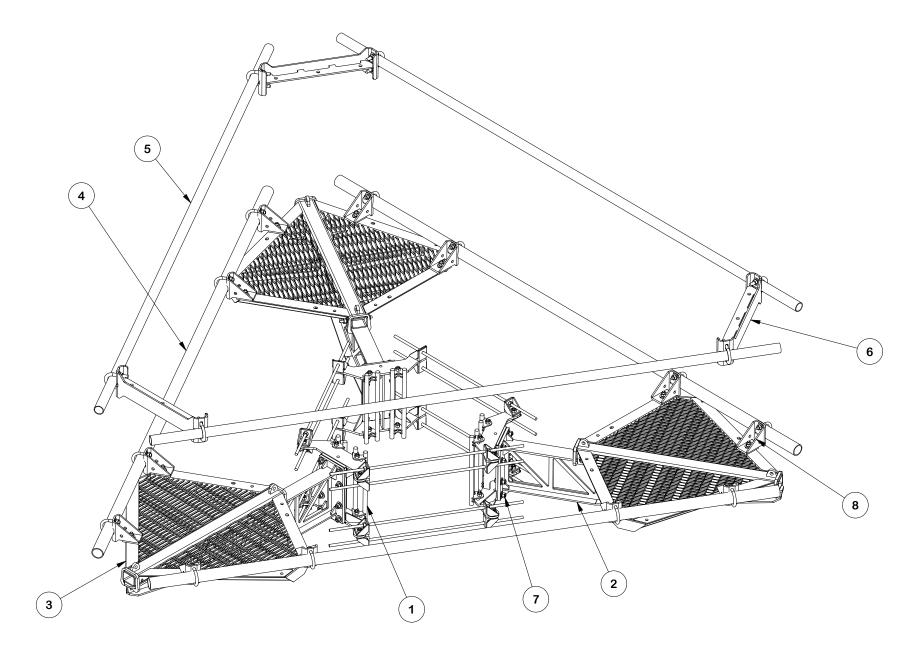
PARTS LIST								
ITEM	QTY	PART NO.	LENGTH	UNIT WT.	NET WT.			
1	1	FLX3-HD	FLEXIBLE RING MOUNT 3-SIDED HEAVY DUTY ASSEMBLY		378.00	378.00		
2	3	X-LPP-SA12	SIDE ARM WELDMENT FOR 12' LOW PROFILE PLATFORMS		119.21	357.63		
3	3	X-LPP-CW	LOW PROFILE PLATFORM CORNER WELDMENT		198.75	596.26		
4	3	P30156	2-7/8" X 156" (2-1/2" SCH. 40) GALVANIZED PIPE	156 in	80.01	240.04		
5	3	P2156	2-3/8" X 156" SCH. 40 GALVANIZED PIPE (A53 Gr.B Fy=35 ksi min.)	96 in	32.60	97.81		
6	3	F3HR	THREE SIDED CORNER WELDMENT KIT		33.18	99.53		
7	3	LPPSA-HW	TRUSS ARM CONNECTION HARDWARE		4.14	12.43		
8	3	FCWHW	FORTRESS CORNER WELDMENT HARDWARE KIT		42.93	128.79		
					TOTAL WT. #	1902.66		



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")

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

SITE 1

A valmont T COMPANY

Engineering Support Team: sp1engineering@valmont.com

> PAGE OF 12

ALL OTHER ASSEMBLT (2 0.000 )				
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.				

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ALMONT	CLASS	SUB	DRA
NT OF	87	02	(

DRAWN BY

CPD NO.

ADB 1/8/2025 1/14/2025

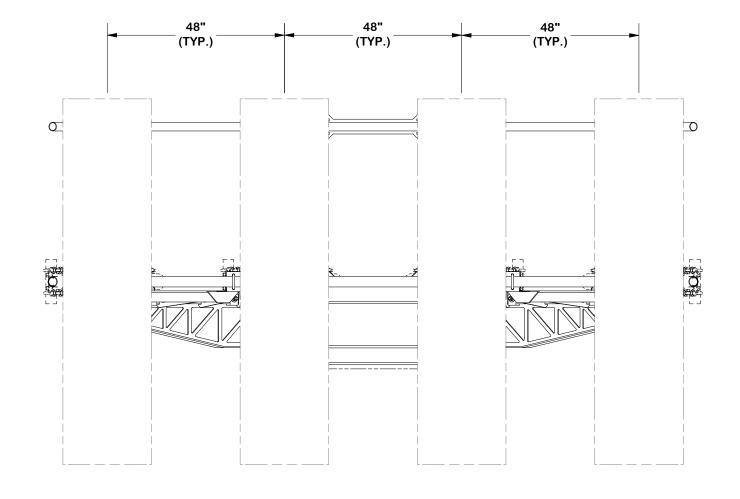
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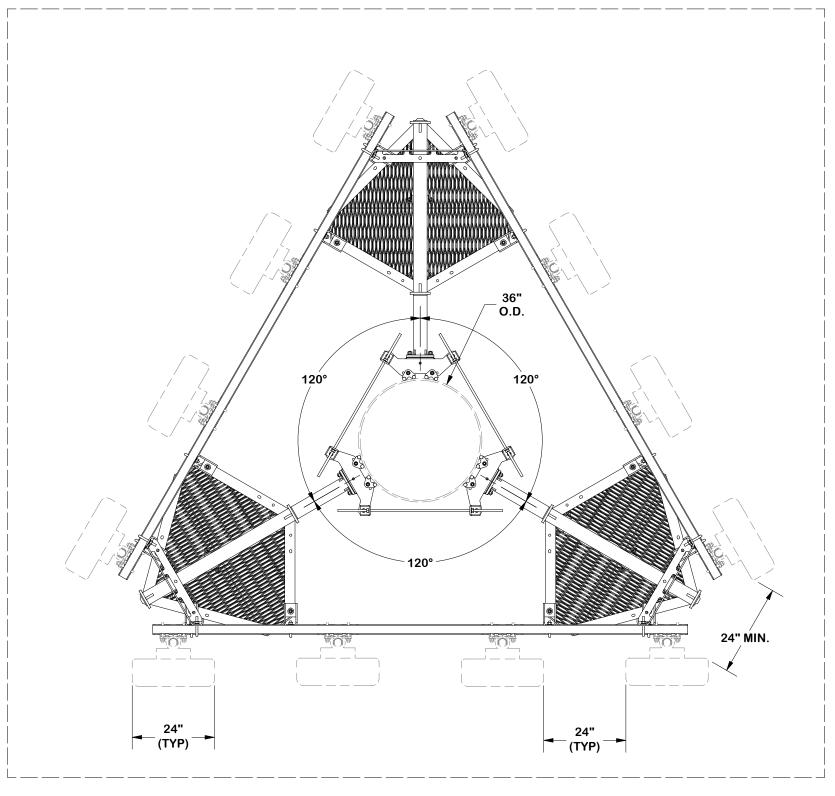
CUSTOMER JET 1/14/2025

ENG. APPROVAL

FX3P12-NPNH
DWG. NO.
FX3P12-NPNH

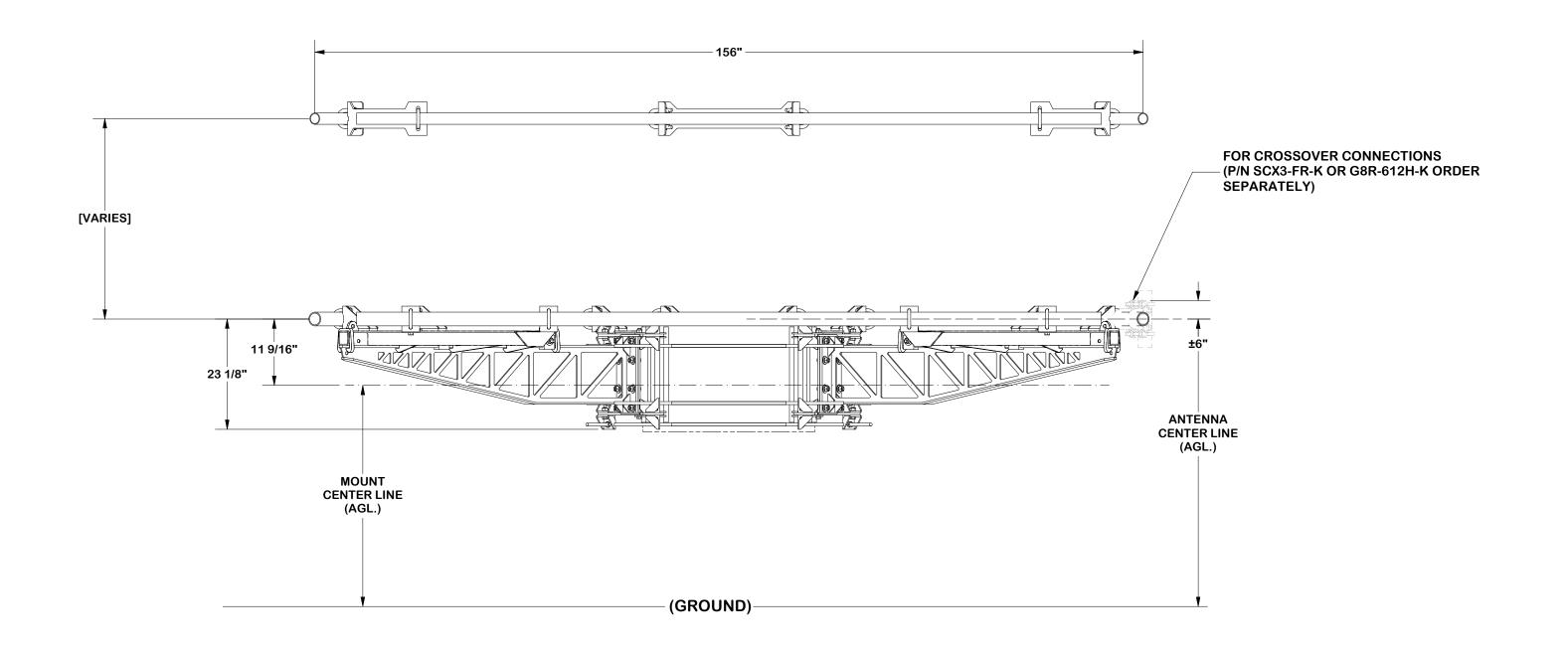
## **3 ANTENNA FORTRESS LAYOUT**



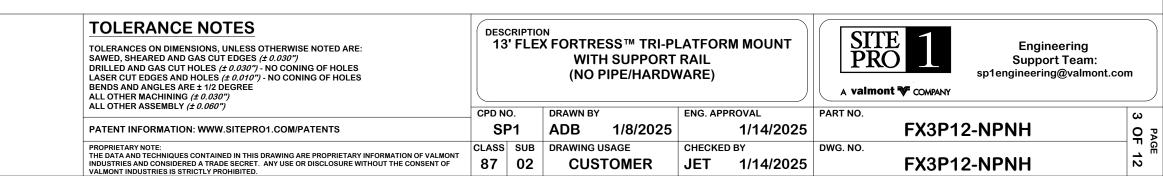


## **SEPARATION GUIDELINE**

#### **TOLERANCE NOTES** 13' FLEX FORTRESS™ TRI-PLATFORM MOUNT 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 Engineering WITH SUPPORT RAIL Support Team: sp1engineering@valmont.com (NO PIPE/HARDWARE) 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") A valmont **▼** COMPANY ENG. APPROVAL CPD NO. DRAWN BY FX3P12-NPNH SP1 ADB 1/8/2025 1/14/2025 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. CLASS SUB DRAWING USAGE CHECKED BY DWG. NO. 12 FX3P12-NPNH 87 02 **CUSTOMER** 1/14/2025 **JET**



## **MOUNTING GUIDELINE**



**CUSTOMER** 

1/14/2025

**JET** 

FX3P12-NPNH

87

02

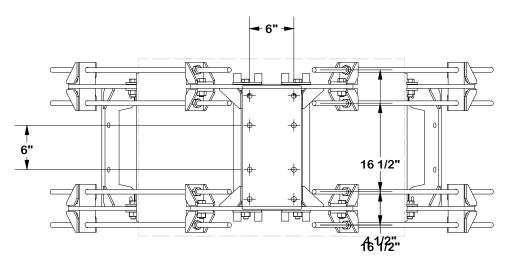
HEAVY STAMP PART NUMBER

**PARTS LIST** ITEM QTY PART NO. BOX NO. PART DESCRIPTION UNIT WT. NET WT. P-FLX-HDSS FLEXIBLE RING MOUNT HEAVY-DUTY SINGLE SECTOR ASSEMBLY FLX-HDSS 98.32 294.97 2 FLEXIBLE RING MOUNT HARWARE KIT 3 HDRM-HW P-HDRM-HW 83.03 27.68 TOTAL WT. # 378.00

REQUIRED ROD LENGTH
IS EQUAL TO THE
POLE DIAMETER.
THREADED ROD MAY BE CUT
TO LENGTH AS REQUIRED.

6 1/4"

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



FINISH: HOT DIP GALVANIZED.



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")

WITH SUPPORT RAIL
(NO PIPE/HARDWARE)

CPD NO. DRAWN BY ENG. APPROVAL

13' FLEX FORTRESS™ TRI-PLATFORM MOUNT

SITE 1

A valmont \* COMPANY

Engineering Support Team: sp1engineering@valmont.com

Α	CHANGED KITS	SP1	ADB	12/12/2024
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE

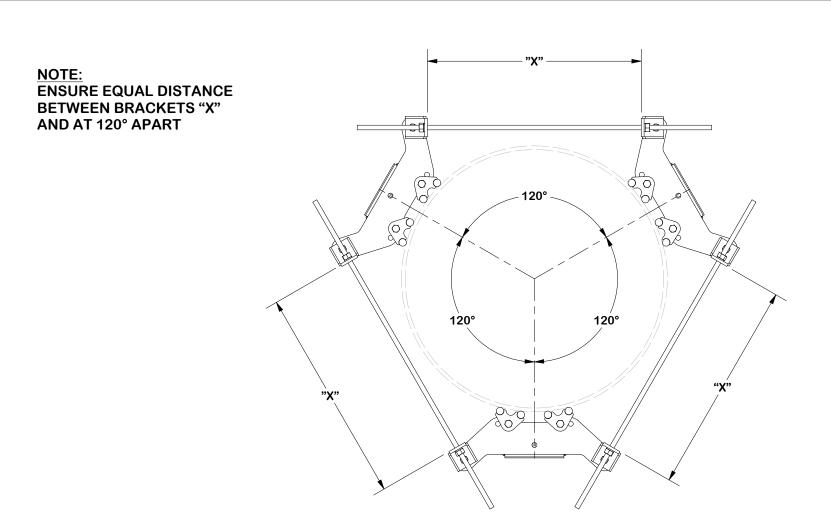
**REVISION HISTORY** 

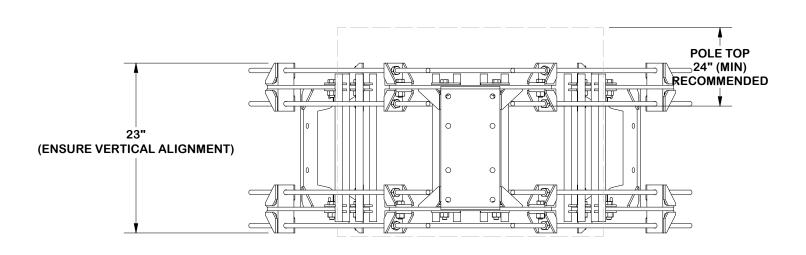
PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS
PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

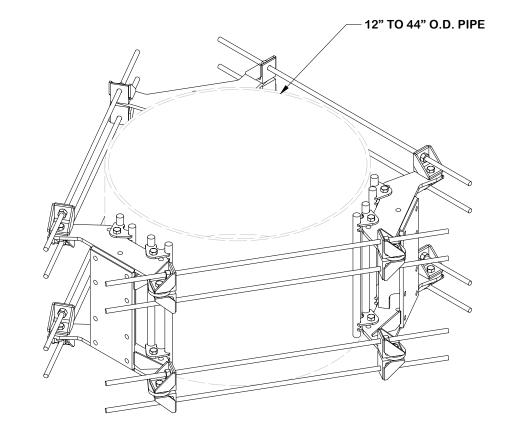
SP1		21	ADB	1/8/2025		1/14/2025
	CLASS	SUB	DRAWING	USAGE	CHECKE	D BY
	87	02	CUS	STOMER	JET	1/14/2025

	PART NO.	
2025	FLX3-HD	(
	DWG. NO.	
2025	FX3P12-NPNH	i

12" TO 44" DIAMETER MONOPOLE







## **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")

CPD BY DATE

CHANGED KITS

**DESCRIPTION OF REVISIONS** 

**REVISION HISTORY** 

REV

SP1 | ADB | 12/12/2024 | PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS PROPRIETARY NOTE:
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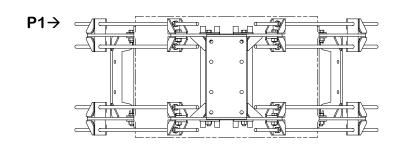


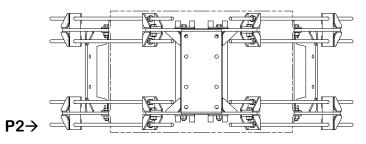
Engineering Support Team: sp1engineering@valmont.com

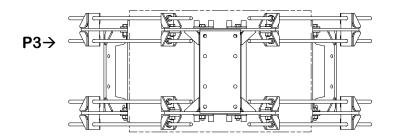
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			SP1 ADB 1/8/20		5 1/14/202		
	CLASS	SUB	DRAWING U	JSAGE	CHECKED	BY	D١
NT	87	02	CUS	TOMER	JET	1/14/2025	

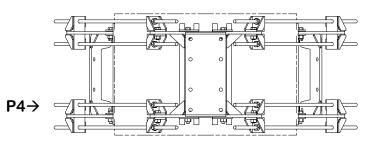
	3	
	PART NO.	Ī
5	FLX3-HD	
	DWG. NO.	
5	FX3P12-NPNH	

## **INSTALL ORDER**

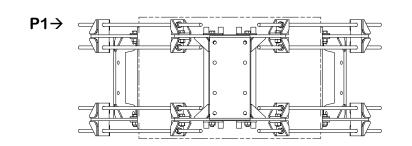


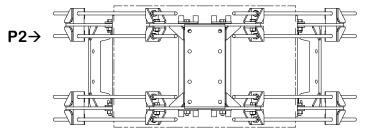


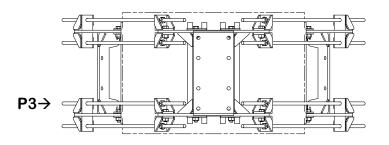


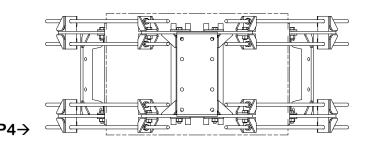


## **INITIAL TIGHTENING**

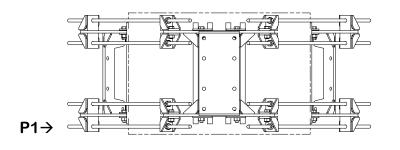


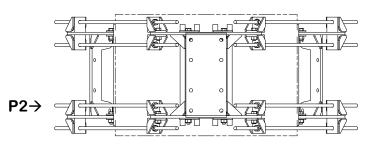


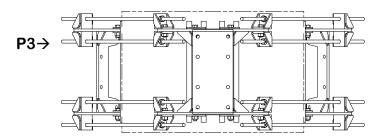


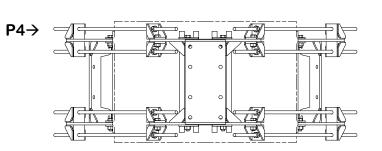


## FINAL TIGHTENING









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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 (± 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

CPD NO. DRAWN BY ENG. APPROVAL SP1 1/8/2025 **ADB** 1/14/2025

13' FLEX FORTRESS™ TRI-PLATFORM MOUNT

WITH SUPPORT RAIL

(NO PIPE/HARDWARE)



Engineering Support Team: sp1engineering@valmont.com

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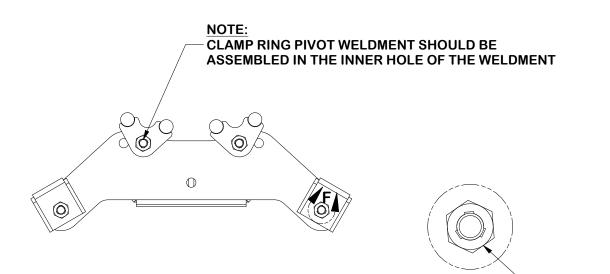
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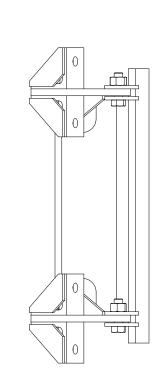
CHANGED KITS SP1 | ADB | 12/12/2024 REV CPD BY DATE **DESCRIPTION OF REVISIONS REVISION HISTORY** 

PROPRIETARY NOTE:
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DRAWING USAGE CLASS SUB **CHECKED BY** 02 **CUSTOMER JET** 1/14/2025

FLX3-HD DWG. NO. FX3P12-NPNH

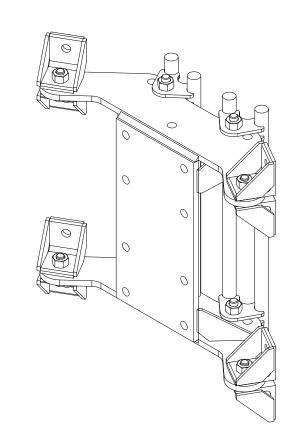


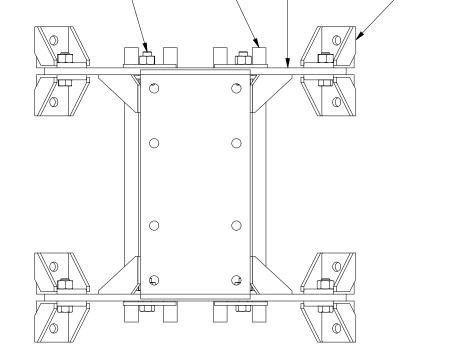


FOR TRI-LOCKNUT INSTALLATION, ENSURE GROOVED SIDE

IS ORIENTED AWAY FROM THE BOLT HEAD







FINISH: HOT DIP GALVANIZED.

**DETAIL F** 

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  $(\pm\,0.060'')$ 

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS	
PROPRIETARY NOTE:	Τ

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.

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

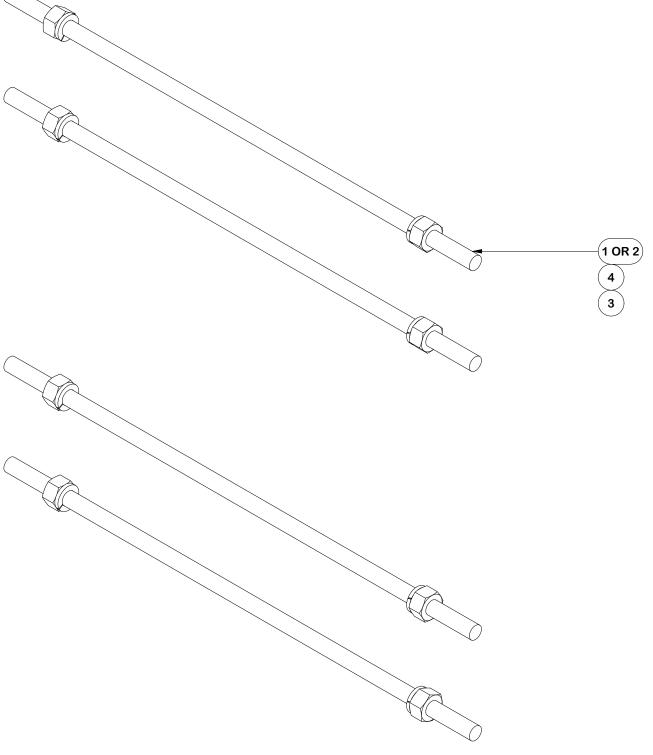


Engineering Support Team: sp1engineering@valmont.com

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	CPD NO.		DRAWN BY		ENG. APPROVAL		PART
	SP1		ADB 1/8/2025				
NT	CLASS	SUB	DRAWING U	SAGE	CHECKED	BY	DWG
IN I	87	02	CUST	<b>TOMER</b>	JET	1/14/2025	

	PART NO.	
5	FLX-HDSS	
	DWG. NO.	
5	FX3P12-NPNH	

	PARTS LIST											
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.							
2	4	G58R-24	5/8" X 24" THREADED ROD (HDG.)	2.22	8.87							
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							
1	4	G58R-48	5/8" X 48" GALV THREADED ROD	4.39	17.56							
				TOTAL WT. #	28.30							



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

## **TOLERANCE NOTES**

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ALL OTHER ASSEMBLY (± 0.060")

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DESCRIPTION
13' FLEX FORTRESS™ TRI-PLATFORM MOUNT

WITH SUPPORT RAIL
(NO PIPE/HARDWARE)



Engineering Support Team: sp1engineering@valmont.com

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CPD NO.			DRAWN BY		ENG. APP	PART NO.		
SF	21	SP	1	ADB	1/8/2025		1/14/2025	
CLASS	SUB	SS	SUB	DRAWING US	SAGE	CHECKED	BY	DWG. NO.
87	02	٠	02	CUST	OMER	JET	1/14/2025	

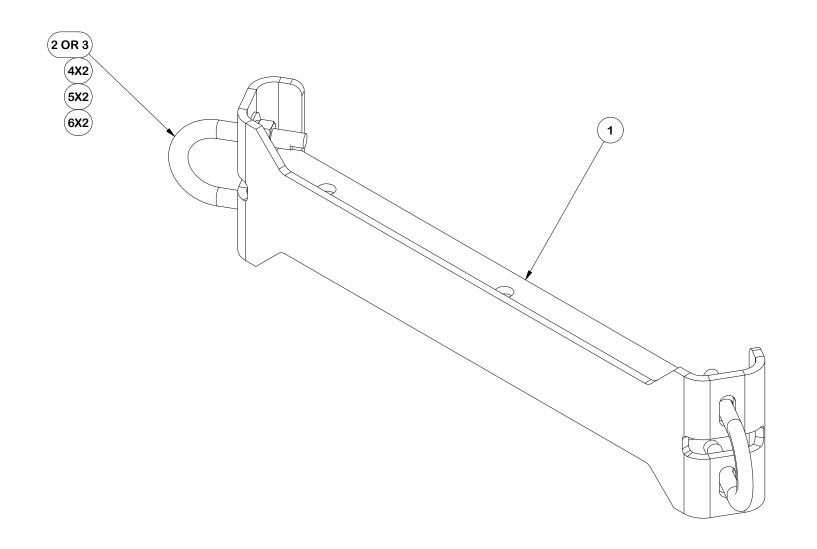
PART NO.

HDRM-HW

DWG. NO.

FX3P12-NPNH

	PARTS LIST							
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.		
1	1	X-F3PHRW	CORNER WELDMENT FOR 3-SIDED FORTRESS PLATFORM HADNRAIL KITS	28 1/2 in	27.72	27.72		
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. #	33.18		



FINISH: HOT DIP GALVANIZED.

## **TOLERANCE NOTES**

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ALL OTHER ASSEMBLY (± 0.060")

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# DESCRIPTION 13' FLEX FORTRESS™ TRI-PLATFORM MOUNT WITH SUPPORT RAIL

WITH SUPPORT RAIL (NO PIPE/HARDWARE)



Engineering Support Team: sp1engineering@valmont.com

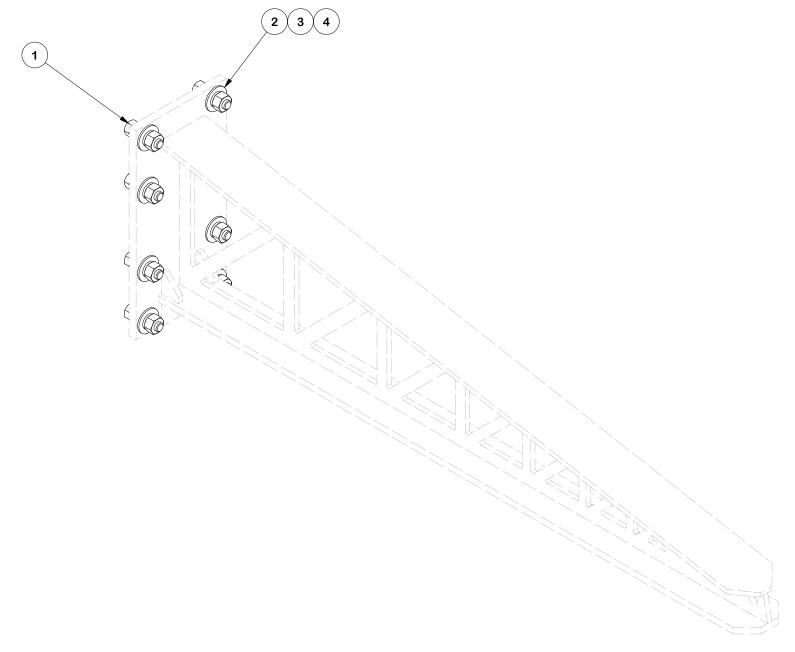
9

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12

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CPD N	0.	DRAWN BY		ENG. APPR	ROVAL	PART NO.		-
SF	21	ADB	1/8/2025		1/14/2025		F3HR	
LASS	SUB	DRAWING U	SAGE	CHECKED	BY	DWG. NO.		
87	02	CUST	OMER	JET	1/14/2025		FX3P12-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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ALL OTHER ASSEMBLY (± 0.060")

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#### DESCRIPTION

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



Engineering Support Team: sp1engineering@valmont.com

						\		
	CPD NO.		DRAWN BY		ENG. APPROVAL		PΑ	
	SP1		ADB	ADB 1/8/2025		1/14/2025		
NT	CLASS	SUB	DRAWING U	SAGE	CHECKE	D BY	D۷	
NI	87	02	CUST	<b>FOMER</b>	JET	1/14/2025		

25 LPPSA-HW
25 DWG. NO.

FX3P12-NPNH

10 PART NO.

P PART NO.

10 PART NO.

10 PART NO.

11 PART NO.

12 PART NO.

13 PART NO.

14 PART NO.

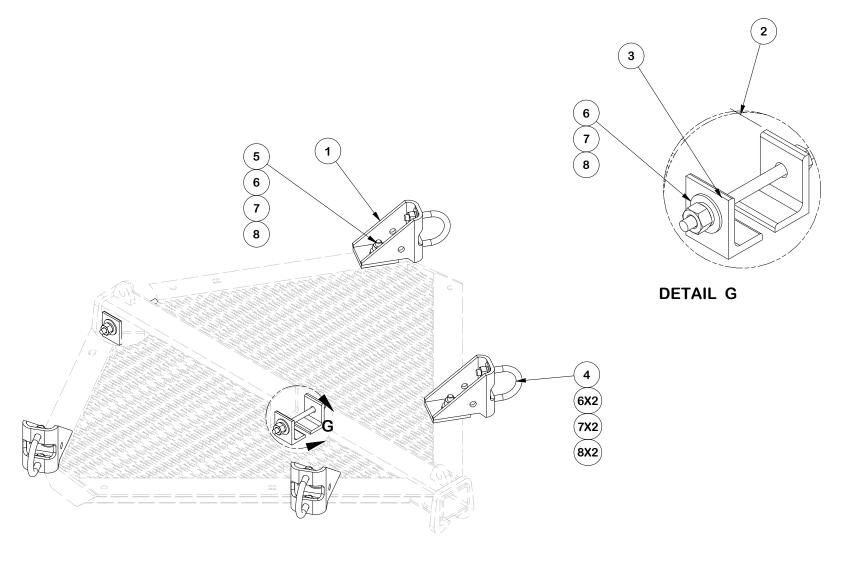
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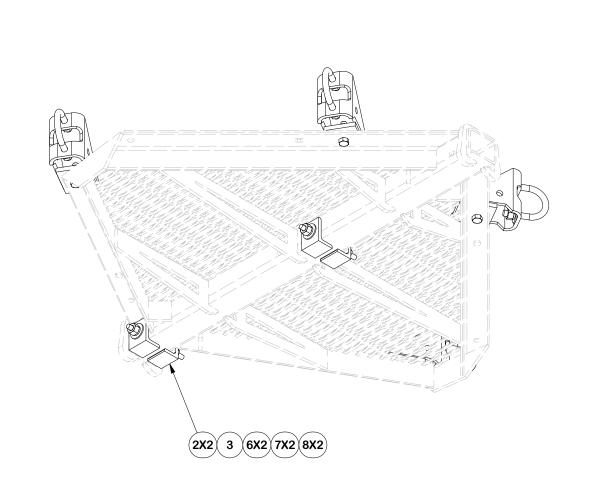
16 PART NO.

17 PART NO.

18 PAR

				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**

# 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")

**TOLERANCE NOTES** 13' FLEX FORTRESS™ TRI-PLATFORM WITH SUPPORT RAIL (NO PIPE/HARDWARE)

MOUNT	SITE PRO 1
	A valmont 🍑 COMPANY
21/41	DADT NO

Engineering Support Team: sp1engineering@valmont.com

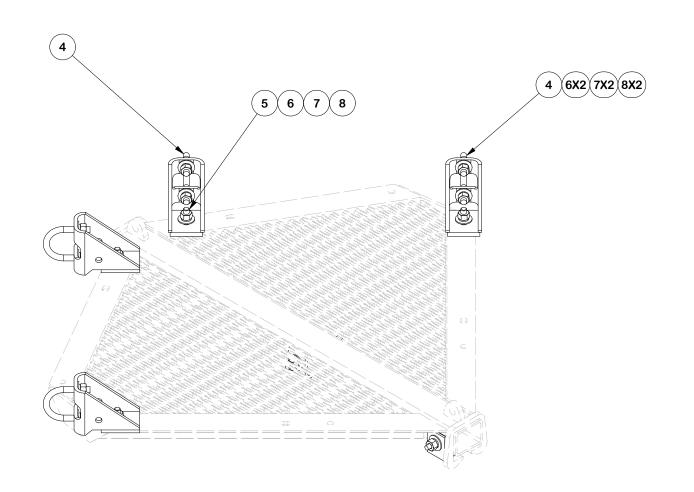
OF 12

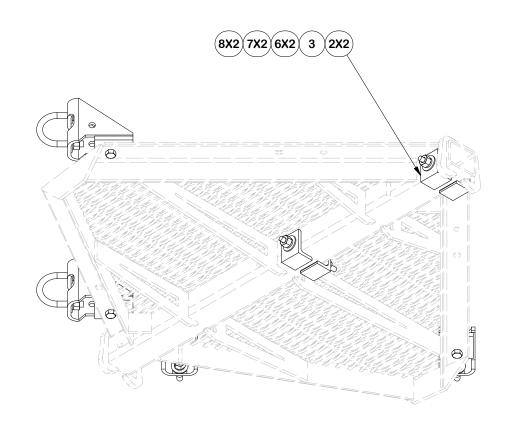
7 0.11_0.100_m2_1 (_ 0.000 )						
PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS						
PROPRIETARY NOTE:						
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT						
INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF						
VALMONT INDUSTRIES IS STRICTLY PROHIBITED.						

ENG. APPROVAL CPD NO. DRAWN BY 1/8/2025 SP1 ADB 1/14/2025 DRAWING USAGE CLASS SUB CHECKED BY 87 02 **CUSTOMER JET** 1/14/2025

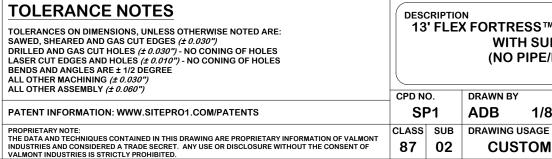
PART NO. **FCWHW** DWG. NO. FX3P12-NPNH

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





#### REPRESENTATION VIEW FOR **4-SIDED FORTRESS**



13' FLEX FORTRESS™ TRI-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** 1/14/2025 DWG. NO. 1/14/2025 FX3P12-NPNH