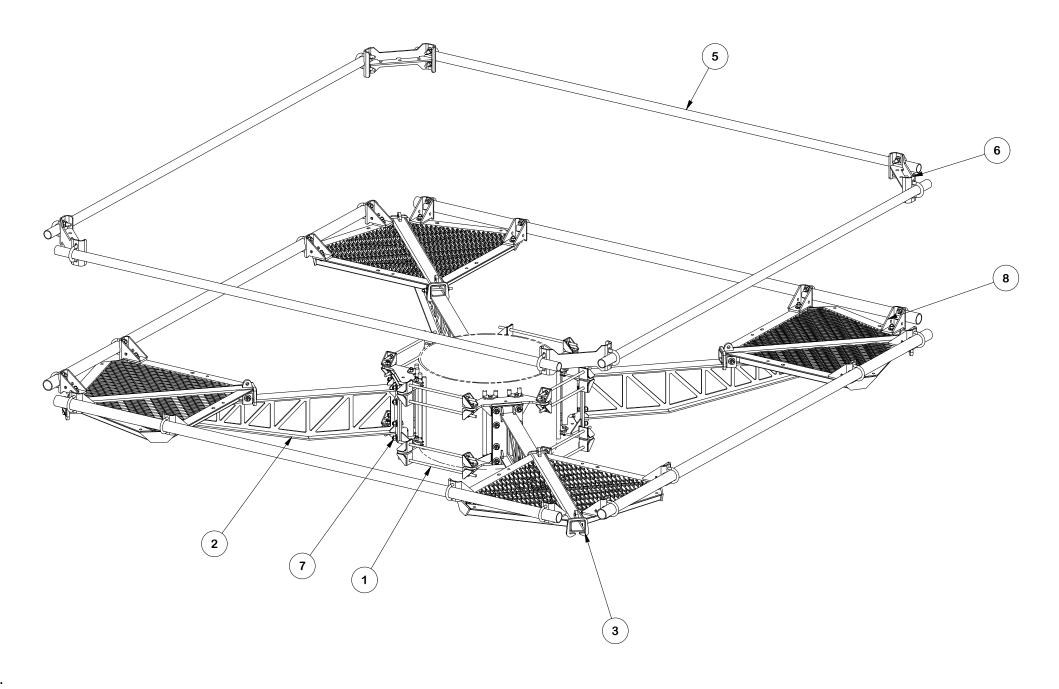
	PARTS LIST							
ITEM	QTY	PART NO.	BOX NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.	
1	1	FLX4-HD		FLEXIBLE RING MOUNT 4-SIDED HEAVY DUTY ASSEMBLY		504.00	504.00	
2	4	X-LPP-SA12		SIDE ARM WELDMENT FOR 12' LOW PROFILE PLATFORMS		119.21	476.84	
3	4	X-LPP-CW		LOW PROFILE PLATFORM CORNER WELDMENT		198.75	795.01	
4	4	P30156		2-7/8" X 156" (2-1/2" SCH. 40) GALVANIZED PIPE	156 in	80.01	320.06	
5	4	P2156		2-3/8" X 156" SCH. 40 GALVANIZED PIPE (A53 Gr.B Fy=35 ksi min.)	96 in	32.60	130.41	
6	4	F4HR	P-F4HR	FOUR SIDED CORNER WELDMENT KIT		24.78	99.11	
7	4	LPPSA-HW	P-LPPSA-HW	TRUSS ARM CONNECTION HARDWARE		4.14	16.57	
8	4	FCWHW	P-FCWHW	FORTRESS CORNER WELDMENT HARDWARE KIT		42.93	171.72	
						TOTAL WT. #	2503.29	



FINISH: HOT DIP GALVANIZED.

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:
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13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

WITH SUPPORT RAIL (NO PIPE/HARDWARE)



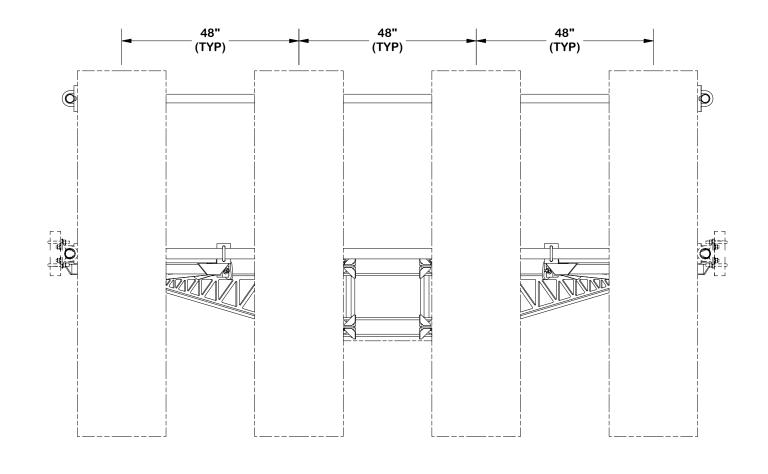
Engineering Support Team: sp1engineering@valmont.com

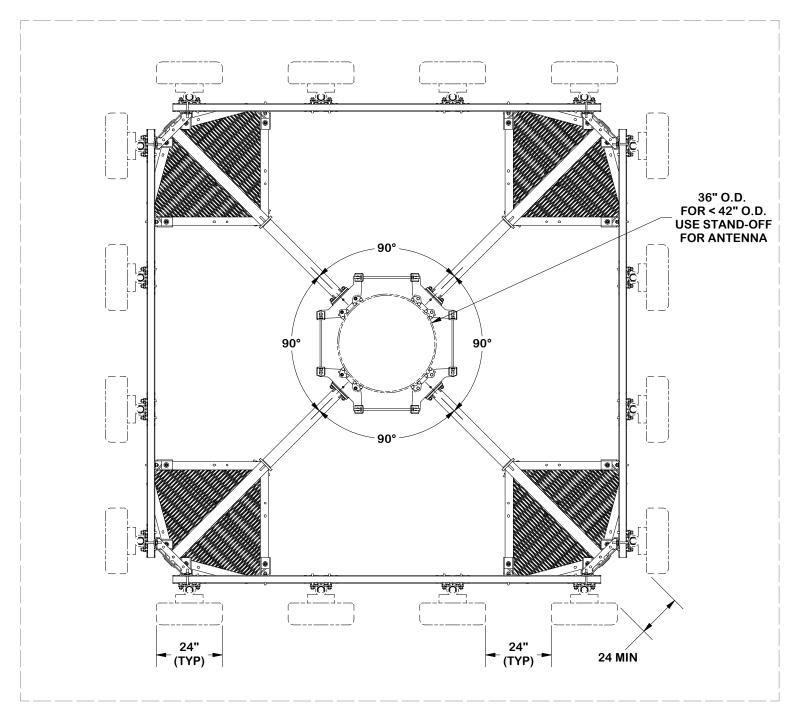
PAGE OF 12

	CPD N	0.	DRAWN BY		ENG. APP	PROVAL	PA
	SF	21	ADB	1/8/2025		1/17/2025	
	CLASS	SUB	DRAWING U	SAGE	CHECKE	D BY	DΝ
NT :	87	02	CUST	TOMER	JET	1/17/2025	

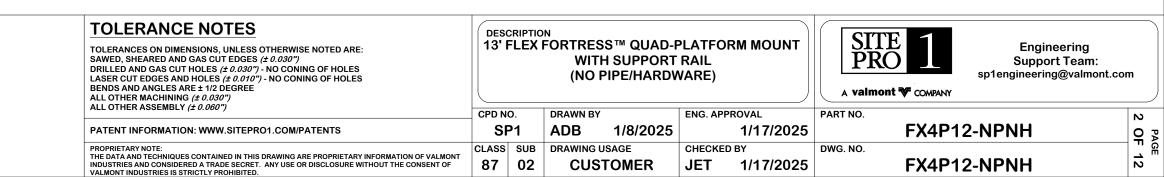
FX4P12-NPNH WG. NO. FX4P12-NPNH

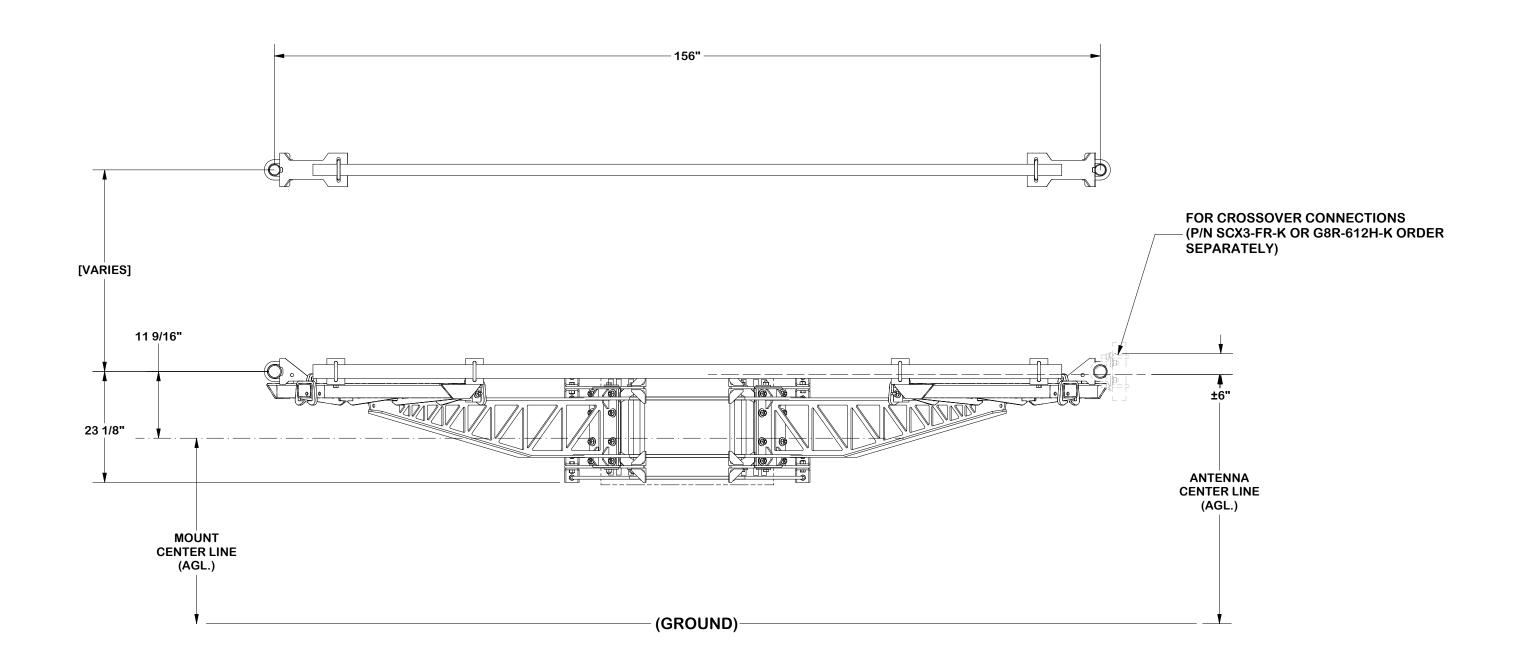
4 ANTENNA FORTRESS LAYOUT



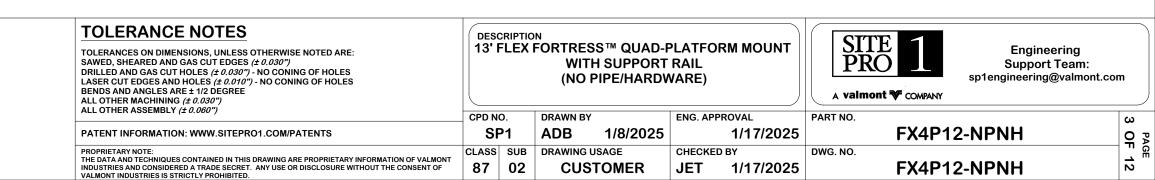


SEPARATION GUIDELINE

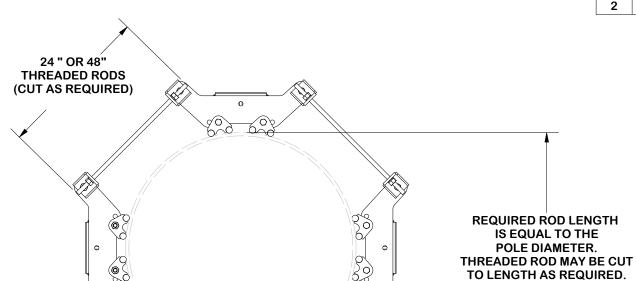




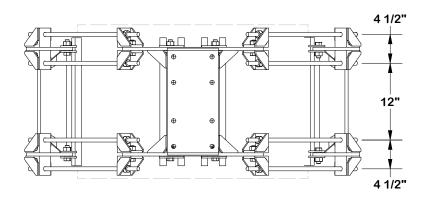
MOUNTING GUIDELINE



HEAVY STAMP PART NUMBER

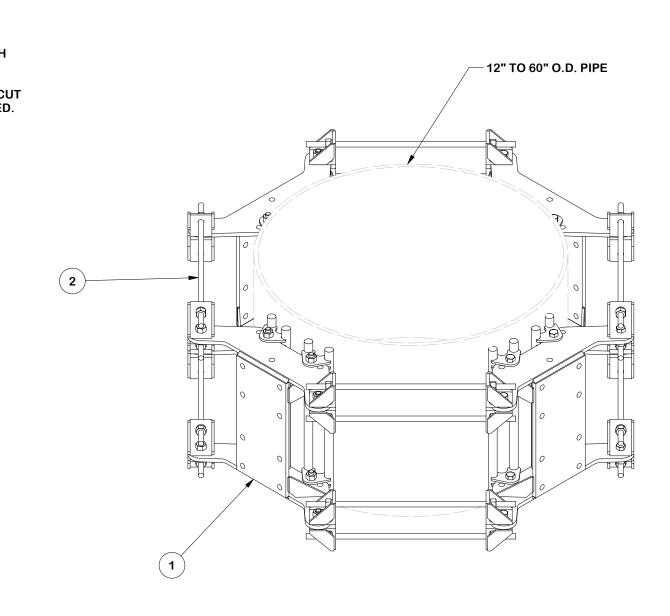


COMPATIBLE WITH 6" X 6" HOLE PATTERN AND FORTRESS™ STANDOFF ARM



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 NOTES	DESCRIPTION
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:	13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
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	WITH SUPPORT RAIL (NO PIPE/HARDWARE)

BENDS AND ANGLES ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060") CPD NO. DRAWN BY SP1 1/8/2025 PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS **ADB** PROPRIETARY NOTE:
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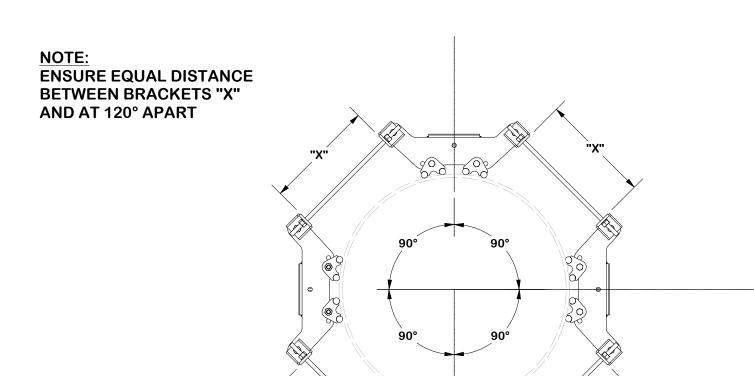
6 1/4"

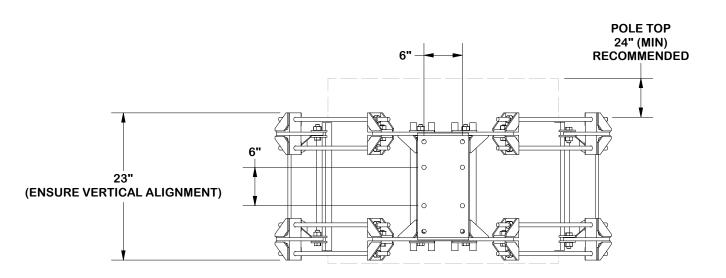
ENG. APPROVAL 1/17/2025 87 02 **CUSTOMER JET** 1/17/2025

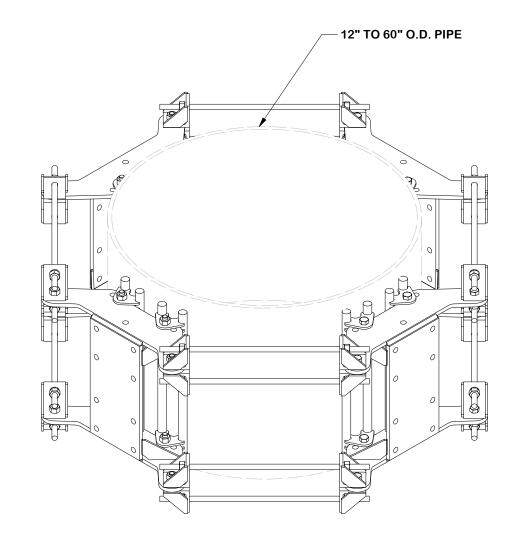
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Engineering Support Team: sp1engineering@valmont.com

FLX4-HD 9 8 DWG. NO. 12 FX4P12-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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13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)

SITE PRO 1

Engineering Support Team: sp1engineering@valmont.com

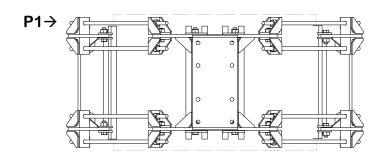
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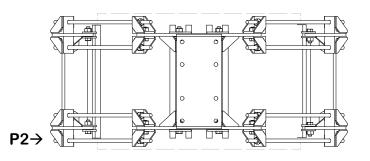
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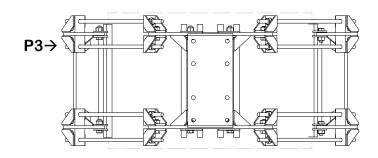
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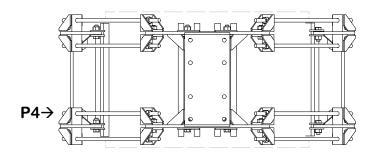
FLX4-HD
DWG. NO.
FX4P12-NPNH

INSTALL ORDER

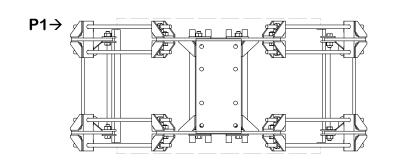


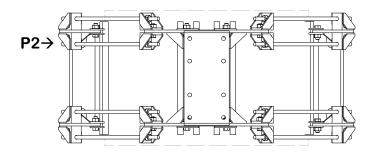


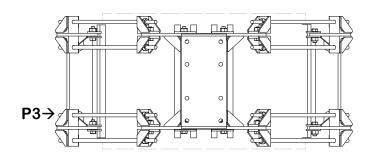


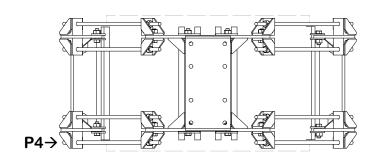


INITIAL TIGHTENING

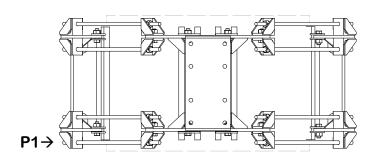


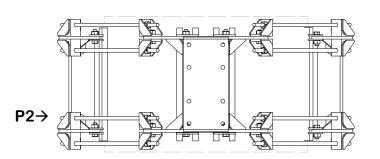


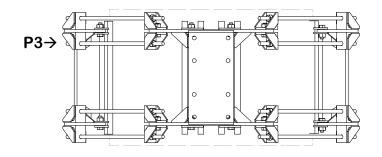


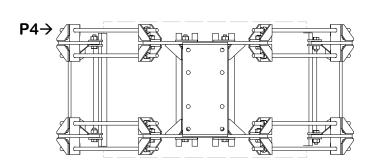


FINAL TIGHTENING









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

PROPRIETARY NOTE:
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VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

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



Engineering Support Team: sp1engineering@valmont.com

QF

12

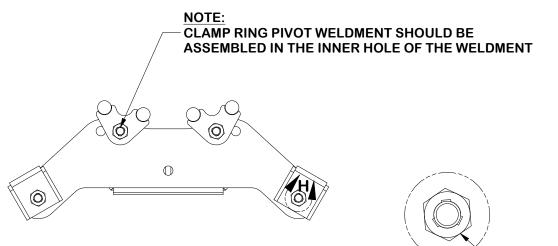
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	SF	P1	ADB	1/8/2025		1/17/2025		
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ONT OF	87	02	CUS	TOMER	JET	1/17/2025		

PART NO.

FLX4-HD

DWG. NO.

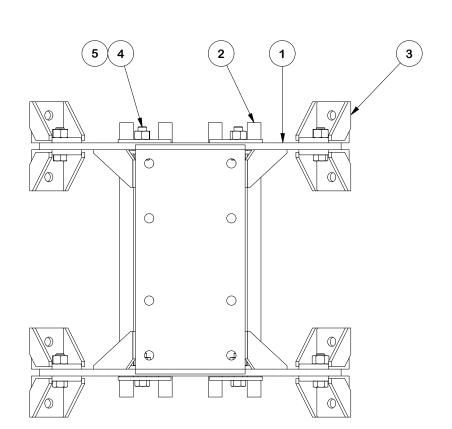
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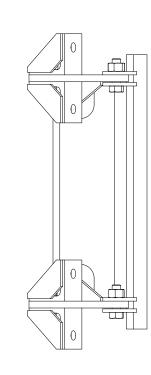


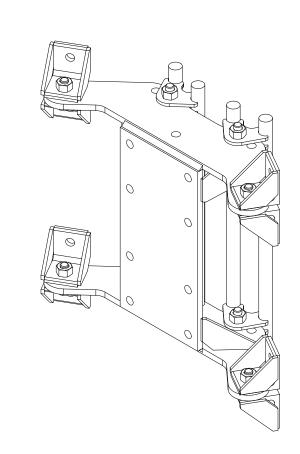
DETAIL H

NOTE:
FOR TRI-LOCKNUT INSTALLATION, ENSURE GROOVED SIDE

IS ORIENTED AWAY FROM THE BOLT HEAD







PARTS LIST

PART DESCRIPTION

HEAVY FLEXIBLE RING MOUNT

20" CLAMP RING PIVOT WELDMENT

ANGLE ON WELDMENT

5/8" x 2" HDG HEX BOLT GR5

5/8" HDG HEAVY 2H TRI-LOCK NUT

UNIT WT.

55.25

11.12

2.20

0.27

0.14

TOTAL WT. #

NET WT.

55.25

22.25

17.57

2.16

1.10

98.32

FINISH: HOT DIP GALVANIZED.

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TOLET	DANCES OF	DIMENS	ONE II	NI FEE

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

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS
PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT
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DESCRIPTION

13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

WITH SUPPORT RAIL

(NO PIPE/HARDWARE)

ITEM QTY

2

8

8

8

2

3

4

5

PART NO.

X-CR-HDW

X-CR-PW20

X-CR-AGW

G5802

G58TRI-LNUT

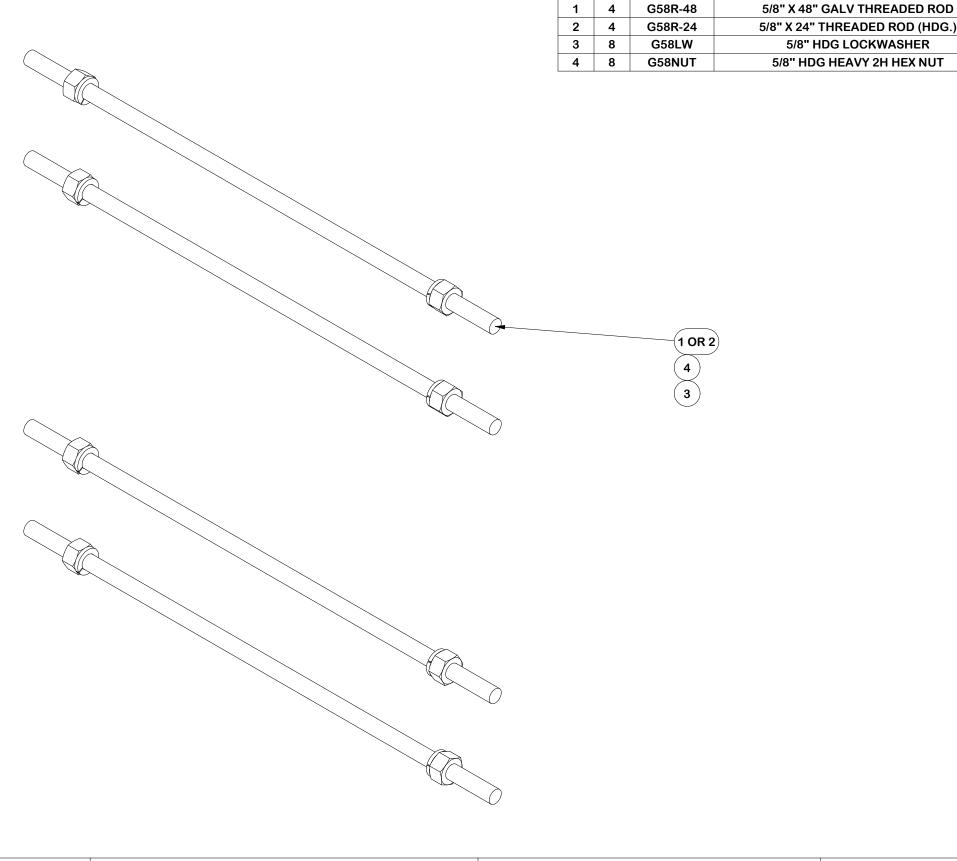
SITE PRO 1

Engineering Support Team: sp1engineering@valmont.com

> PAGE OF 12

	CPD N	0.	DRAWN BY		ENG. API	PROVAL	PAR
	SF	P1	ADB	1/8/2025		1/17/2025	
ONT	CLASS	SUB	DRAWING I	JSAGE	CHECKE	D BY	DW
DF	87	02	CUS	TOMER	JET	1/17/2025	

	PART NO.	
25		FLX-HDSS
	DWG. NO.	
25	F.	X4P12-NPNH



FINISH: HOT DIP GALVANIZED.

TOLERANCE NOTES

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

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13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

ITEM QTY

PART NO.

WITH SUPPORT RAIL (NO PIPE/HARDWARE)



PARTS LIST PART DESCRIPTION

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

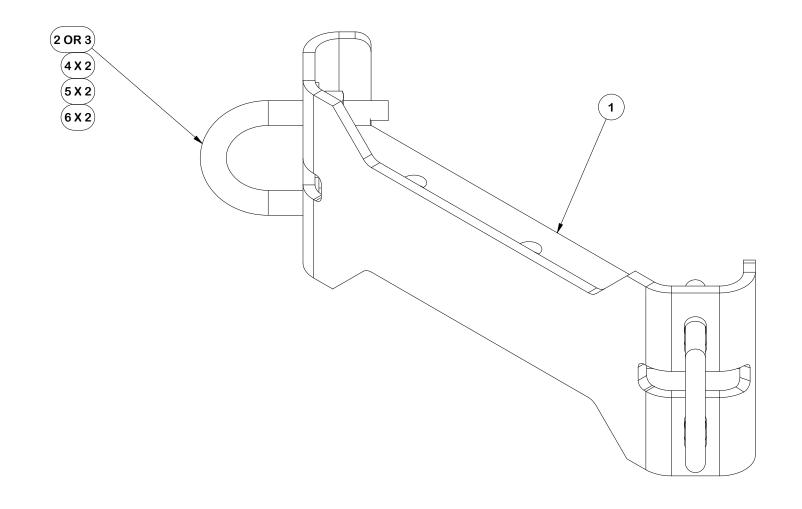
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Engineering Support Team: sp1engineering@valmont.com

	CPD NO.		DRAWN BY		ENG. APP	ROVAL	PART NO.	
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	CLASS	SUB	DRAWING U	JSAGE	CHECKED	BY	DWG. NO.	
NI	87	02	CUS.	TOMER	JET	1/17/2025		FX4P12-NPNH

OF PAG 12

	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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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")

WITH SUPPORT RAIL (NO PIPE/HARDWARE) CPD NO. DRAWN BY ENG. APPROVAL SP1 ADB

02

DESCRIPTION
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT

A valmont V COMPANY

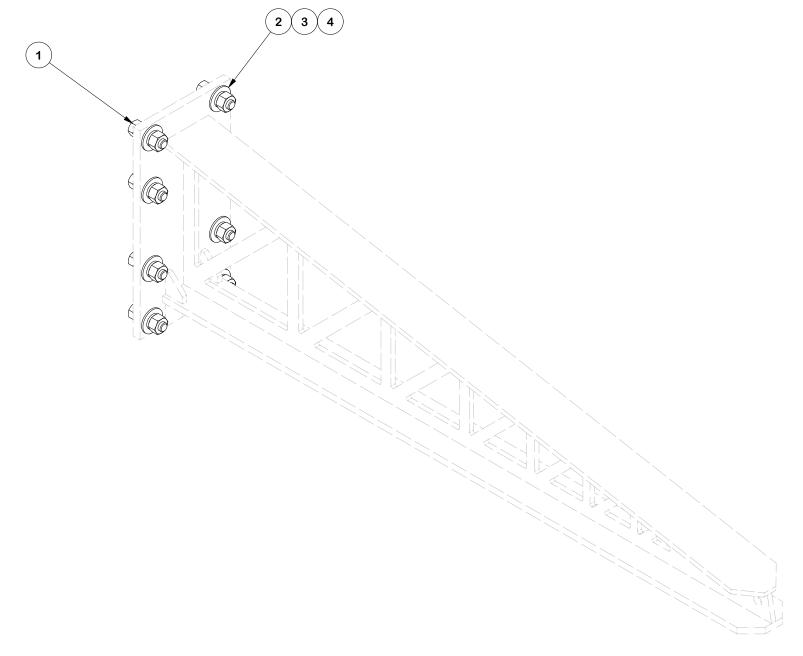
Engineering Support Team: sp1engineering@valmont.com

PAGE OF 12

	CPDN
PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS	SF
	CLASS
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.	87

F4HR 1/8/2025 1/17/2025 LASS SUB DRAWING USAGE CHECKED BY DWG. NO. FX4P12-NPNH **CUSTOMER JET** 1/17/2025

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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ALL OTHER ASSEMBLY (± 0.060")

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



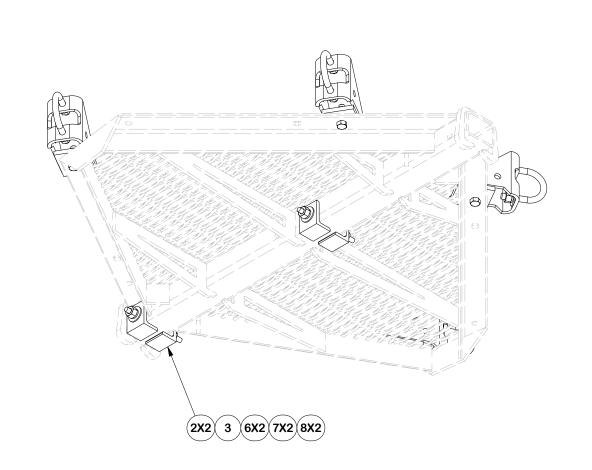
Engineering Support Team: sp1engineering@valmont.com

	CPD NO.		DRAWN BY		ENG. APPROVAL		PA
	SP1		ADB	1/8/2025	5 1/17/202		
	CLASS	SUB	DRAWING USAGE		CHECKED BY		D۷
NT	87	02	CUS	TOMER	JET	1/17/2025	

PART NO. 10 LPPSA-HW PAGE OF 12 WG. NO. FX4P12-NPNH

5 1	6 7 8	3	2
			DETAIL I
		6X2 7X2 8X2	

	PARTS LIST								
ITEM	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
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT
WITH SUPPORT RAIL
(NO PIPE/HARDWARE)



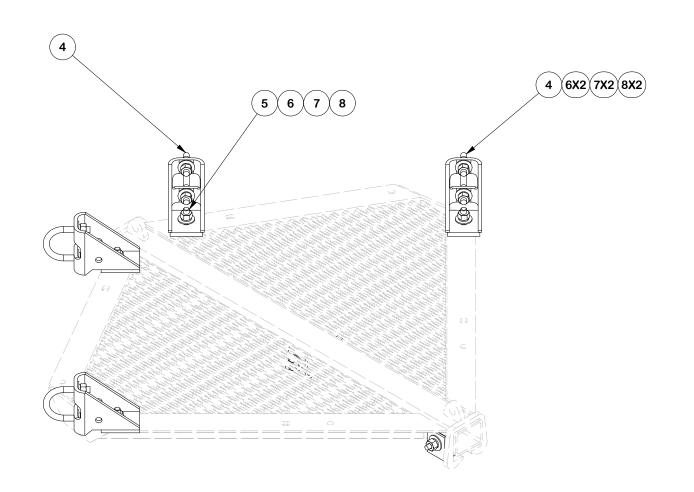
Engineering Support Team: sp1engineering@valmont.com

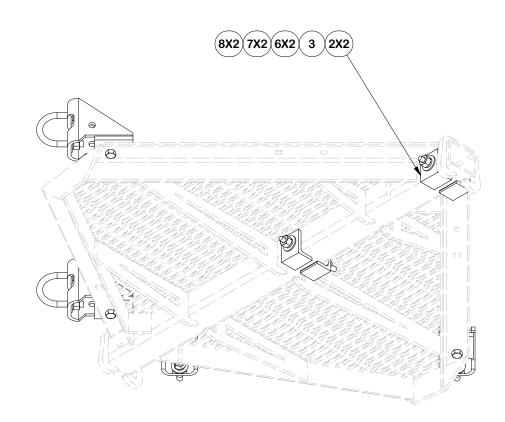
OF 12

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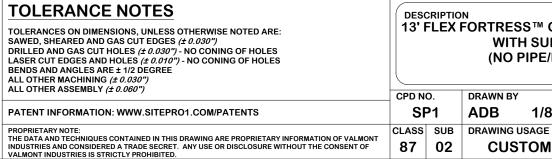
PART NO.
FCWHW
DWG. NO.
FX4P12-NPNH

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





REPRESENTATION VIEW FOR **4-SIDED FORTRESS**



13' 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 FX4P12-NPNH