

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

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1/8/2025

1/17/2025

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DWG. NO.

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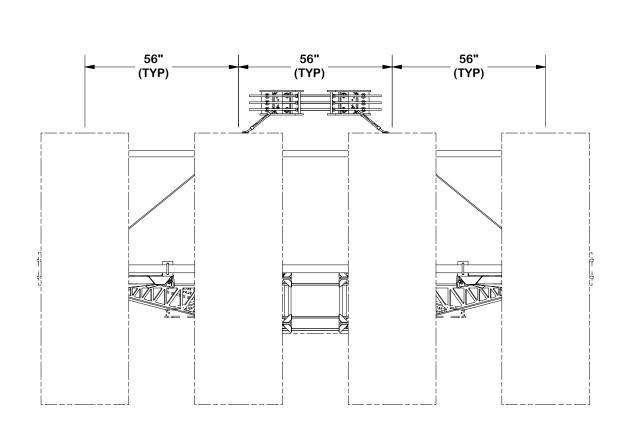
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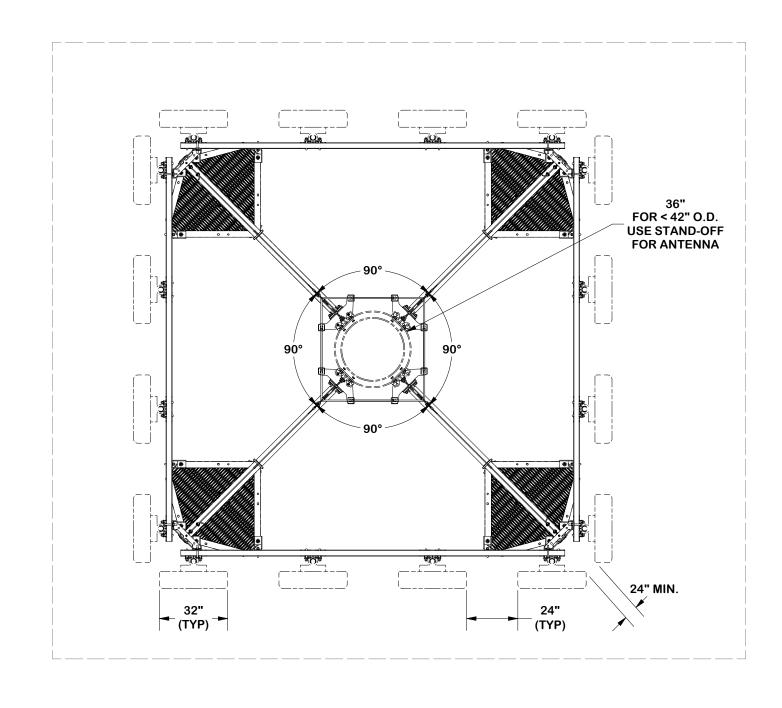
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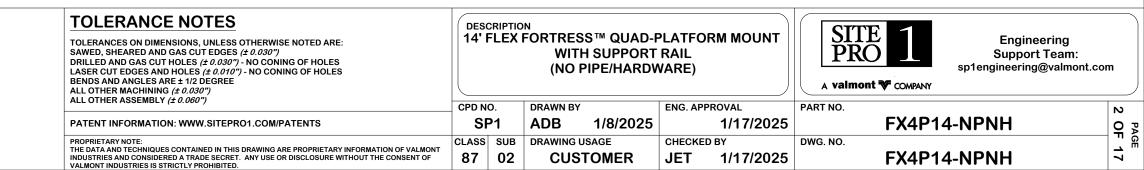
FX4P14-NPNH 9 7 7

4 ANTENNA FORTRESS LAYOUT

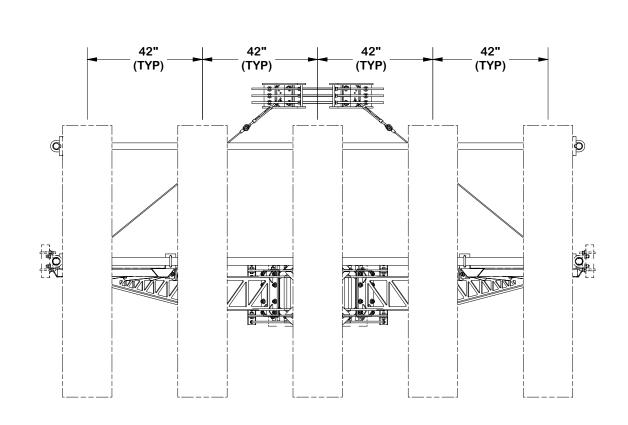


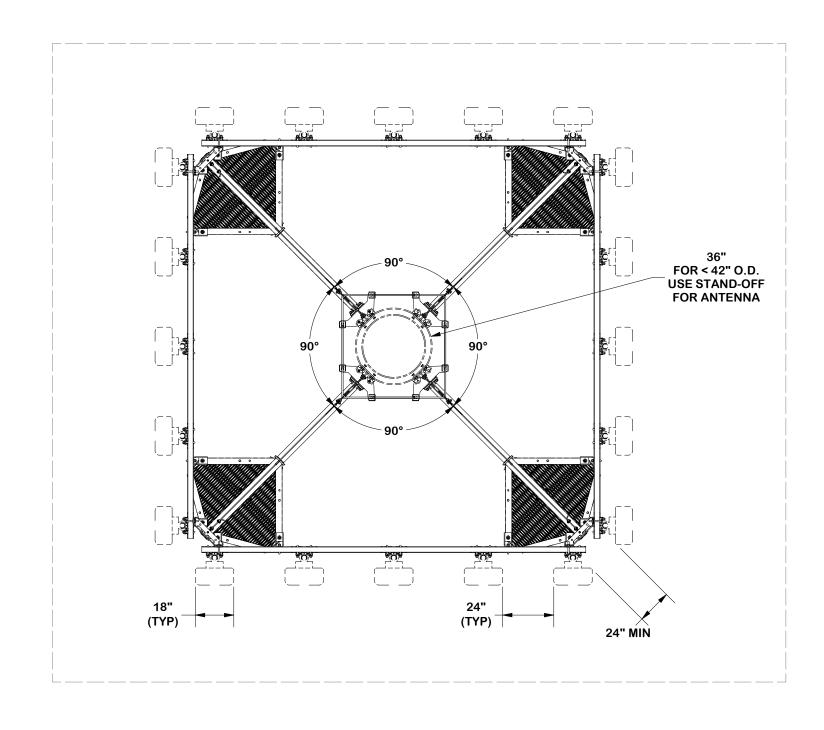


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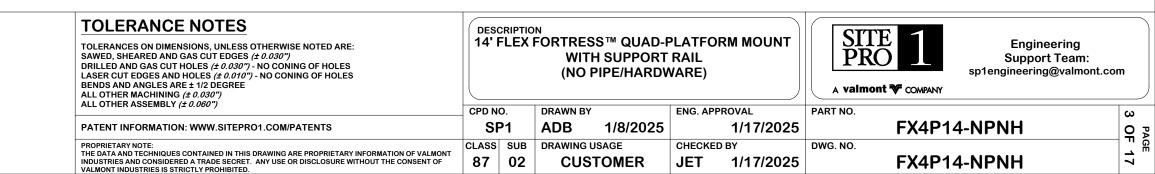


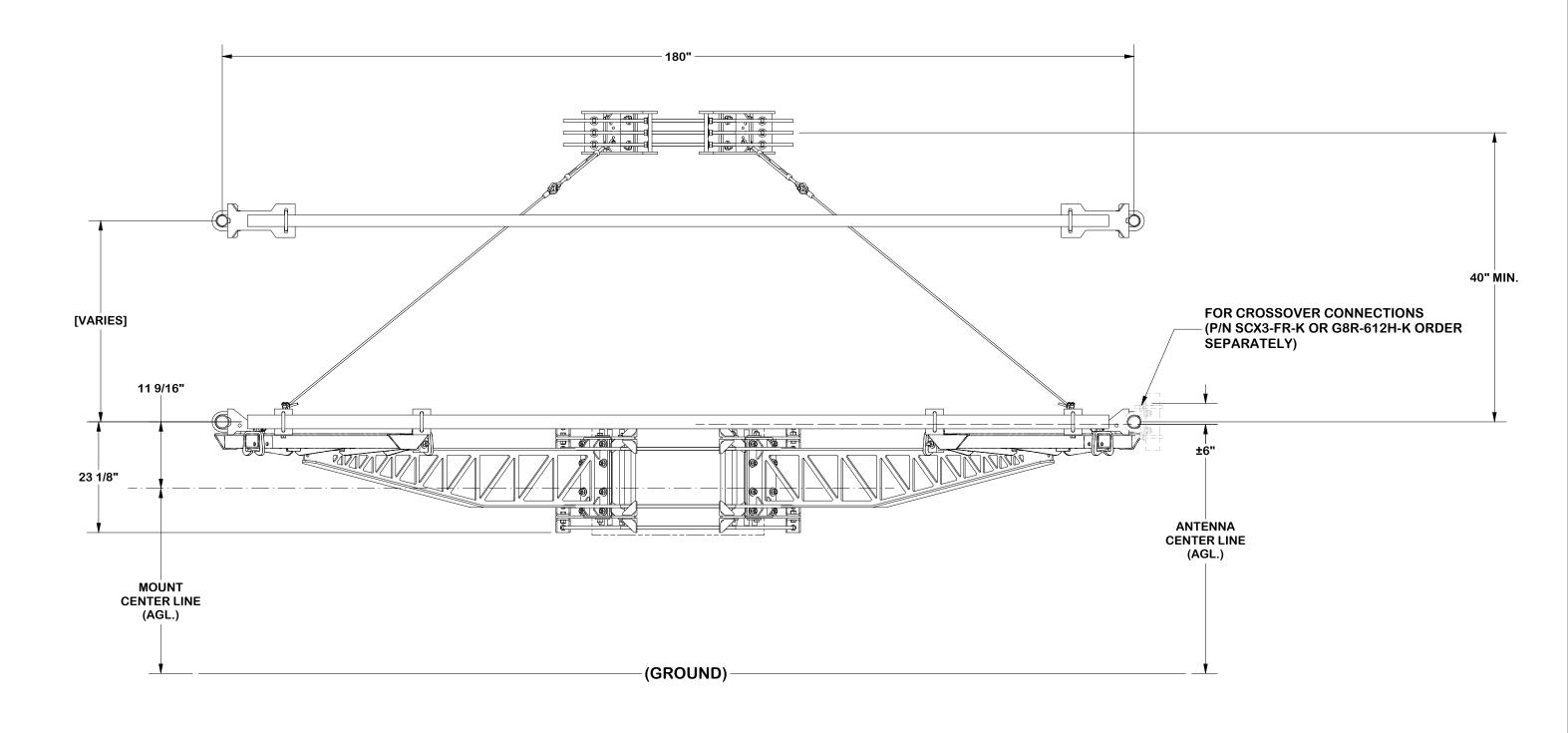
5 ANTENNA FORTRESS LAYOUT



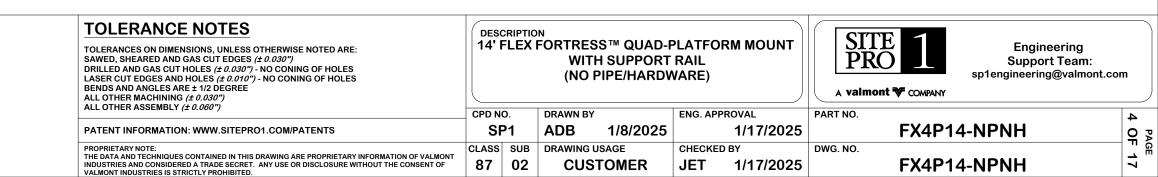


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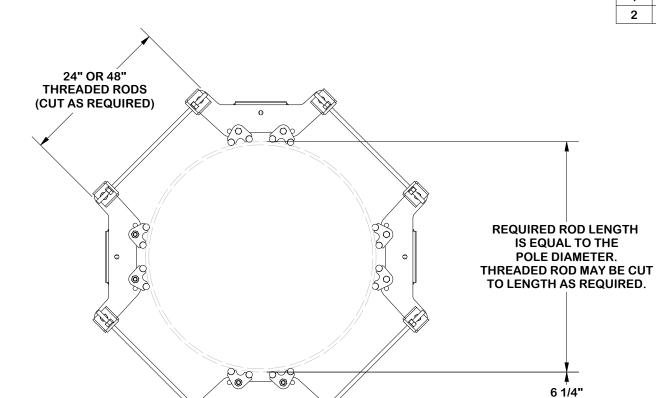




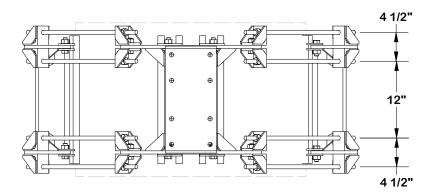
MOUNTING GUIDELINE



HEAVY STAMP PART NUMBER

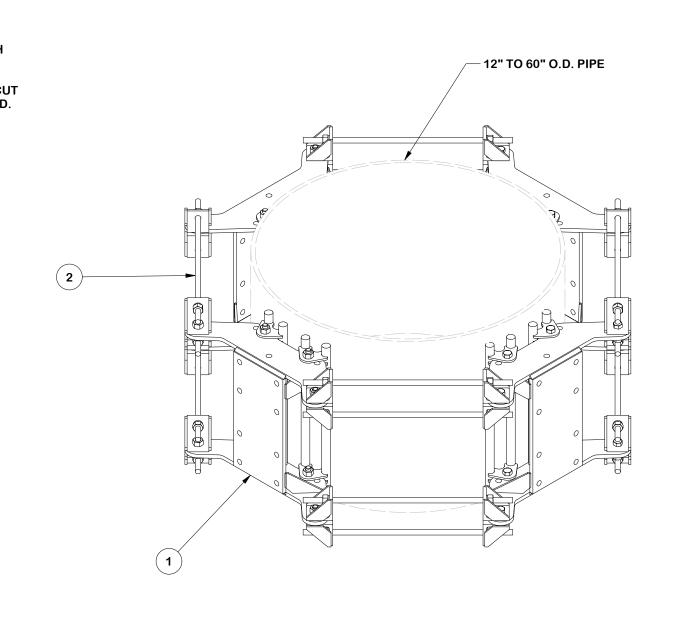


NOTE:
COMPATIBLE WITH 6" X 6" HOLE PATTERN AND
FORTRESS™ STANDOFF ARM



FINISH: HOT DIP GALVANIZED.

PARTS LIST ITEM QTY PART NO. BOX NO. PART DESCRIPTION UNIT WT. NET WT. **FLX-HDSS** FLEXIBLE RING MOUNT HEAVY-DUTY SINGLE SECTOR ASSEMBLY 98.32 393.30 HDRM-HW **FLEXIBLE RING MOUNT HARWARE KIT** 27.68 110.70 TOTAL WT. # 504.00



TOLERANCE NOTE

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 AND ANGLES ARE ± 1/2 DEGREE ALL OTHER MACHINING (± 0.030")

ALL OTHER ASSEMBLY (± 0.060")

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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)



Engineering Support Team: sp1engineering@valmont.com

 CPD NO.
 DRAWN BY
 ENG. APPROVAL
 PAI

 SP1
 ADB
 1/8/2025
 1/17/2025

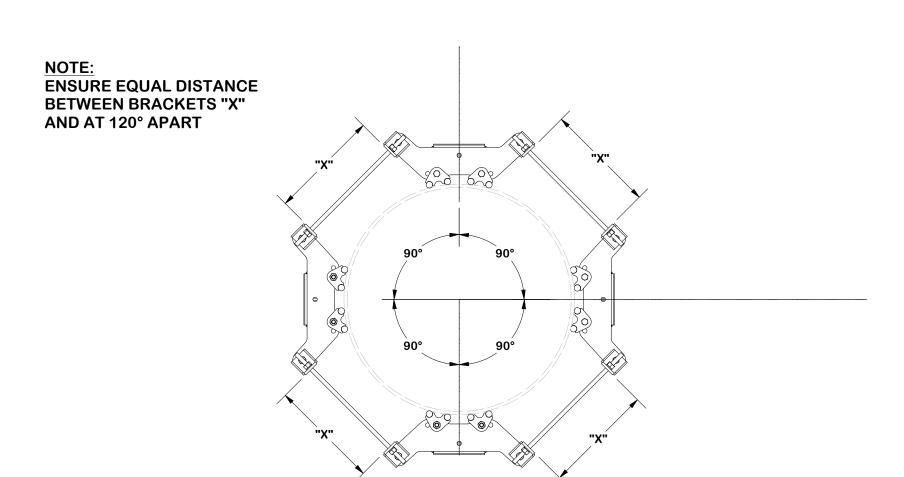
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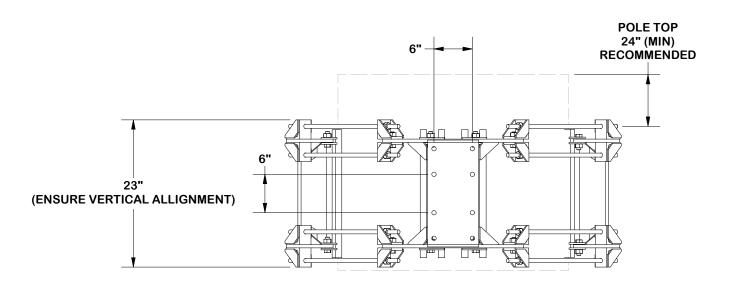
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 02
 CUSTOMER
 JET
 1/17/2025

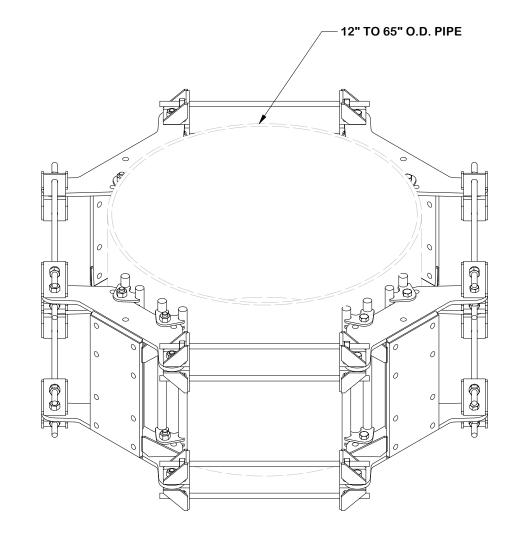
FLX4-HD

DWG. NO.

FX4P14-NPNH







TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (± 0.030")

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ALL OTHER ASSEMBLY (± 0.060")

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DESCRIPTION
14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)



Engineering
Support Team:
sp1engineering@valmont.com

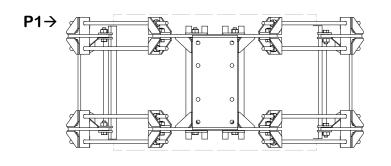
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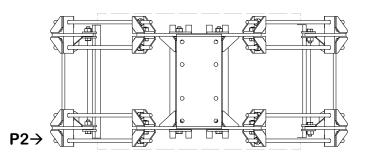
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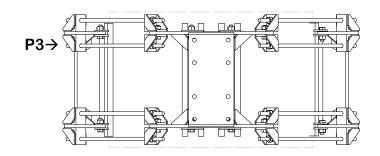
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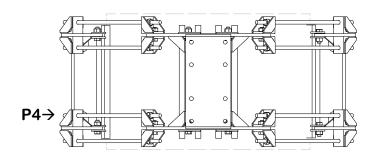
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INSTALL ORDER

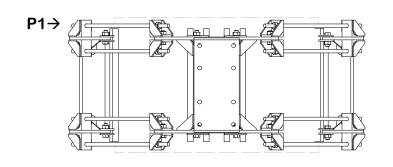


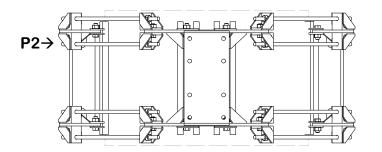


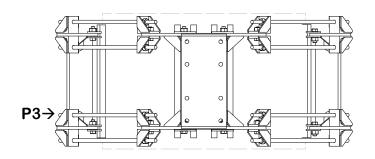


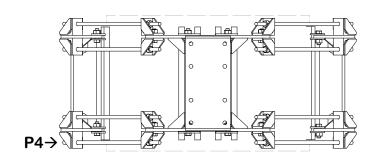


INITIAL TIGHTENING

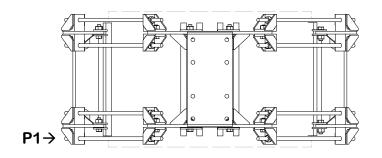


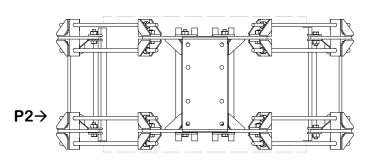


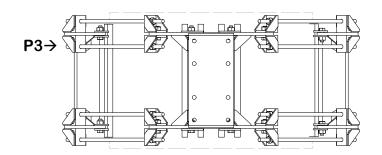


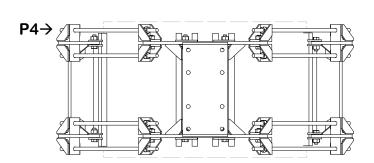


FINAL TIGHTENING









TOLERANCE NOTES

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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL

(NO PIPE/HARDWARE)

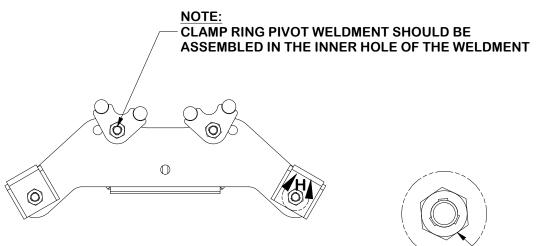


Engineering Support Team: sp1engineering@valmont.com

CPD NO. DRAWN BY ENG. APPROVAL SP1 1/8/2025 **ADB** 1/17/2025 DRAWING USAGE CLASS SUB **CHECKED BY** 02 **CUSTOMER JET** 1/17/2025

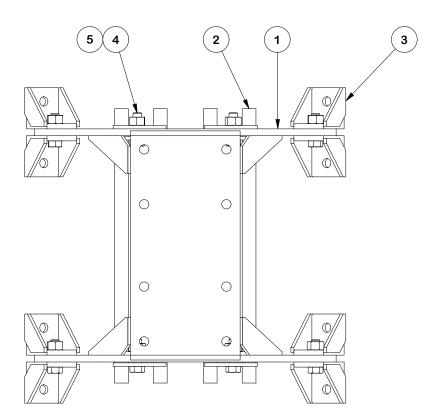
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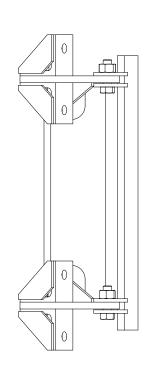
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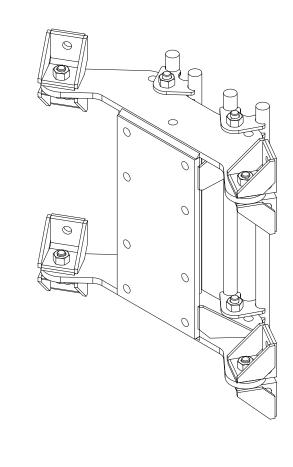












<u>FINISH:</u> HOT DIP GALVANIZED.

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 AND ANGLES ARE $\pm\,1/2$ DEGREE ALL OTHER MACHINING $(\pm\,0.030'')$ ALL OTHER ASSEMBLY $(\pm\,0.060'')$

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DESCRIPTION
14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)

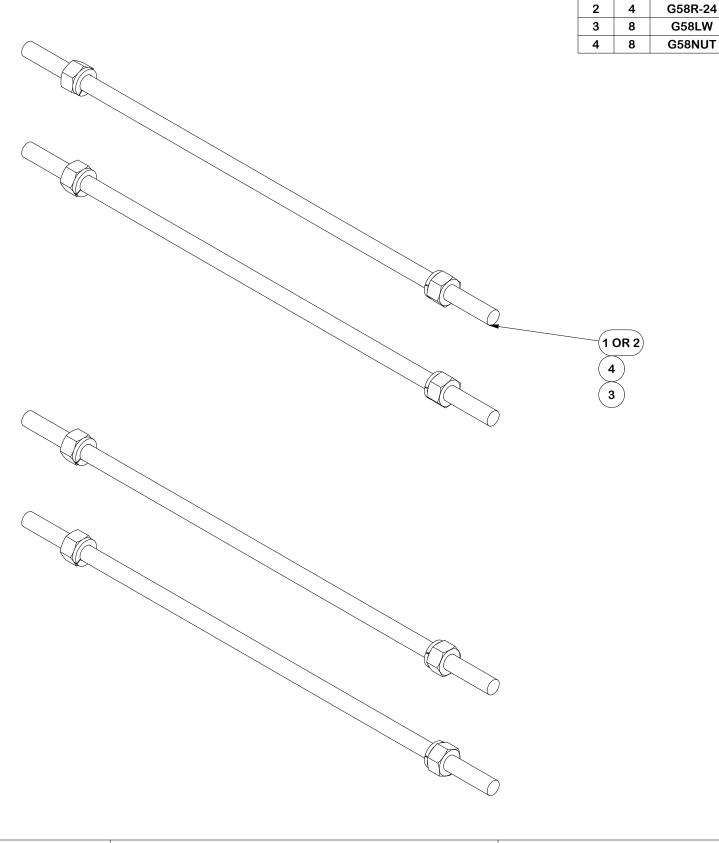


Engineering Support Team: sp1engineering@valmont.com

OF 17

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25	FLX-HDSS
	DWG. NO.
25	FX4P14-NPNH



<u>FINISH:</u> HOT DIP GALVANIZED.

TOLERANCE NOTES

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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)

ITEM QTY

4

PART NO.

G58R-48



PARTS LIST
PART DESCRIPTION

5/8" X 48" GALV THREADED ROD

5/8" X 24" THREADED ROD (HDG.)

5/8" HDG LOCKWASHER

5/8" HDG HEAVY 2H HEX NUT

UNIT WT.

4.39

2.22

0.03

0.13

TOTAL WT. #

NET WT.

17.56

0.21

1.04

28.30

Engineering Support Team: sp1engineering@valmont.com

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CPD NO. DRAWN BY ENG. APPROVAL 1/17/2025

CLASS SUB DRAWING USAGE CHECKED BY ST 1/17/2025

CLASS SUB CUSTOMER JET 1/17/2025

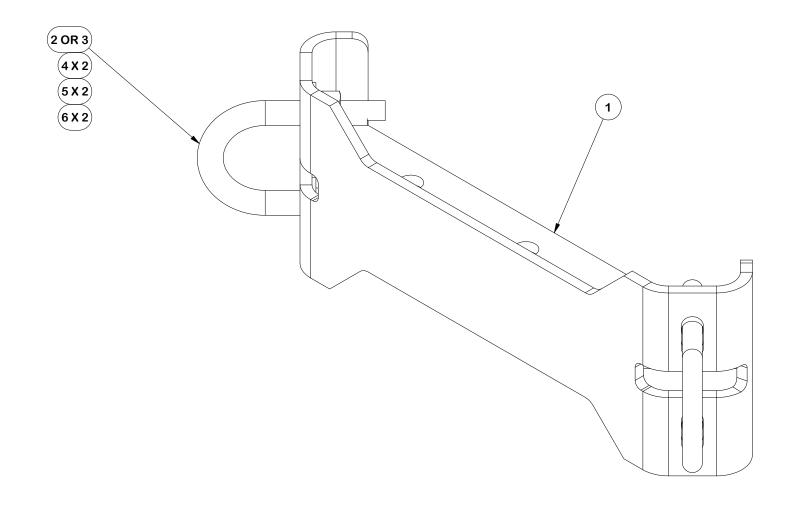
PART NO.

HDRM-HW

DWG. NO.

FX4P14-NPNH

	PARTS LIST								
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.			
1	1	X-F4PHRW	CORNER WELDMENT FOR 4-SIDED FORTRESS PLATFORM HADNRAIL KITS	17 3/8 in	19.32	19.32			
2	2	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT	5 1/4 in	1.22	2.43			
3	2	X-UB5258	5/8 X 2-5/8" X 4-1/2" X 2" U-BOLT	4 1/2 in	1.06	2.12			
4	4	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	0.28			
5	4	G58LW	5/8" HDG LOCKWASHER		0.03	0.10			
6	4	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	0.52			
					TOTAL WT. #	24.78			



FINISH: HOT DIP GALVANIZED.

TOLERANCE NOTES

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ALL OTHER ASSEMBLY (± 0.060")

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

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Engineering Support Team: sp1engineering@valmont.com

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PAGE OF 17

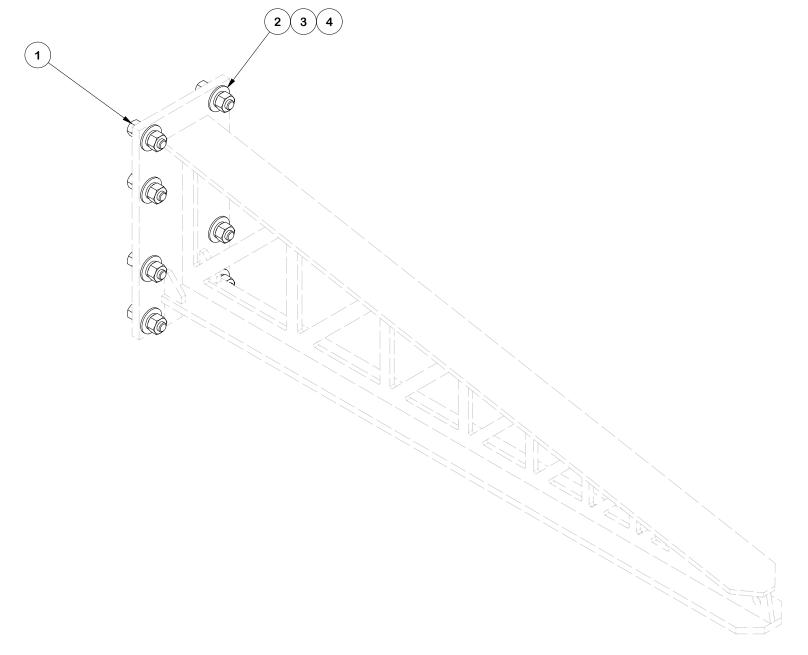
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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

WITH SUPPORT RAIL (NO PIPE/HARDWARE)

F4HR DWG. NO. FX4P14-NPNH

	PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	8	G58214	5/8" x 2-1/4" HDG HEX BOLT GR5		0.29	2.33
2	8	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	0.56
3	8	G58LW	5/8" HDG LOCKWASHER		0.03	0.21
4	8	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	1.04
					TOTAL WT. #	4.14



TOLERANCE NOTES

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DESCRIPTION
14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL (NO PIPE/HARDWARE)



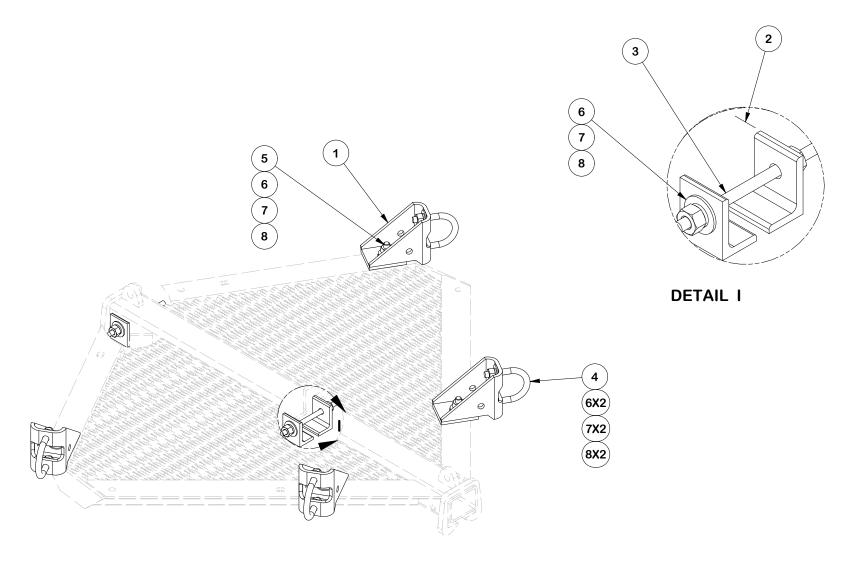
Engineering Support Team: sp1engineering@valmont.com

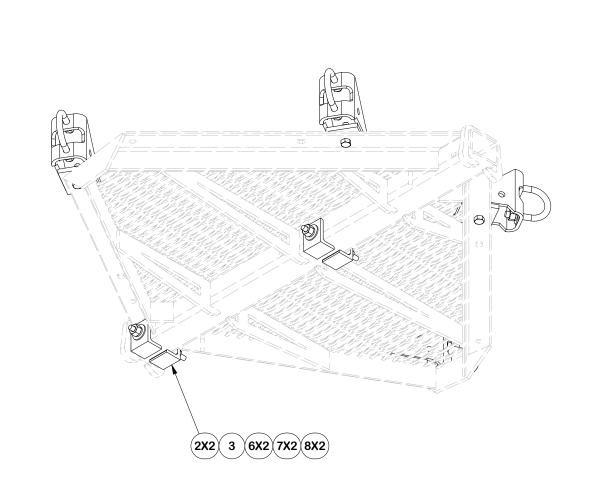
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PART NO. LPPSA-HW WG. NO. FX4P14-NPNH

			PARTS LIST			
ITEN	/ QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	4	X-LPP-PC	FACE PIPE CONNECTION BRACKET FORTRESS PLATFORM		7.01	28.04
2	4	X-LPP-A7	CORNER WELDMENT ATTACHMENT ANGLE	2 1/2 in	1.27	5.08
3	2	G12R-8	1/2" x 8" THREADED ROD (HDG.)		0.45	0.89
4	4	X-UB5304	5/8" X 3" X 4-1/4" X 2-1/2" U-BOLT	4 1/4 in	1.03	4.13
5	4	G58214	5/8" x 2-1/4" HDG HEX BOLT GR5		0.29	1.17
6	16	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.13
7	16	G58LW	5/8" HDG LOCKWASHER		0.03	0.42
8	16	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.08
		•			TOTAL WT. #	42.70





REPRESENTATION VIEW FOR 3-SIDED FORTRESS

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 AND ANGLES ARE ± 1/2 DEGREE ALL OTHER MACHINING (± 0.030") ALL OTHER ASSEMBLY (± 0.060") PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS 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
14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)



Engineering Support Team: sp1engineering@valmont.com

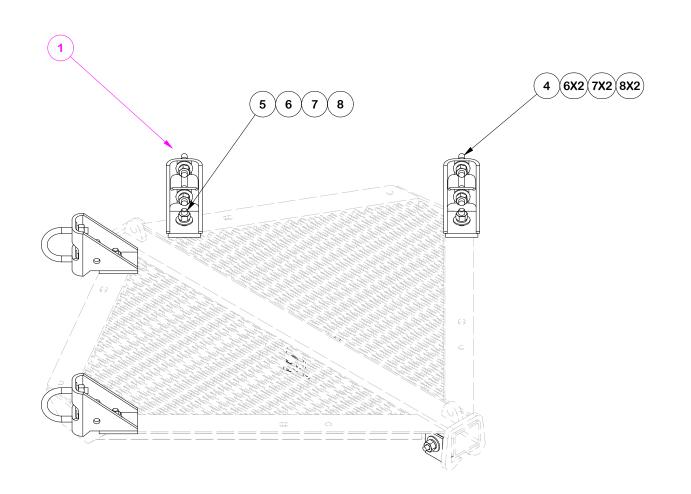
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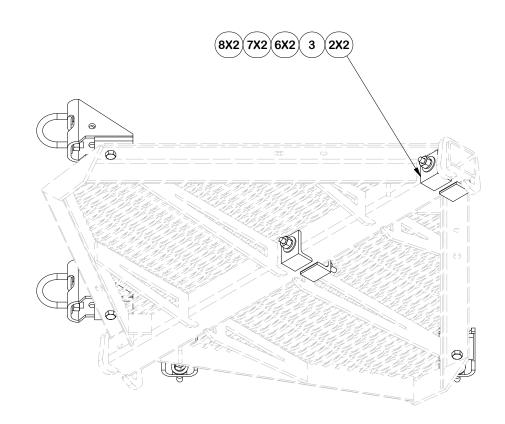
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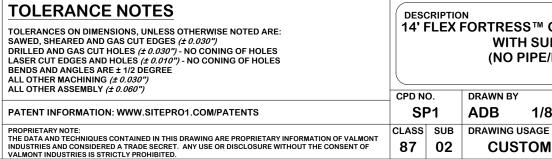
PART NO.
FCWHW
DWG. NO.
FX4P14-NPNH

NOTE: FOR 4-SIDED ASSEMBLY, ONLY POSITION OF FACE PIPE CONNECTION BRACKET CHANGES





REPRESENTATION VIEW FOR **4-SIDED FORTRESS**



14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL (NO PIPE/HARDWARE)

1/8/2025

CUSTOMER

DRAWN BY

ADB

02

ENG. APPROVAL

CHECKED BY

JET



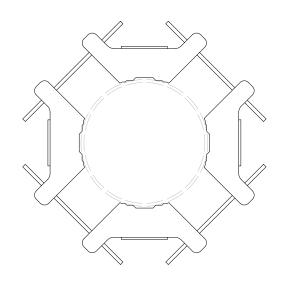
Engineering Support Team: sp1engineering@valmont.com

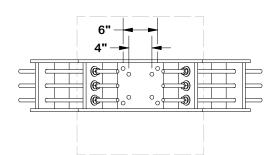
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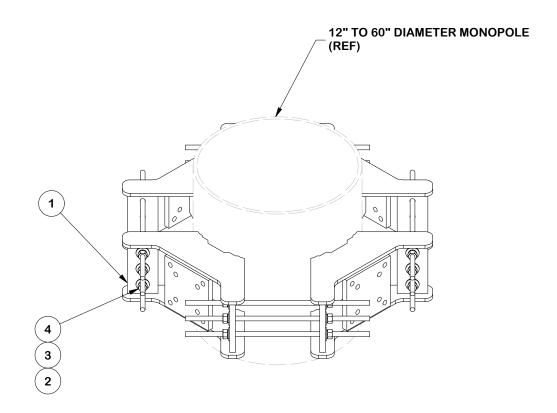
FCWHW 1/17/2025 DWG. NO. 1/17/2025 **FX4P14-NPNH**





4863 JET 7/10/2024

PARTS LIST ITEM QTY PART NO. PART DESCRIPTION LENGTH UNIT WT. NET WT. X-UQB4 **QUAD BRACKET WELDMENT** 61.80 247.19 24 G58FW 5/8" HDG USS FLATWASHER 1/8 in 0.07 1.69 24 G58LW 5/8" HDG LOCKWASHER 0.03 0.63 24 **G58NUT** 5/8" HDG HEAVY 2H HEX NUT 4 3.12 12 G58R-48 5/8" X 48" THREADED ROD (HDG.) 4.43 53.19 G58R-24 5/8" X 24" THREADED ROD (HDG.) 2.22 12 26.60 **TOTAL WT. #** 332.41



TOLERANCE NOTES

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ALL OTHER MACHINING $(\pm 0.030'')$ ALL OTHER ASSEMBLY $(\pm 0.060'')$

PROPRIETARY NOTE:
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INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF
VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

WITH SUPPORT RAIL

(NO PIPE/HARDWARE)



Engineering Support Team: 1-888-753-7446

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

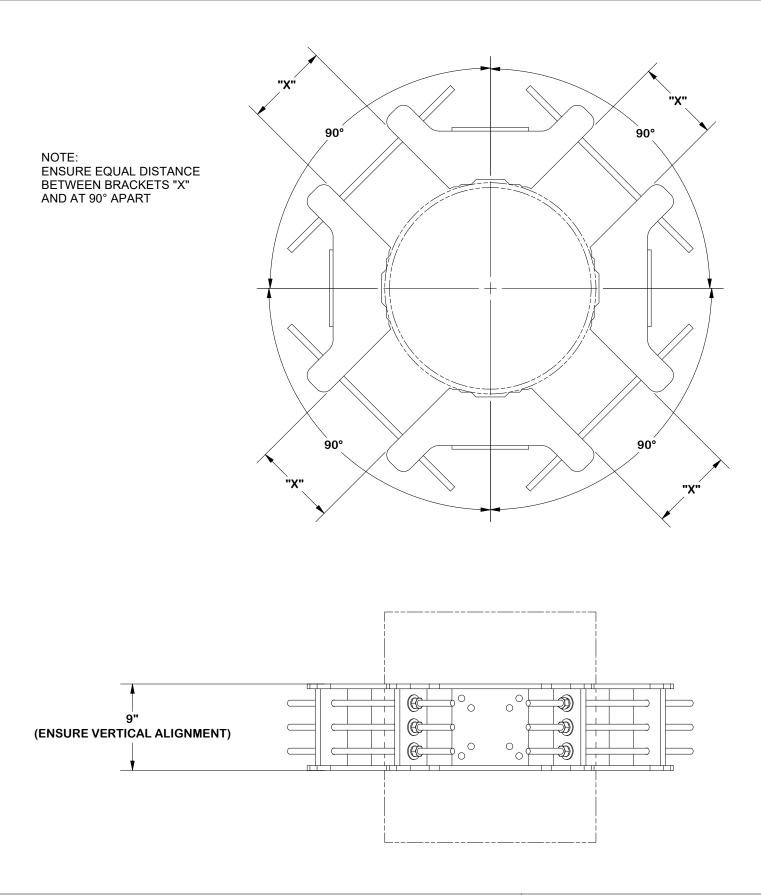
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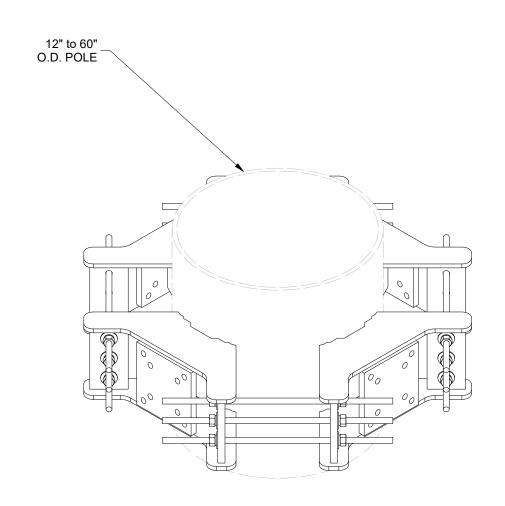
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		<u> </u>
	PART NO.	
25		UQB4
	DWG. NO.	
25		FX4P14-NPNH

B ADDED INSTALLATION INFO 4863 CEK 10/20/2023
A UQB4 revised to meet modern loading 4863 JET 6/3/2019
REV DESCRIPTION OF REVISIONS CPD BY DATE
REVISION HISTORY

FIXED PART WEIGHT AND CLERICAL ITEMS





С	FIXED PART WEIGHT AND CLERICAL ITEMS	4863	JET	7/10/2024		
В	ADDED INSTALLATION INFO	4863	CEK	10/20/2023		
Α	UQB4 revised to meet modern loading	4863	JET	6/3/2019		
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE		
REVISION HISTORY						

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

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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL (NO PIPE/HARDWARE)



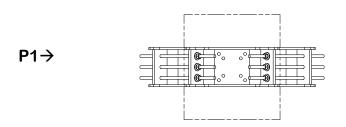
Engineering Support Team: 1-888-753-7446

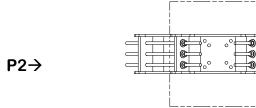
Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX

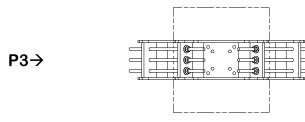
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25	FX4P14-NPNH		
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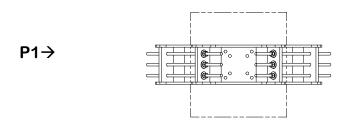
INSTALL ORDER

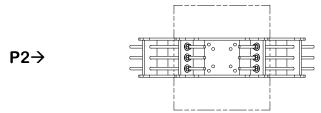


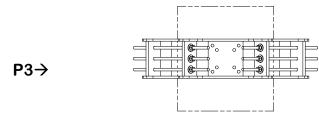




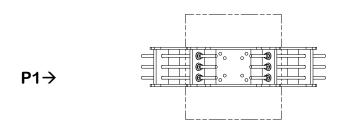
INITIAL TIGHTENING

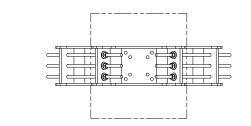


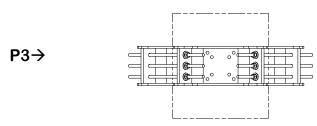




FINAL TIGHTENING







С	FIXED PART WEIGHT AND CLERICAL ITEMS	4863	JET	7/10/2024		
В	ADDED INSTALLATION INFO	4863	CEK	10/20/2023		
Α	UQB4 revised to meet modern loading	4863	JET	6/3/2019		
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE		
REVISION HISTORY						

TOLERANCE NOTES

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PRIETARY NOTE:	To
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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL (NO PIPE/HARDWARE)

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A valmont ∛	COMPANY

Engineering Support Team: 1-888-753-7446

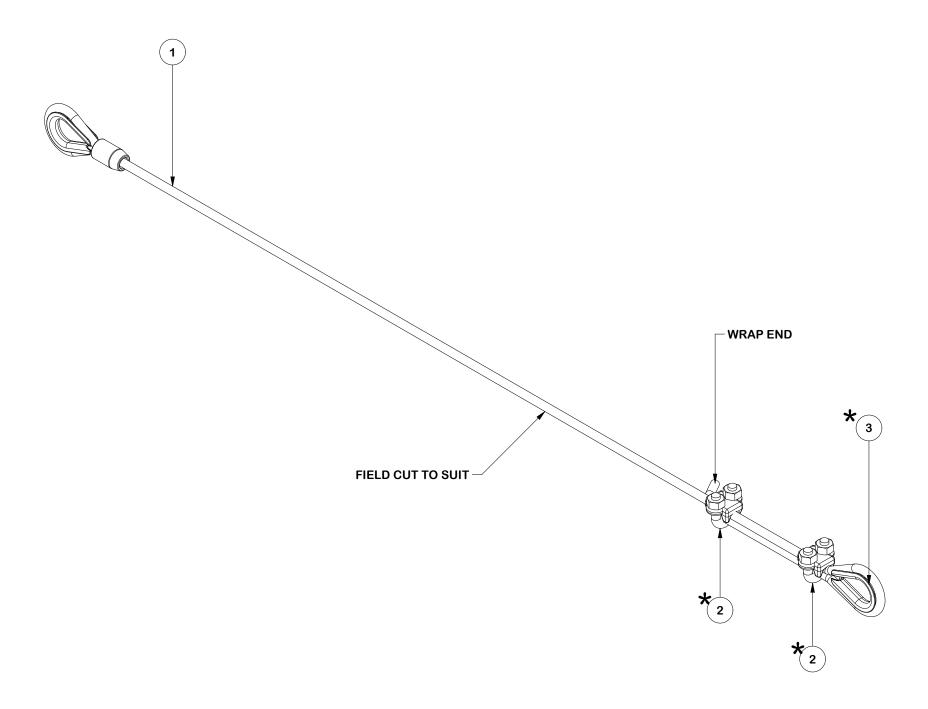
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

16

OF 17

	PART NO.	ENG. APPROVAL	DRAWN BY		CPD NO.		
UQB4		1/17/2025	1/8/2025	ADB	21	SF	
	DWG. NO.	CHECKED BY	ING USAGE	DRAWING U	SUB	CLASS	
FX4P14-NP		JET 1/17/2025	USTOMER	cus	02	87	

PARTS LIST								
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.		
1	1	X-C3815	3/8" X 15'-0" CABLE W/ ONE THIMBLE SWAGED END	180 in	5.86	5.86		
2	2	320153	CROSBY 3/8" WIRE ROPE CLIP		1.32	2.63		
3	1	320778	CROSBY 3/8" THIMBLE		0.07	0.07		
					TOTAL WT. #	8.56		



*TO BE ASSEMBLED IN THE FIELD

В		4863	CEK	10/20/2023			
С		4863	JET	7/10/2024			
Α	REVISED	4863	JET	6/3/2019			
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE			
	REVISION HISTORY						

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CPD NO.		DRAWN BY		ENG. APPROVAL		PAF	
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14' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

WITH SUPPORT RAIL (NO PIPE/HARDWARE)

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