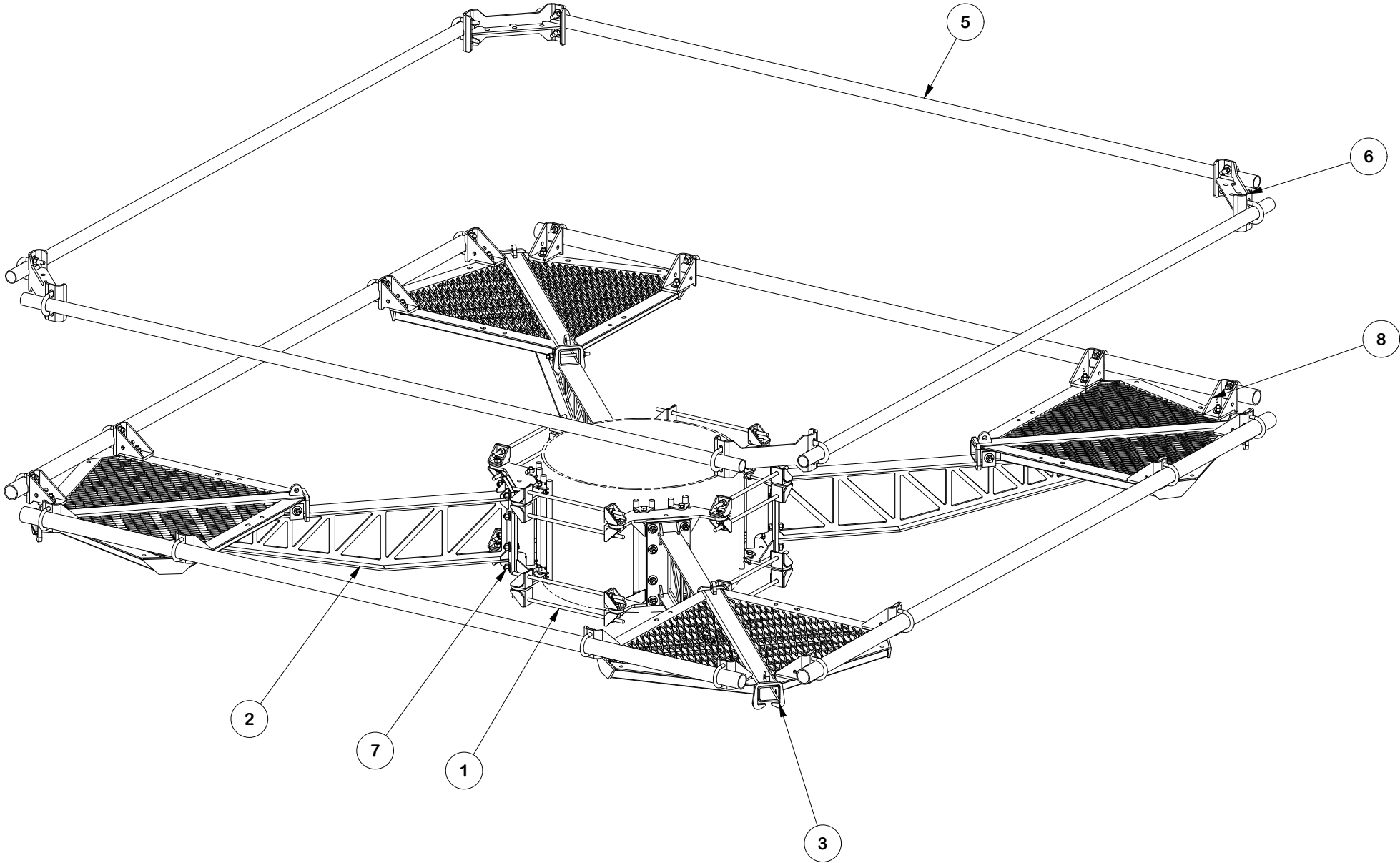


PARTS LIST								
ITEM	QTY	PART NO.	BOX NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.	
1	1	FLX4-HD		FLEXIBLE RING MOUNT 4-SIDED HEAVY DUTY ASSEMBLY		504.00	504.00	
2	4	X-LPP-SA12		SIDE ARM WELDMENT FOR 12' LOW PROFILE PLATFORMS		119.21	476.84	
3	4	X-LPP-CW		LOW PROFILE PLATFORM CORNER WELDMENT		198.75	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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DESCRIPTION  
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT  
WITH SUPPORT RAIL  
(NO PIPE/HARDWARE)

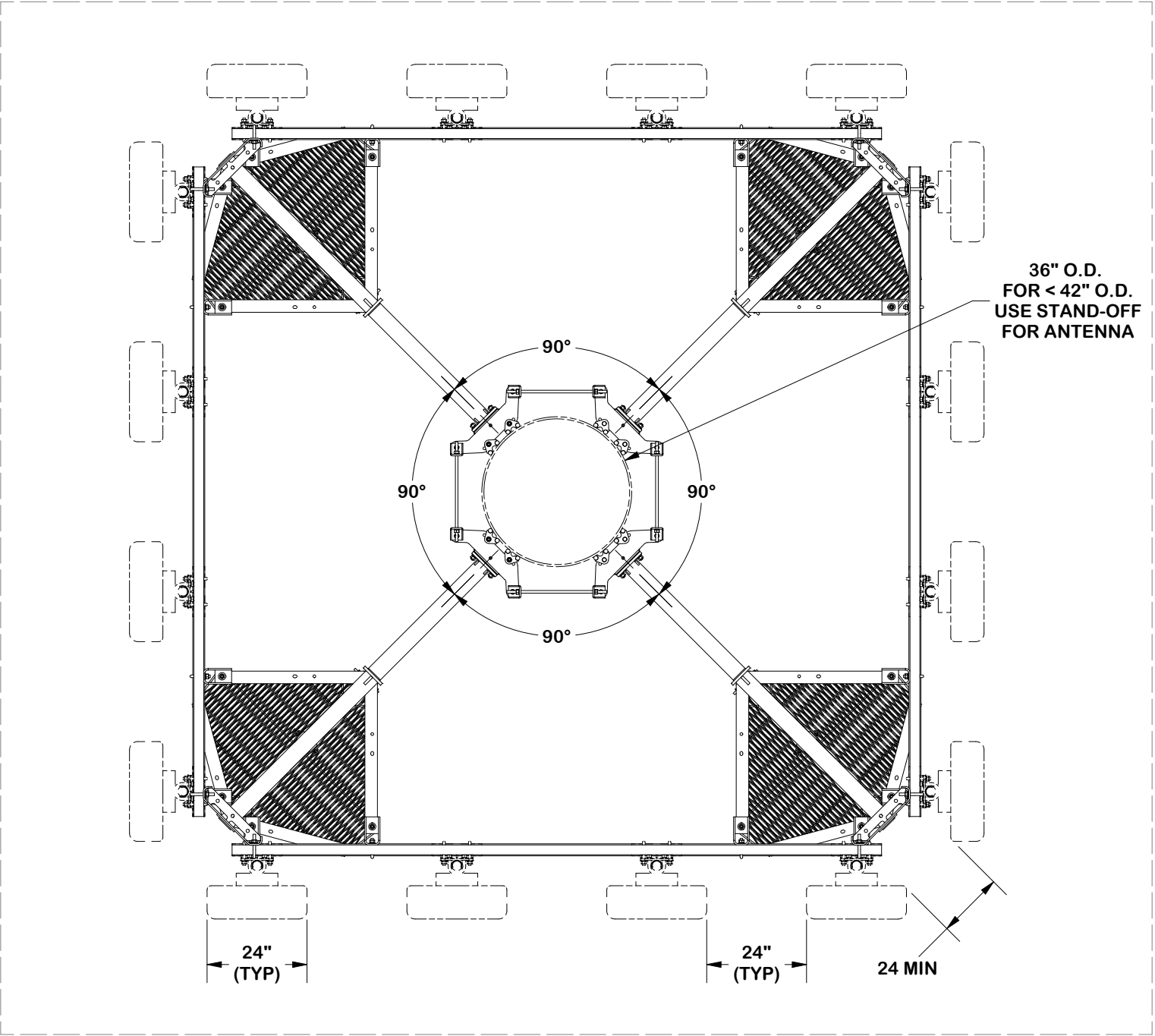
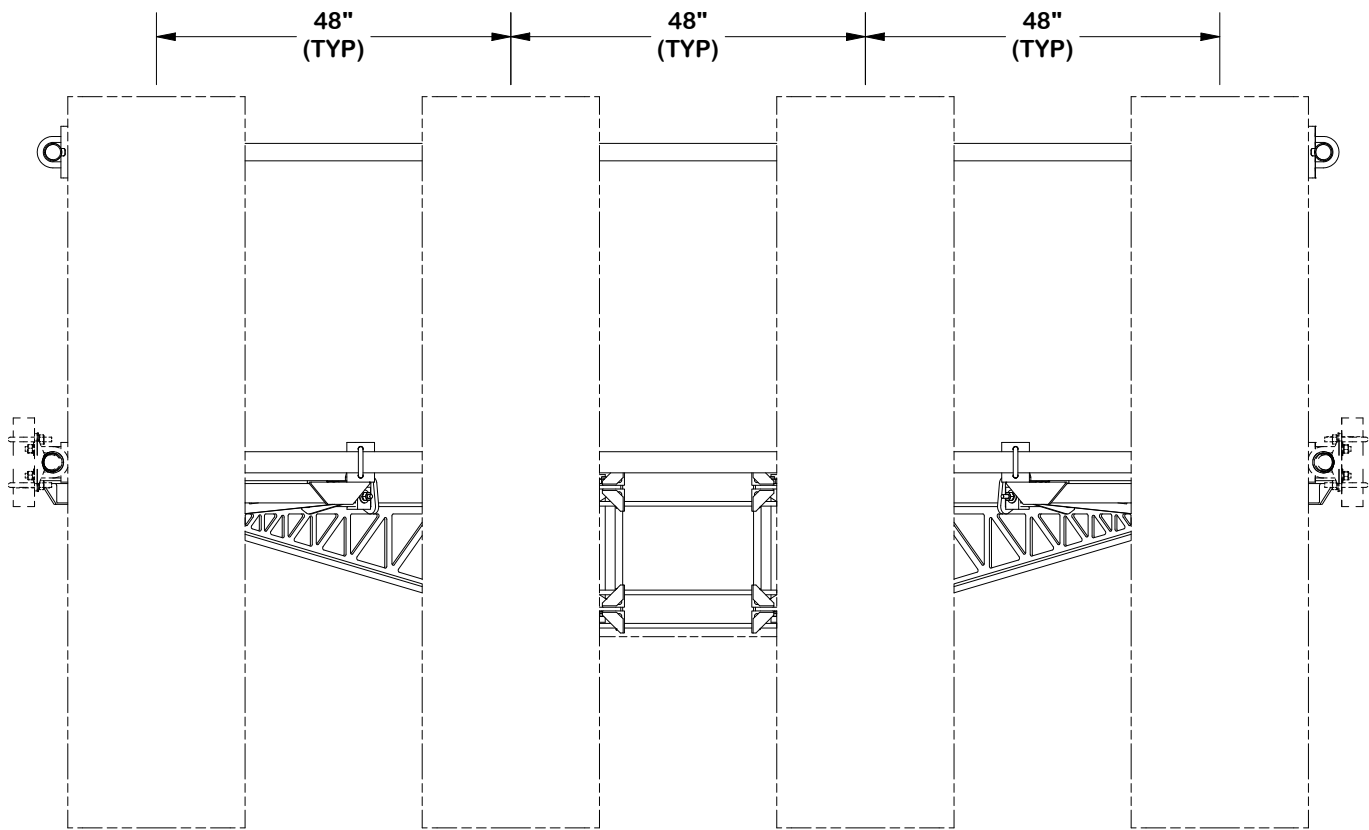
CPD NO. SP1		DRAWN BY ADB 1/8/2025		ENG. APPROVAL 1/17/2025	
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER		CHECKED BY JET	1/17/2025



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Support Team:  
sp1engineering@valmont.com

PART NO. FX4P12-NPNH	1 OF 12 PAGE
DWG. NO. FX4P12-NPNH	

4 ANTENNA FORTRESS LAYOUT



SEPARATION GUIDELINE

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
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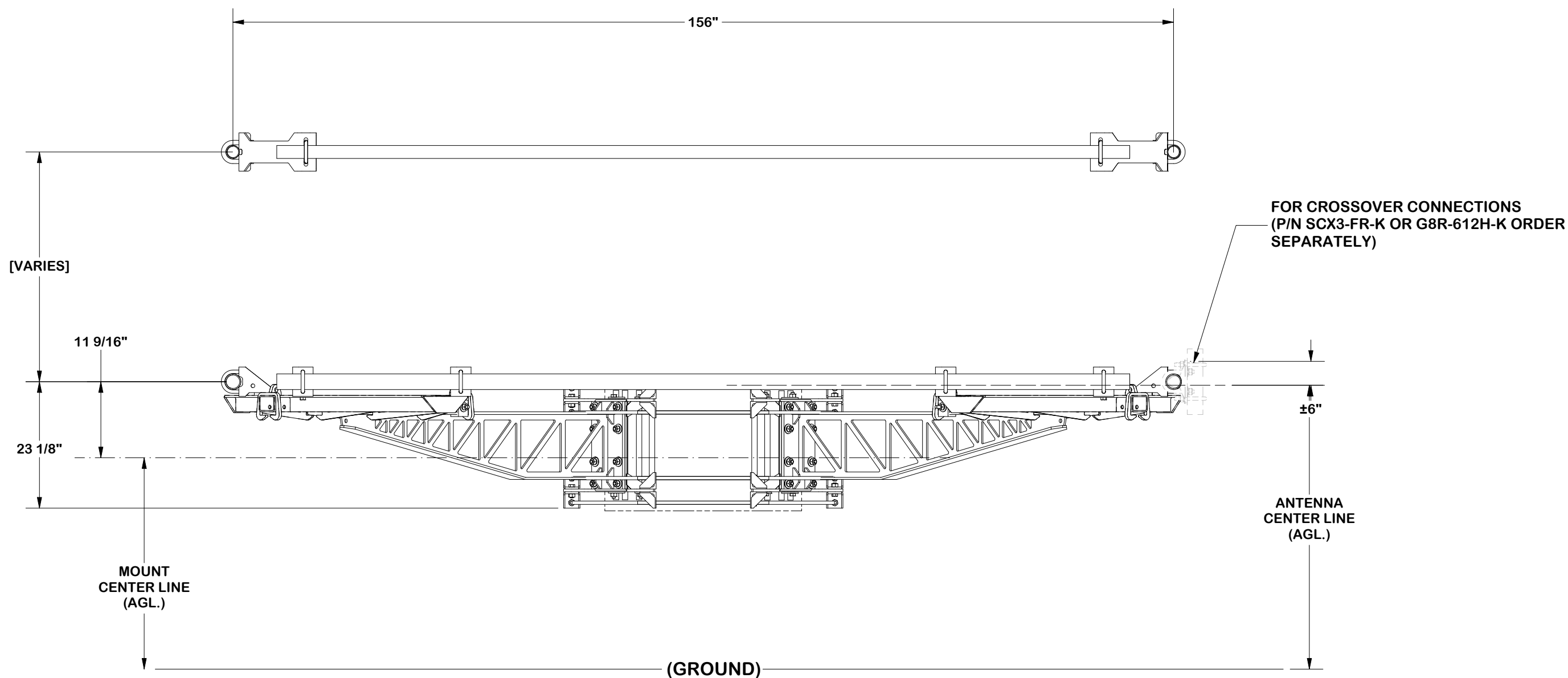
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WITH SUPPORT RAIL  
(NO PIPE/HARDWARE)

CPD NO. SP1		DRAWN BY ADB 1/8/2025		ENG. APPROVAL 1/17/2025	
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER		CHECKED BY JET	1/17/2025



Engineering  
Support Team:  
sp1engineering@valmont.com

PART NO.	FX4P12-NPNH
DWG. NO.	FX4P12-NPNH



## MOUNTING GUIDELINE

### TOLERANCE NOTES

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CLASS 87	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY JET 1/17/2025

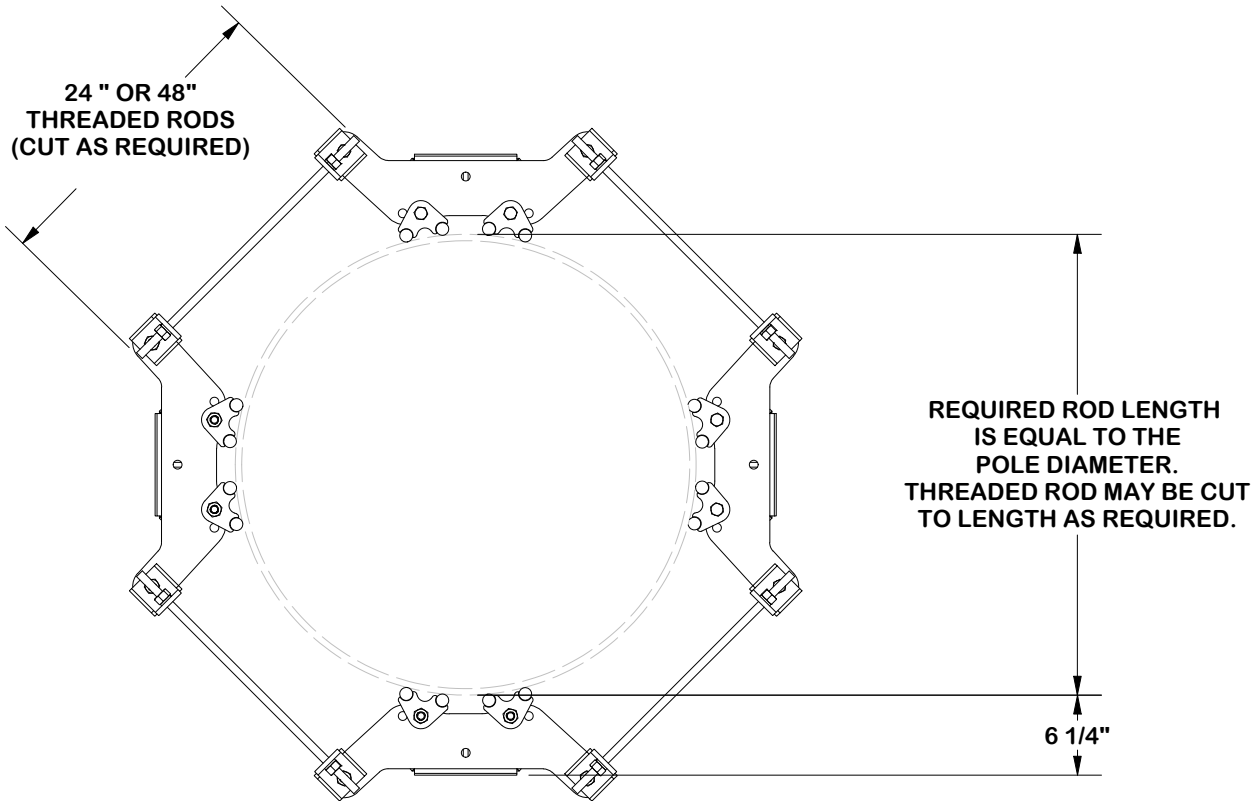


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Support Team:  
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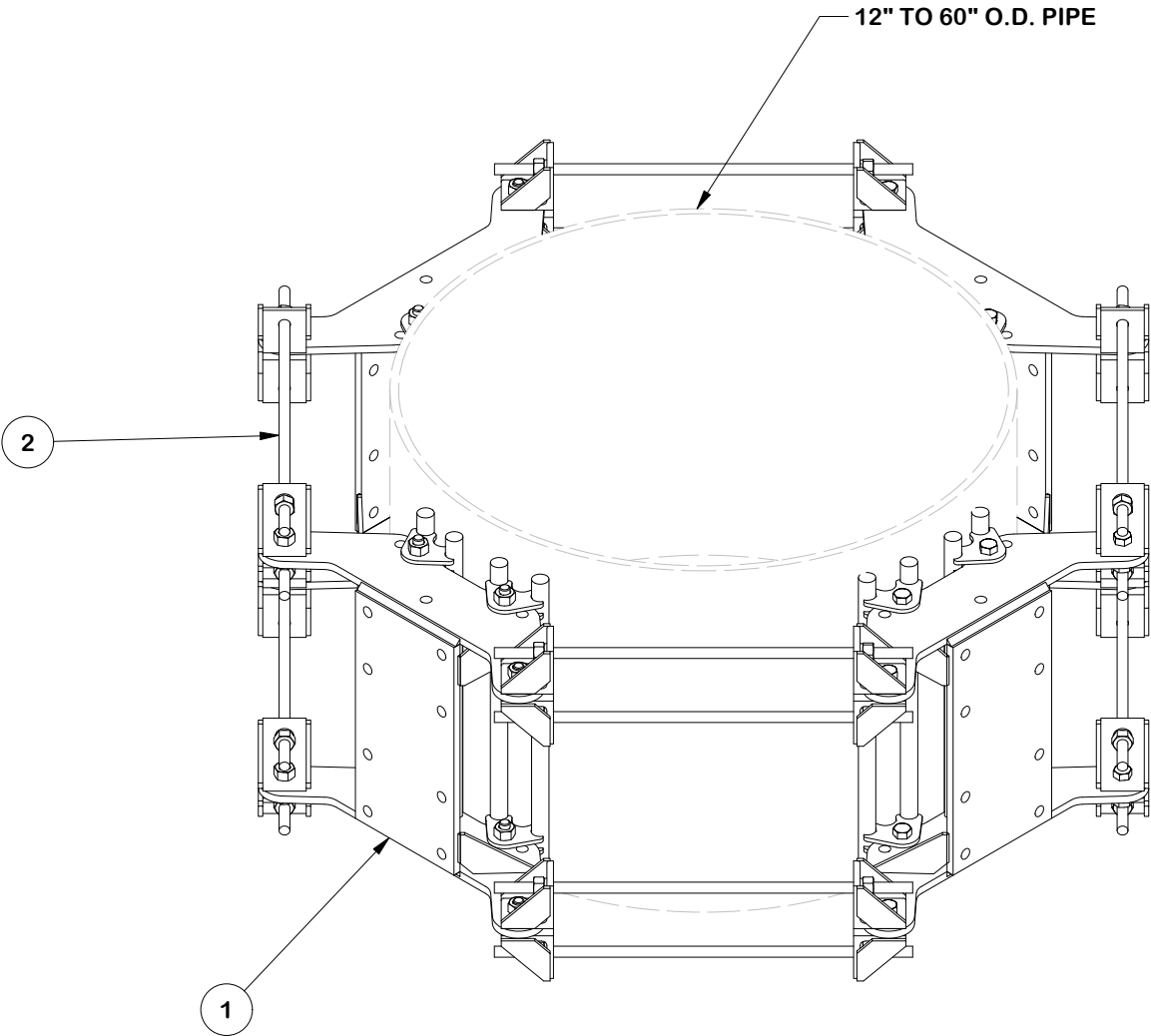
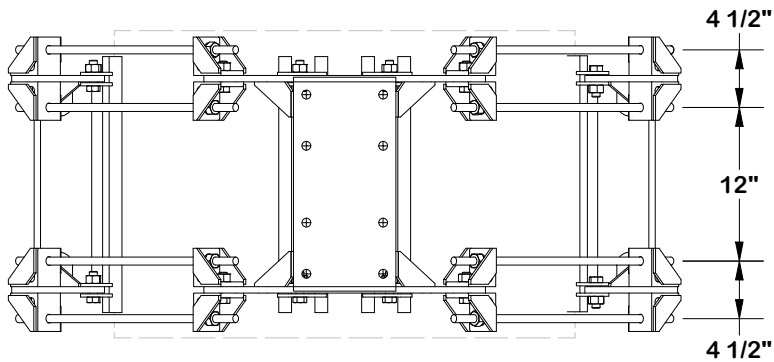
PART NO. FX4P12-NPNH
DWG. NO. FX4P12-NPNH

HEAVY STAMP  
PART NUMBER

PARTS LIST						
ITEM	QTY	PART NO.	BOX NO.	PART DESCRIPTION	UNIT WT.	NET WT.
1	4	FLX-HDSS		FLEXIBLE RING MOUNT HEAVY-DUTY SINGLE SECTOR ASSEMBLY	98.32	393.30
2	4	HDRM-HW		FLEXIBLE RING MOUNT HARWARE KIT	27.68	110.70
					TOTAL WT. #	504.00



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



FINISH:  
HOT DIP GALVANIZED.

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
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CLASS 87	SUB 02	DRAWING USAGE CUSTOMER		CHECKED BY JET	1/17/2025

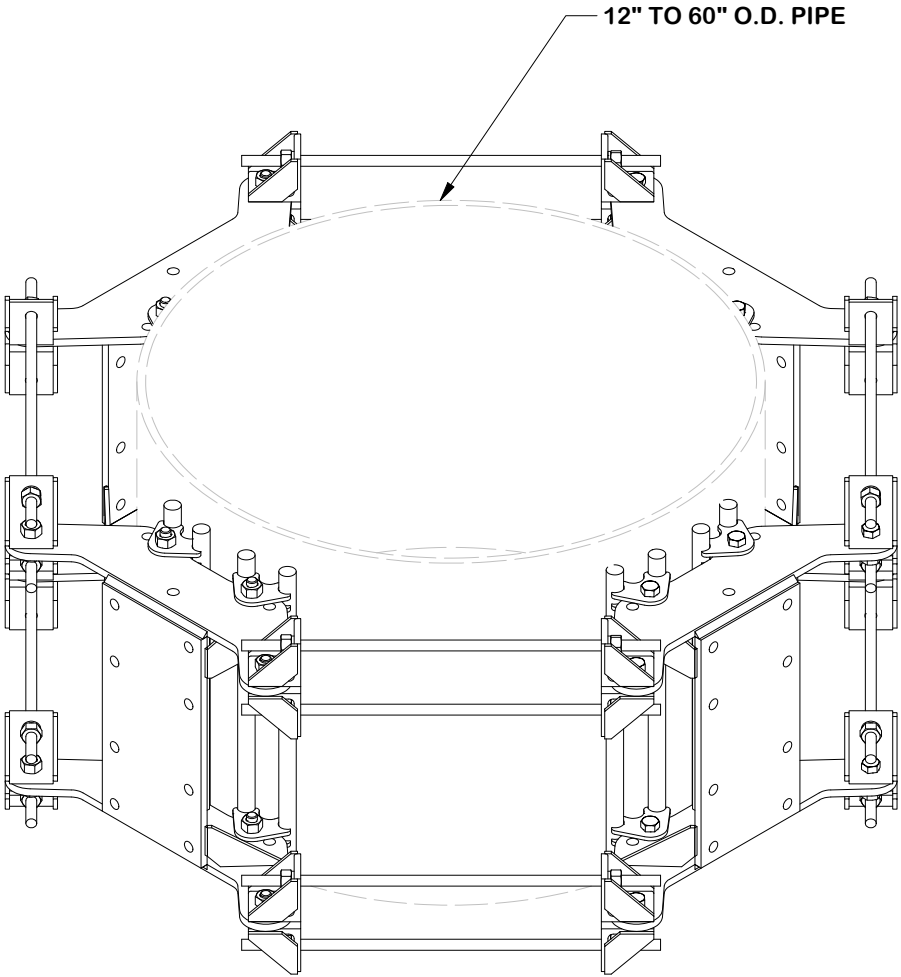
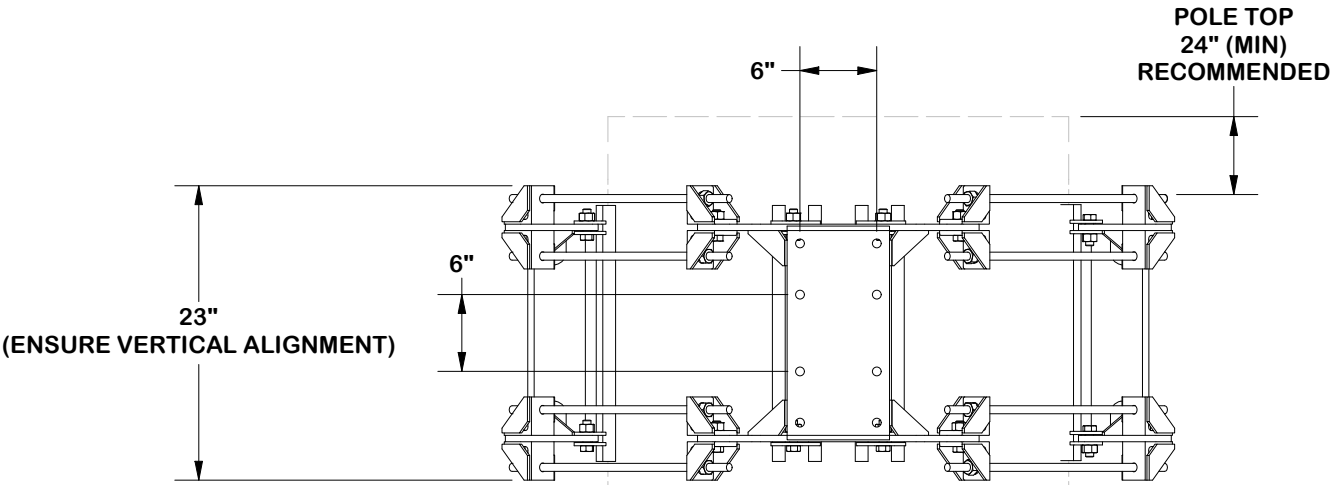
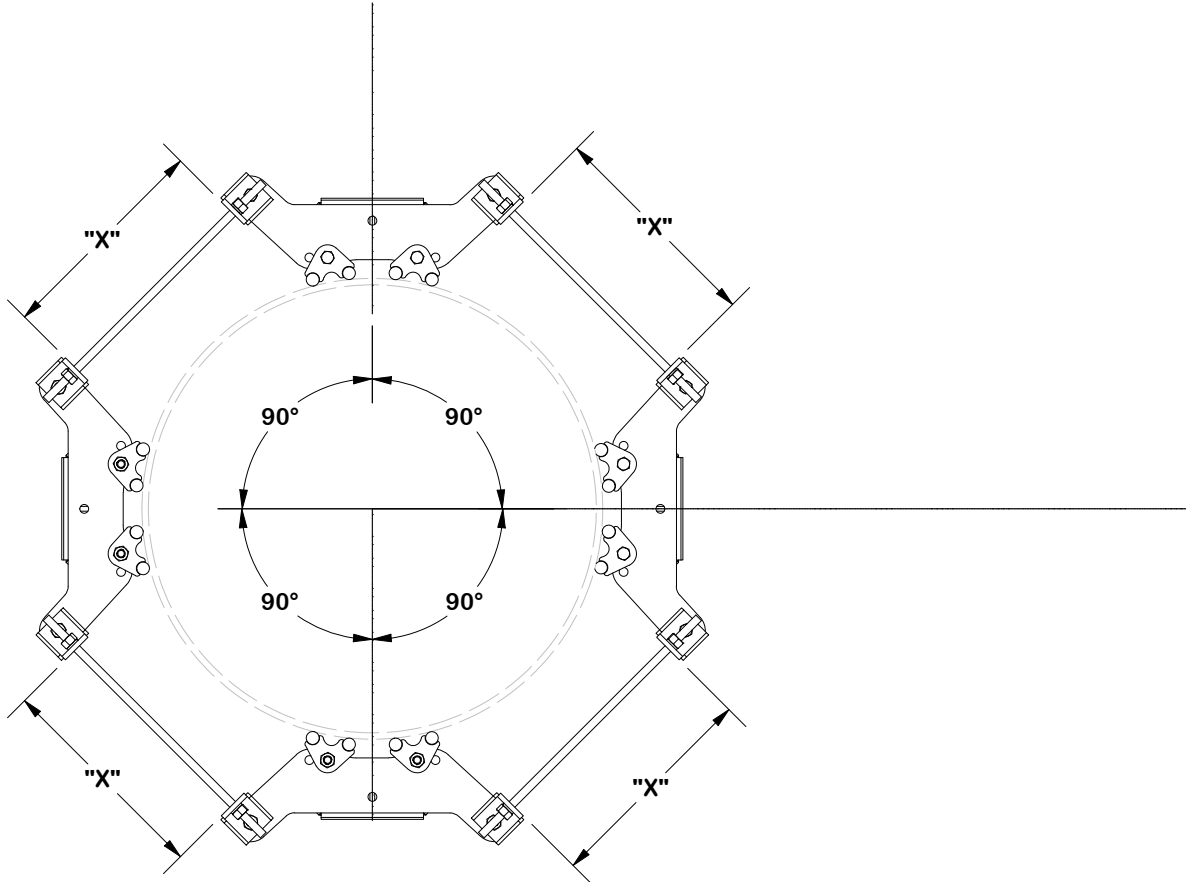


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Support Team:  
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PART NO. FLX4-HD	4 OF 12 PAGE
DWG. NO. FX4P12-NPNH	

NOTE:  
ENSURE EQUAL DISTANCE  
BETWEEN BRACKETS "X"  
AND AT 120° APART



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
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DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
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CLASS 87	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY JET 1/17/2025

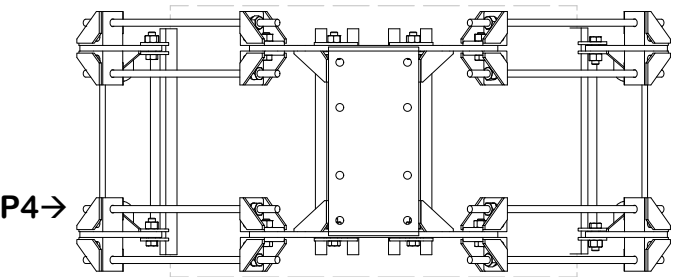
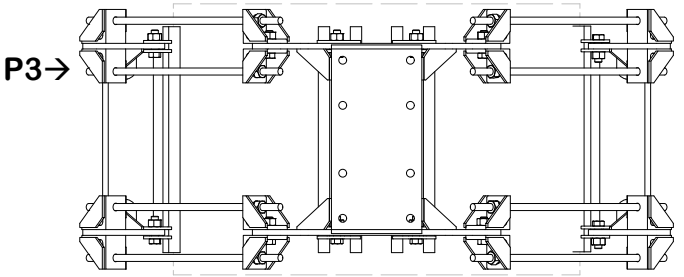
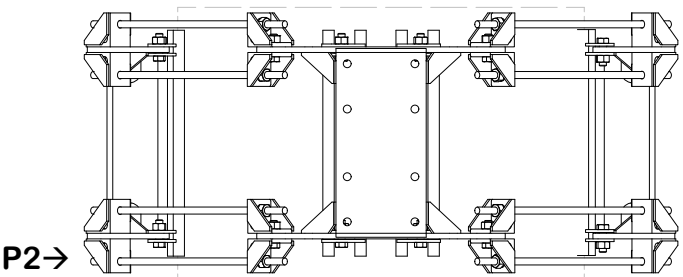
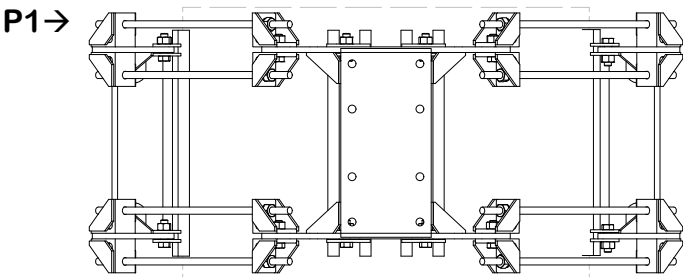


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Support Team:  
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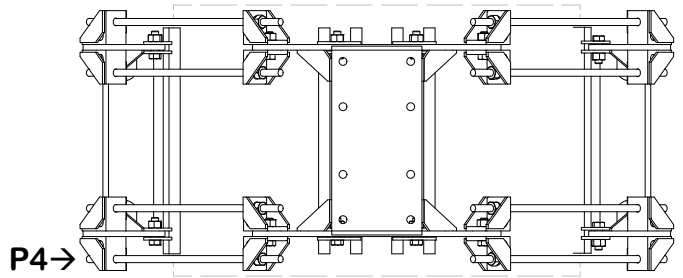
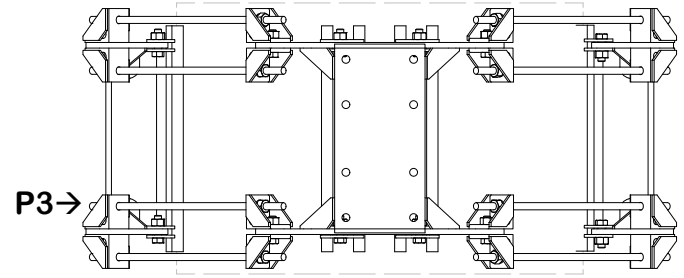
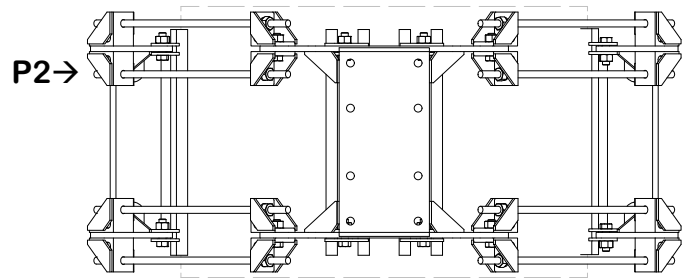
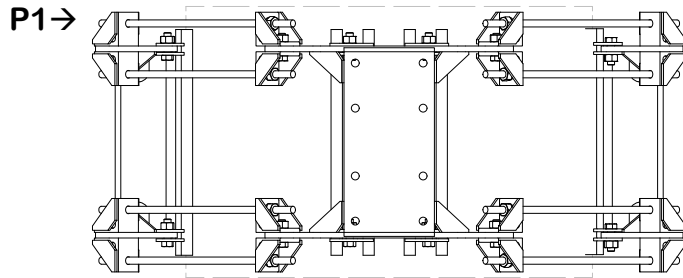
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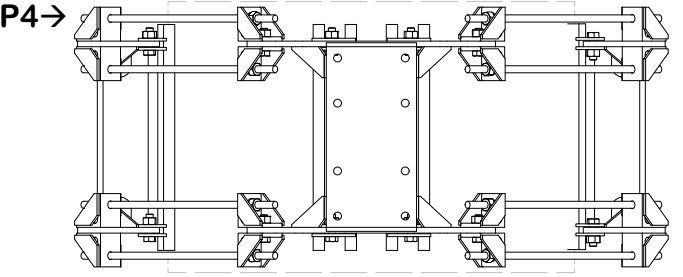
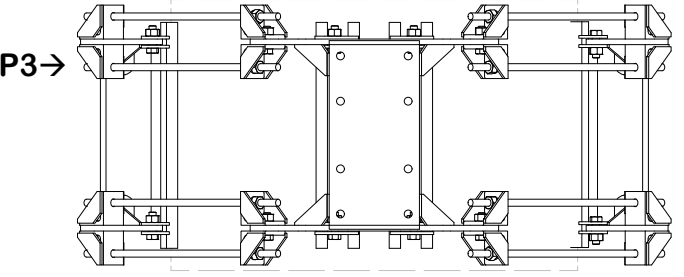
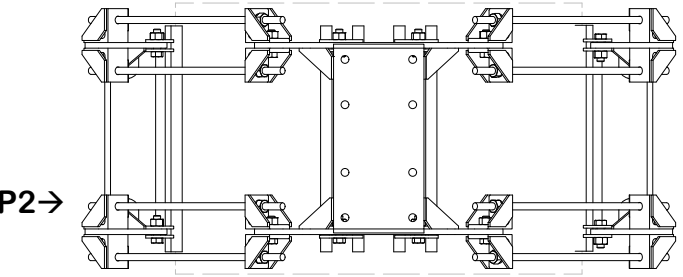
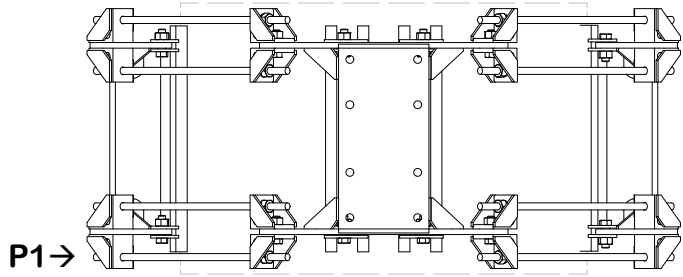
INSTALL ORDER



INITIAL TIGHTENING



FINAL TIGHTENING



TOLERANCE NOTES

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SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
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ALL OTHER ASSEMBLY ( $\pm 0.060"$ )

PATENT INFORMATION: [WWW.SITEPRO1.COM/PATENTS](http://WWW.SITEPRO1.COM/PATENTS)

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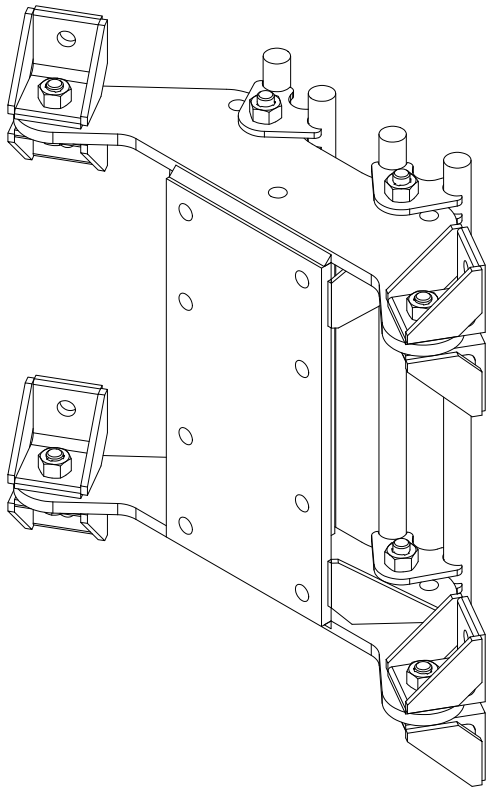
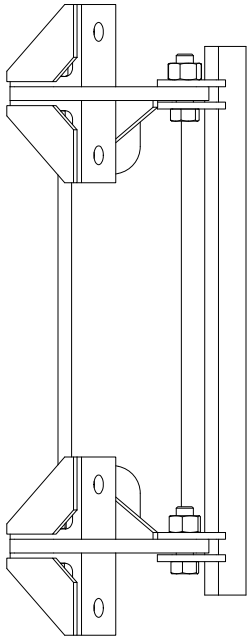
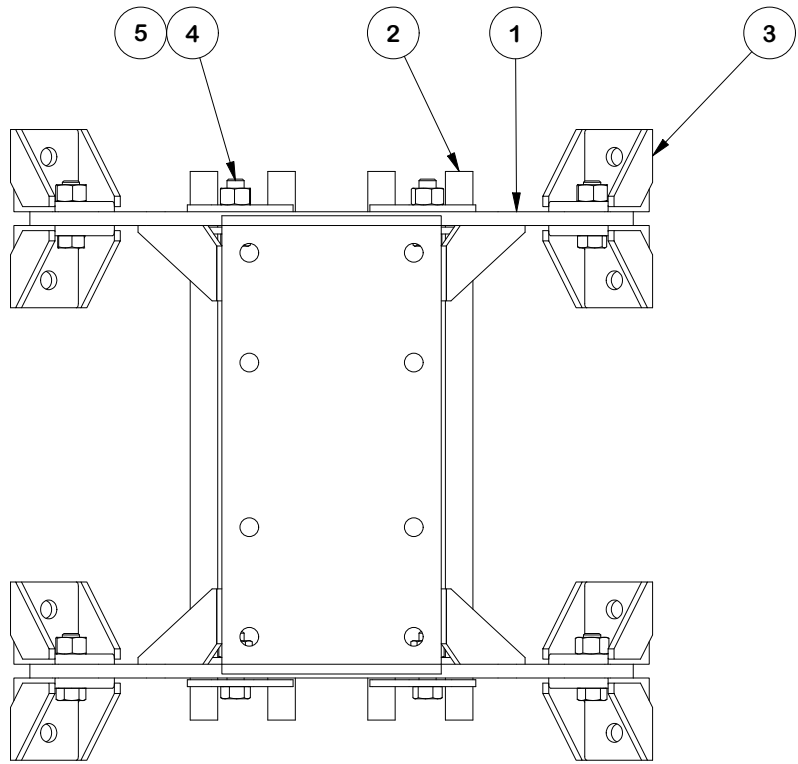
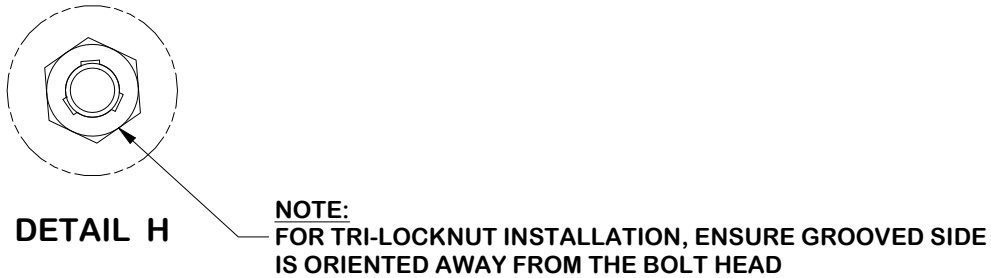
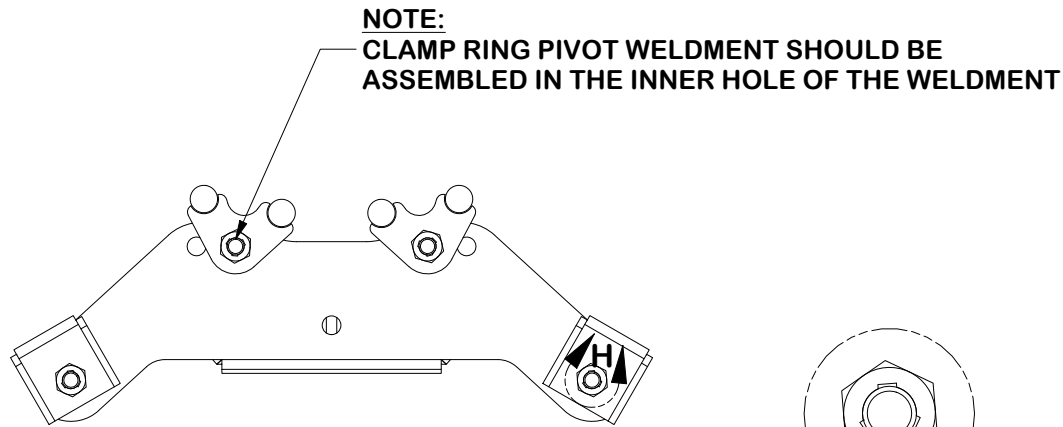
DESCRIPTION  
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT  
WITH SUPPORT RAIL  
(NO PIPE/HARDWARE)

CPD NO. SP1		DRAWN BY ADB 1/8/2025	ENG. APPROVAL 1/17/2025
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY JET 1/17/2025



Engineering  
Support Team:  
[sp1engineering@valmont.com](mailto:sp1engineering@valmont.com)

PART NO. FLX4-HD	PAGE 6 OF 12
DWG. NO. FX4P12-NPNH	



PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.	NET WT.
1	1	X-CR-HDW	HEAVY FLEXIBLE RING MOUNT	55.25	55.25
2	2	X-CR-PW20	20" CLAMP RING PIVOT WELDMENT	11.12	22.25
3	8	X-CR-AGW	ANGLE ON WELDMENT	2.20	17.57
4	8	G5802	5/8" x 2" HDG HEX BOLT GR5	0.27	2.16
5	8	G58TRI-LNUT	5/8" HDG HEAVY 2H TRI-LOCK NUT	0.14	1.10
TOTAL WT. #					98.32

**FINISH:**  
HOT DIP GALVANIZED.

**TOLERANCE NOTES**

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PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

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DESCRIPTION  
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT  
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CPD NO. SP1		DRAWN BY ADB 1/8/2025		ENG. APPROVAL 1/17/2025	
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER		CHECKED BY JET	1/17/2025

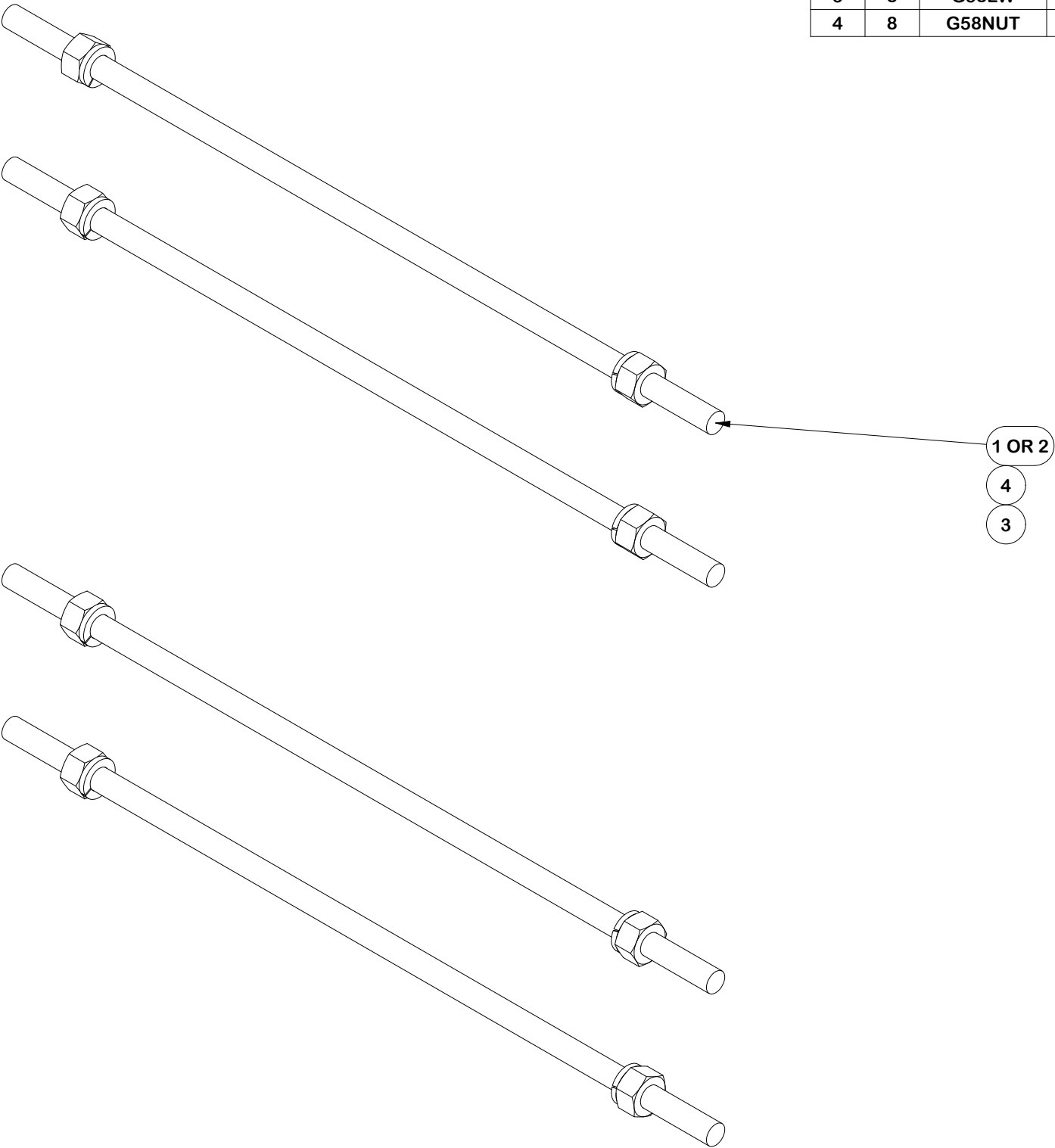


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Support Team:  
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PART NO. FLX-HDSS	7 OF 12 PAGE
DWG. NO. FX4P12-NPNH	

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

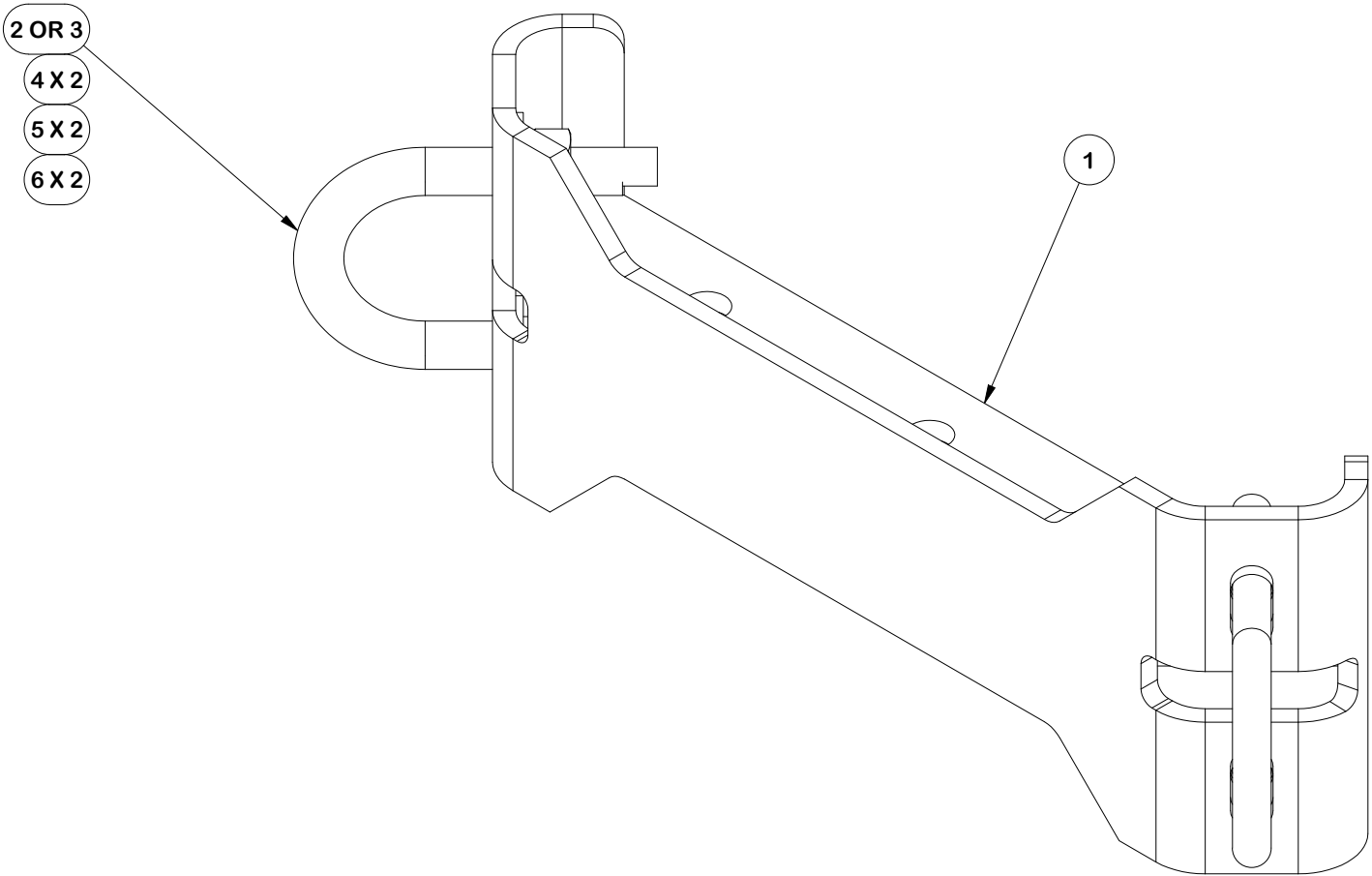


FINISH:  
HOT DIP GALVANIZED.

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	PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS			CPD NO. <b>SP1</b>	DRAWN BY <b>ADB</b>	ENG. APPROVAL <b>1/17/2025</b>	PART NO. <b>HDRM-HW</b>	8 OF 12 PAGE
	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 <b>87</b>	SUB <b>02</b>	DRAWING USAGE <b>CUSTOMER</b>	CHECKED BY <b>JET</b>	
						<b>1/17/2025</b>	DWG. NO. <b>FX4P12-NPNH</b>	



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

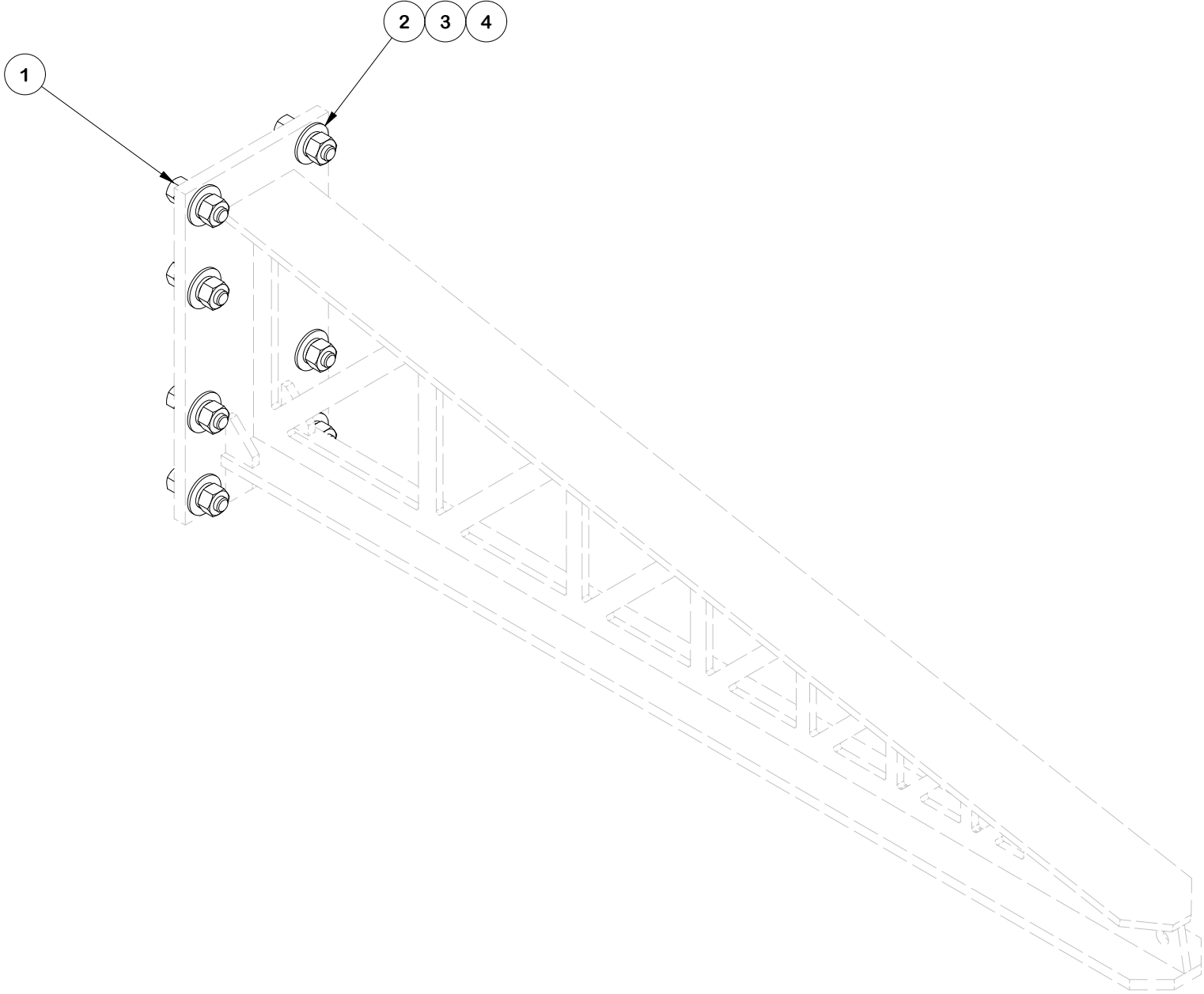


FINISH:  
HOT DIP GALVANIZED.

	<div>TOLERANCE NOTES</div> <div>TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES (<math>\pm 0.030''</math>) DRILLED AND GAS CUT HOLES (<math>\pm 0.030''</math>) - NO CONING OF HOLES LASER CUT EDGES AND HOLES (<math>\pm 0.010''</math>) - NO CONING OF HOLES BENDS AND ANGLES ARE <math>\pm 1/2</math> DEGREE ALL OTHER MACHINING (<math>\pm 0.030''</math>) ALL OTHER ASSEMBLY (<math>\pm 0.060''</math>)</div>				<div>DESCRIPTION</div> <div>13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT WITH SUPPORT RAIL (NO PIPE/HARDWARE)</div>				<div><div><div>SITE PRO1</div><div>A valmont COMPANY</div></div><div>Engineering Support Team: sp1engineering@valmont.com</div></div>			
	<div>PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS</div>				<div>CPD NO.</div> <div>SP1</div>		<div>DRAWN BY</div> <div>ADB1/8/2025</div>		<div>ENG. APPROVAL</div> <div>1/17/2025</div>		<div>PART NO.</div> <div>F4HR</div>	
	<div>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.</div>				<div>CLASS</div> <div>87</div>		<div>SUB</div> <div>02</div>		<div>DRAWING USAGE</div> <div>CUSTOMER</div>		<div>CHECKED BY</div> <div>JET1/17/2025</div>	
											<div>DWG. NO.</div> <div>FX4P12-NPNH</div>	

PAGE  
9 OF 12

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



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 ( $\pm 0.060''$ )

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)

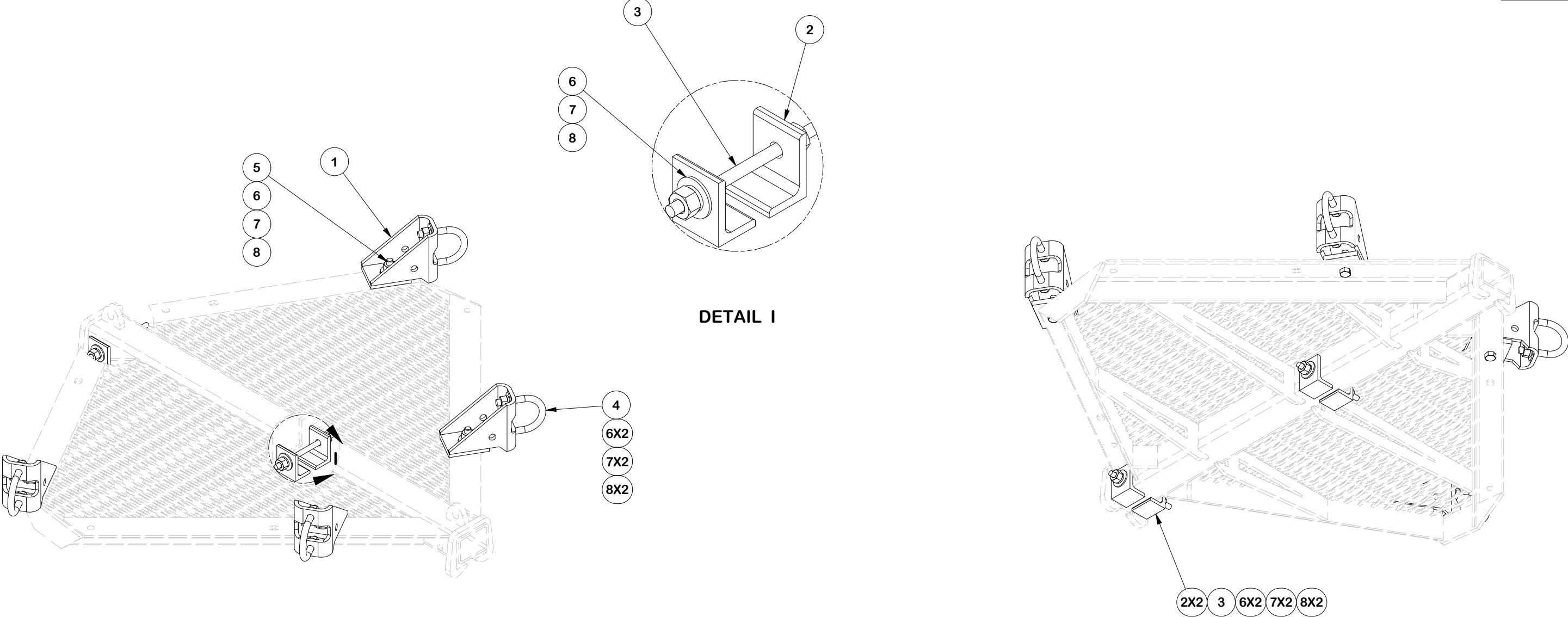
CPD NO. SP1		DRAWN BY ADB 1/8/2025	ENG. APPROVAL 1/17/2025
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY JET 1/17/2025



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

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 ( $\pm 0.030"$ )  
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  
13' FLEX FORTRESS™ QUAD-PLATFORM MOUNT  
WITH SUPPORT RAIL  
(NO PIPE/HARDWARE)

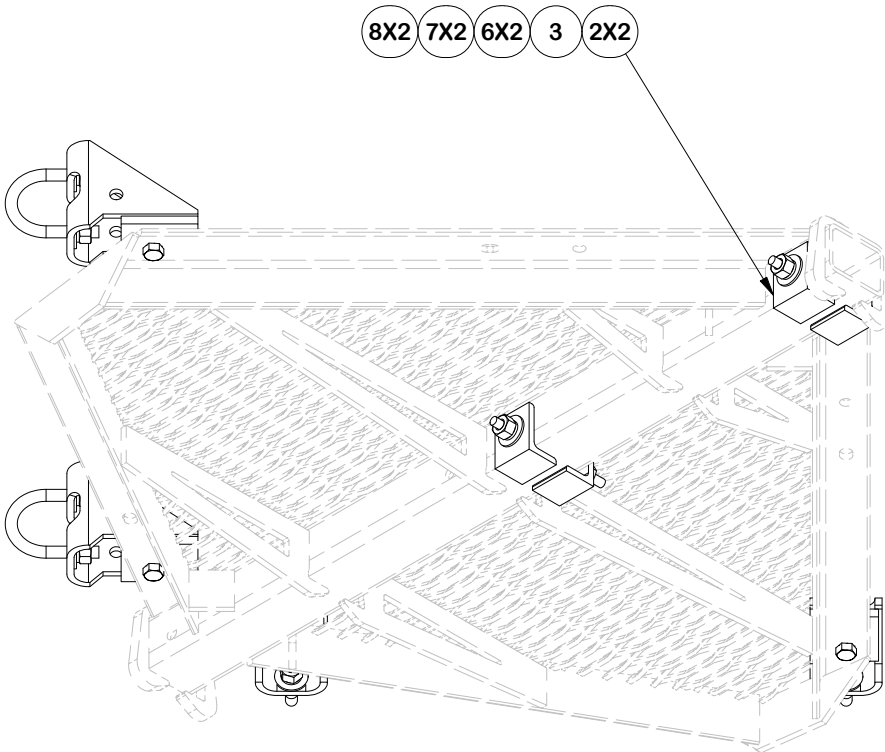
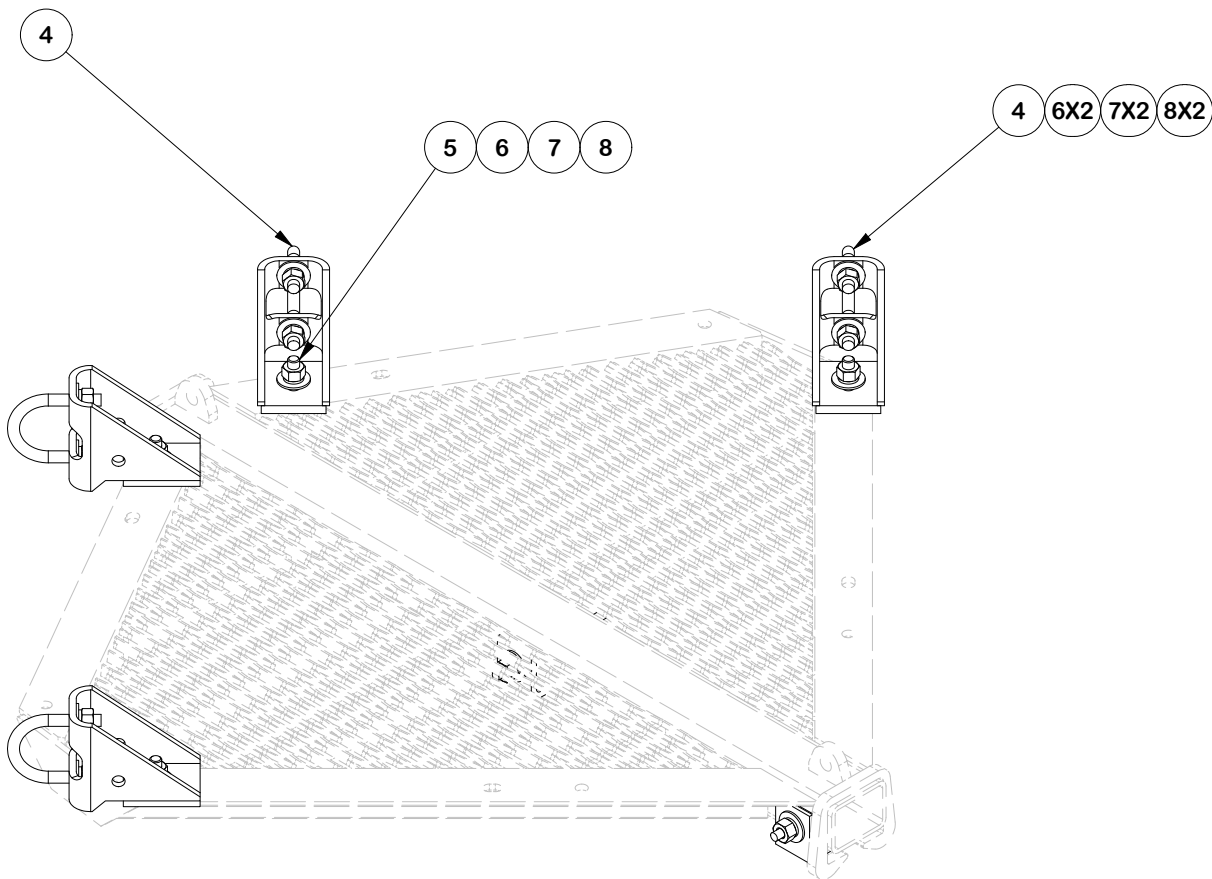
CPD NO. SP1		DRAWN BY ADB 1/8/2025	ENG. APPROVAL 1/17/2025
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY JET 1/17/2025



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PART NO. FCWHW	PAGE 11 OF 12
DWG. NO. FX4P12-NPNH	

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



REPRESENTATION VIEW FOR  
4-SIDED FORTRESS

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 ( $\pm 0.060"$ )

PATENT INFORMATION: WWW.SITEPRO1.COM/PATENTS

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

CPD NO. SP1		DRAWN BY ADB 1/8/2025		ENG. APPROVAL 1/17/2025	
CLASS 87	SUB 02	DRAWING USAGE CUSTOMER		CHECKED BY JET 1/17/2025	



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PART NO. FCWHW	
DWG. NO. FX4P12-NPNH	