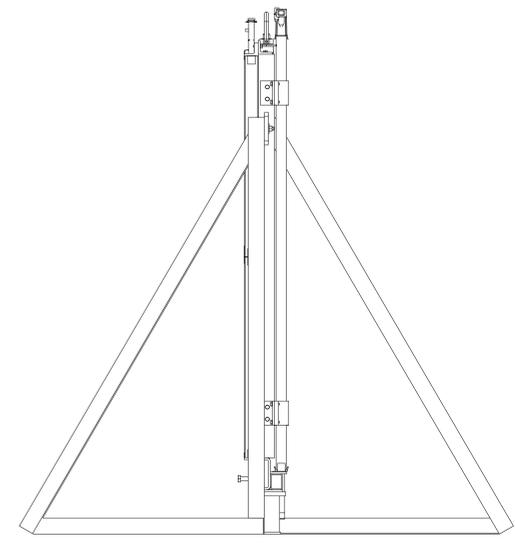
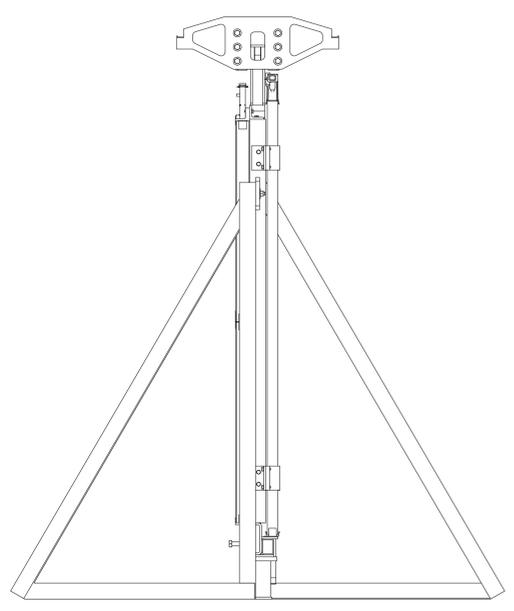


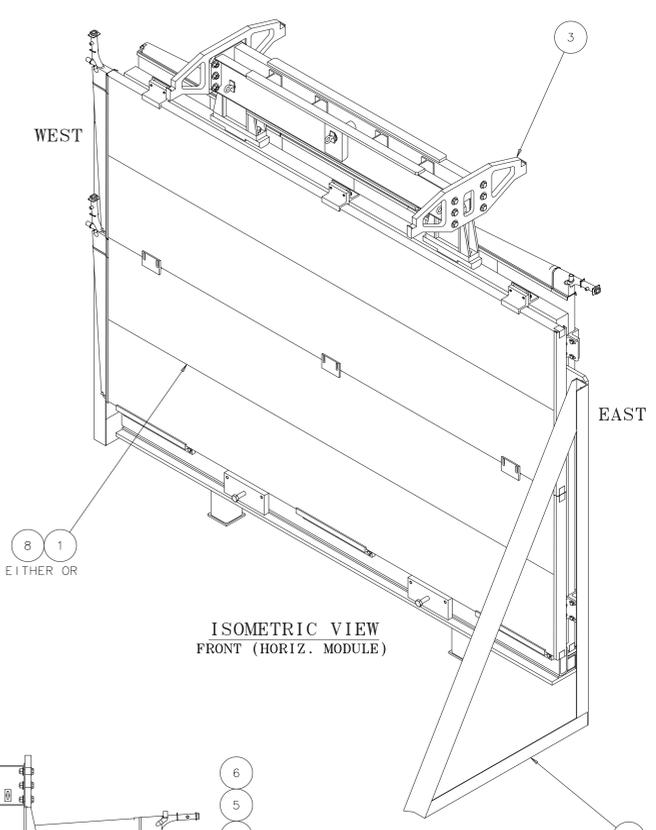
1ST : HORIZONTAL MODULE TO BE MOUNTED WHILE MUON CATCHER IS LAYED FLAT BY USING ALUM. CLIPS.
2ND : RAISE MUON CATCHER TO VERTICAL USING THE 10K SWIVEL HOIST RING.



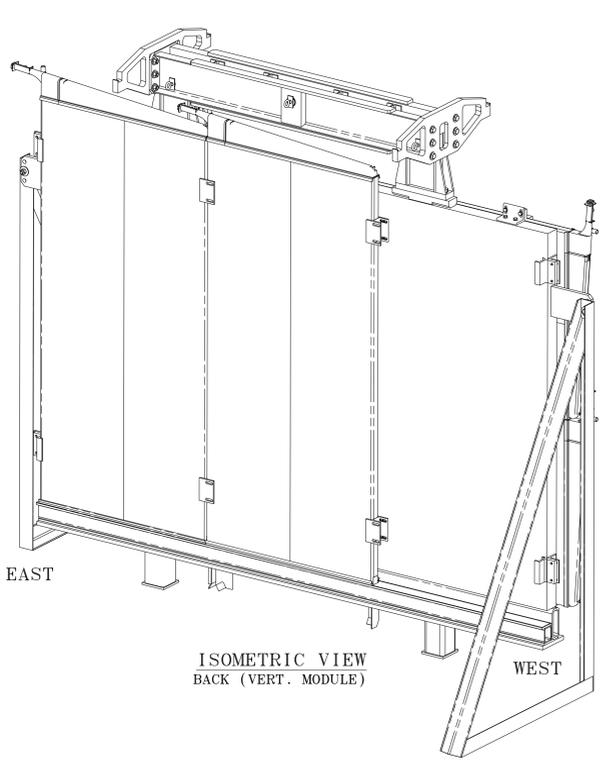
3RD : WHILE CONNECTED TO CRANE HOOK, BOLT STEADY REST.
4TH : MOUNT VERTICAL MODULES, REMOVE CRANE HOOK AND 10K SWIVEL HOIST RING.



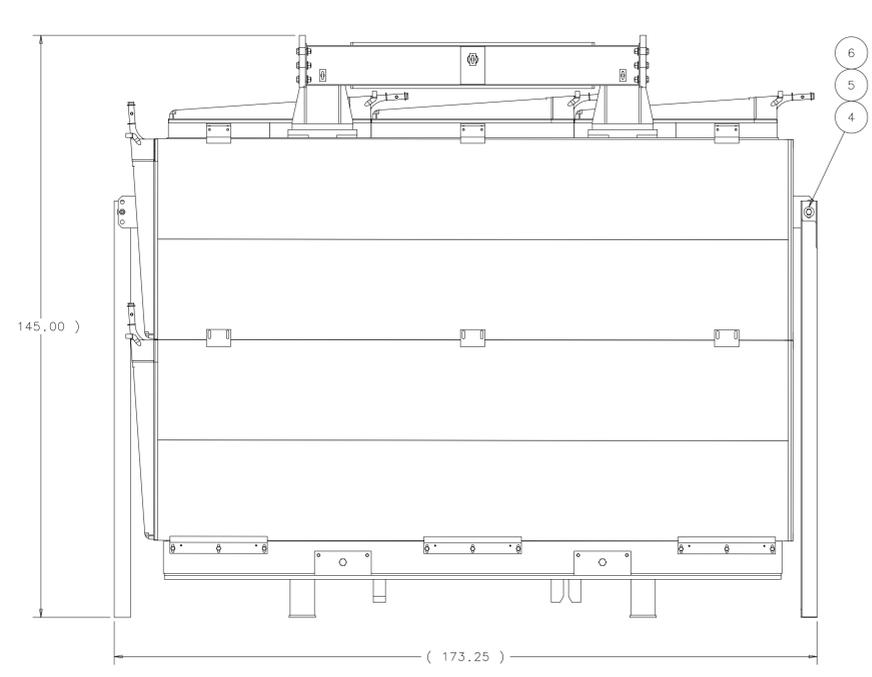
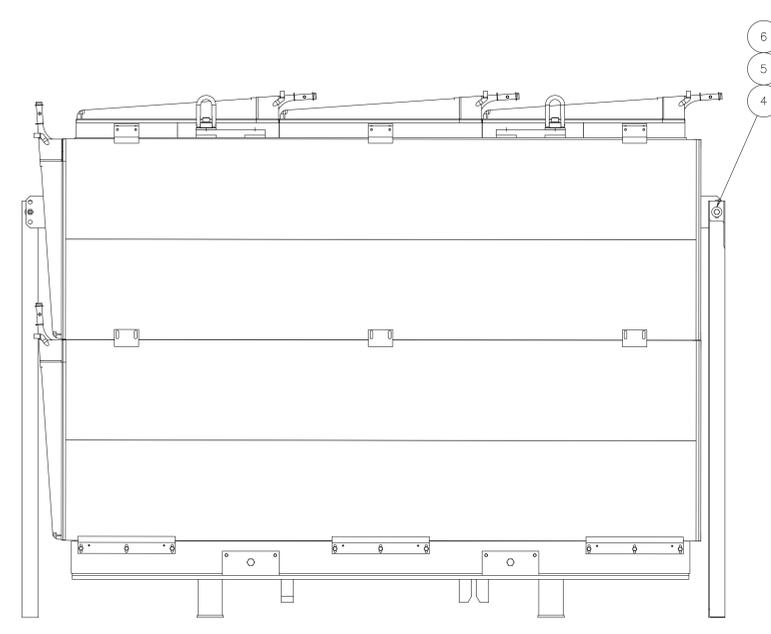
5TH : MOUNT 15 TON SPREADER BAR.



ISOMETRIC VIEW FRONT (HORIZ. MODULE)



ISOMETRIC VIEW BACK (VERT. MODULE)



WEIGHT = 20,900 LBS

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
8	ME-493592	ND 3 X 2 SPL MUON CATCHER MODULE ASSEMBLY	1
7	COML	SWIVEL HOIST RING 10K (RELOCATE FROM ME-493458 ITEM 8)	2
6	COML	FLAT WASHER - STEEL 1/2" SCREW SIZE	4
5	COML	HEX NUT - STEEL 3/4-10 UNC-2B GRADE 8	2
4	COML	HEX HD. SCREW - STEEL 3/4-10 UNC-2A X 2.75 LG.-GRADE 8	2
3	MD-493457	SPREADER BAR 15 TON ASSEMBLY	1
2	MD-493760	MC TRANSPORTER STEADY REST WELDMENT	2
1	ME-493588	ND 3 X 2 MUON CATCHER MODULE ASSEMBLY	1

PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	E.VILLEGAS	10-JUL-2013
.XX	.XXX	ANGLES	DRAWN G.SMITH 10-JUL-2013
± .06 ± --- ± ---	CHECKED	D.FRIEND	12-JUL-2013
1. BREAK ALL SHARP EDGES TO 1/8" MAX.	APPROVED	E.VILLEGAS	12-JUL-2013
2. DO NOT SCALE DRAWING.	USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994	MATERIAL	SEE PARTS LIST ABOVE	
4. MAX. ALL WASH. SURFACES			
5. DRAWING UNITS: U.S. INCH			

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FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NOVA-NEAR_DETECTOR
ND 3 X 2 MUON CATCHER MODULE
W/ STEADY REST LAYOUT

SCALE	DRAWING NUMBER	SHEET	REV
1:16	3929.330-ME-493843	1 OF 1	

CREATED WITH: Ideos12NXSeries | GROUP: PPD/MECHANICAL DEPARTMENT