) - (W_{RRU}*7.25)}{3.625}$$

BALLAST EQUATION WITH REV. G LOADING:

$$\text{FRONT WIND} = W_T = \frac{(((A_L*H_1)+(E_L*H_2))1.6) - (W_A*7.25)}{3.625\ (0.9)}$$

$$\text{BACK WIND} = W_T = \frac{(((A_L*H_1)+(-E_L*H_2))1.6) - (W_{RRU}*7.25)}{3.625\ (0.9)}$$

$$W = W_T / 6$$

E_L	= EQUIPMENT LOAD (NON-FACTORED)	lbs
A_L	= ANTENNA LOAD (NON-FACTORED)	lbs
H_1 & H_2	= HEIGHT FROM ROOFTOP	ft
W_T	= TOTAL BALLAST WEIGHT	lbs
W	= BALLAST WEIGHT PER TRAY	lbs
W_{RRU}	= 200 + EQUIPMENT WEIGHT	lbs
W_A	= 260 + ANTENNA WEIGHT	lbs

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ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION: 3 LEVEL RRU / EQUIPMENT RACK FOR RTP FRAMES

SITE PRO 1 — A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CEK 4/23/2015		RTP14-3RRU

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	BMC 4/24/2015	RTP14-3RRU