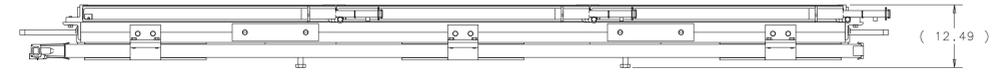
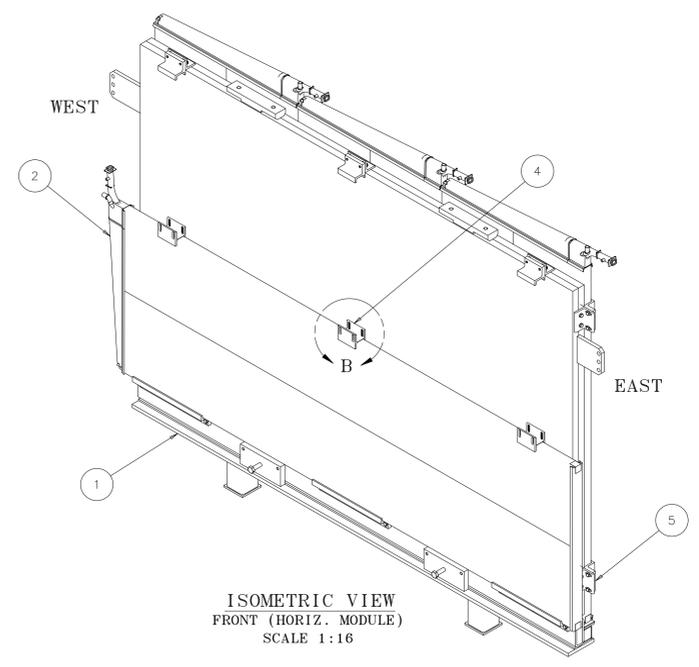
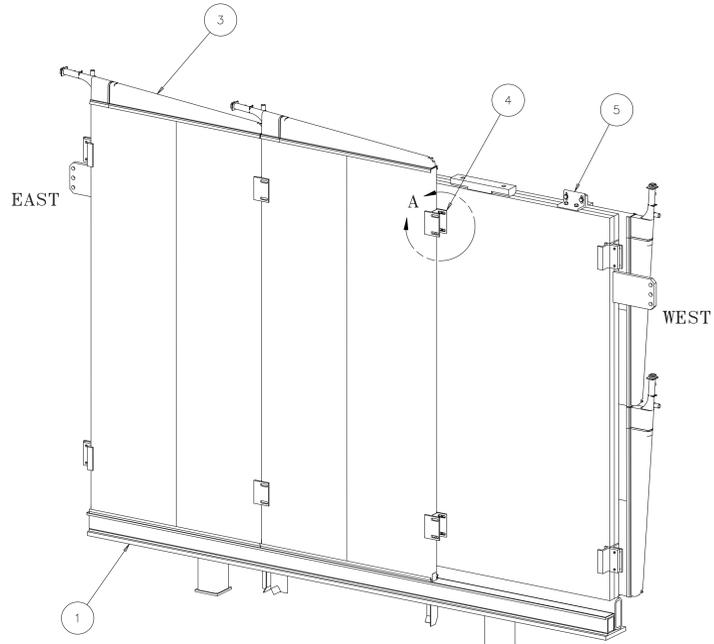
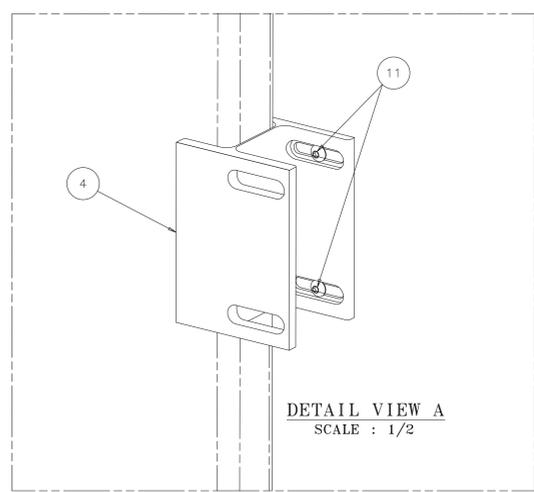
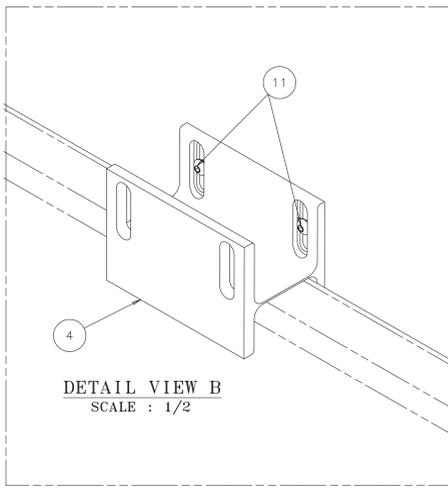
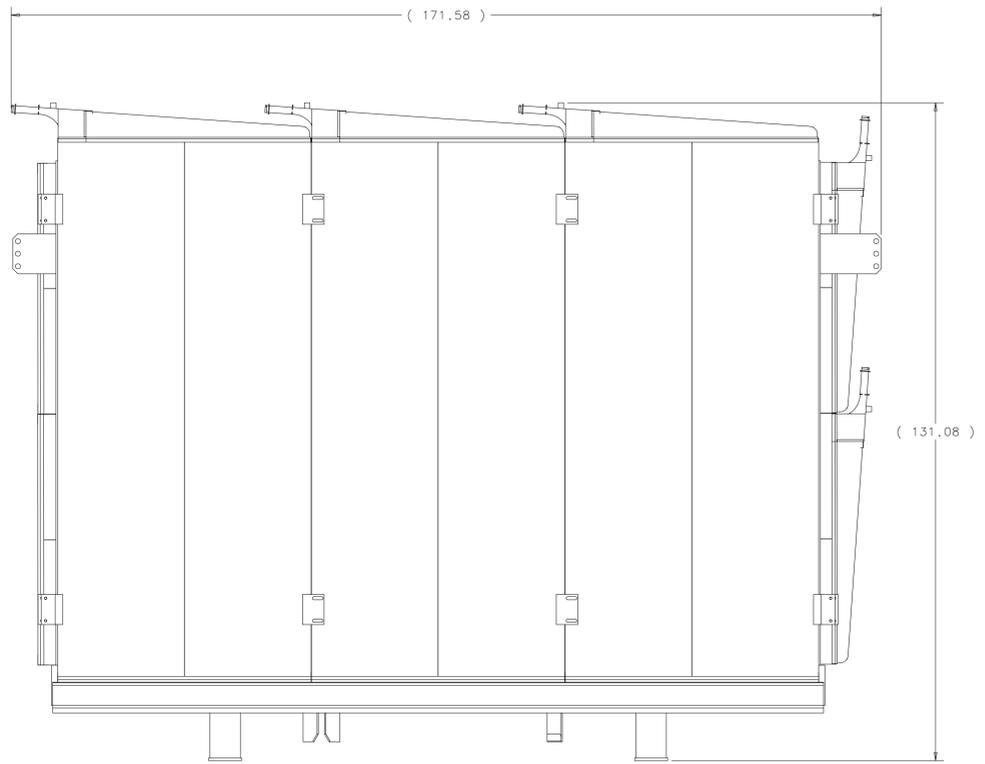
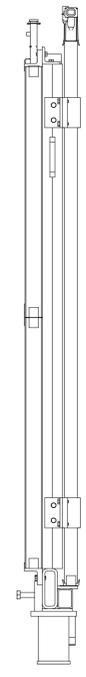
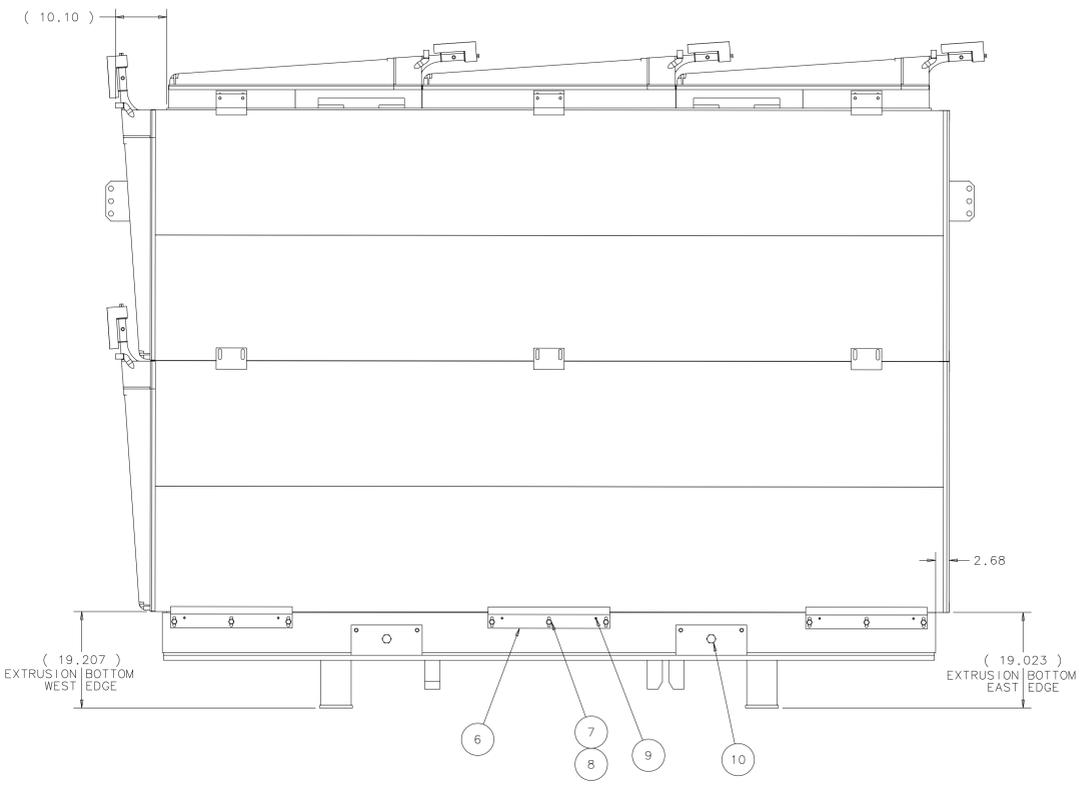


REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE



- NOTES:
- (1) VERTICAL AND (1) HORIZONTAL 32 CELL EXTRUSION REMOVED IN ISOMETRIC VIEWS FOR CLAIRITY.
 - REUSE CLIPS (ITEM #4,5,& 6) & BOLTING (ITEMS #7 THRU #11) FROM EXISTING NDOS MUON CATCHER (REF DWGS ME-466857 & ME-466858).
 - USE ANTI-SIEZE LUBRICANT ON ALL BOLTING MATERIALS.



WEIGHT = 19,700 LBS

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
11	COML	BUTTON HD. SCREW 5/16-18 UNC-2A X 5/8 LG. ALLOY STEEL-(FULL THREAD)	14
10	COML	HEX HD. SCREW - STEEL 1*-8 UNC-2A X 3.50 LG.-GRADE 8	2
9	COML	ROLL PIN - STEEL Ø3/8 X .50 LG.	6
8	COML	FLAT WASHER - STEEL 1/2" SCREW SIZE	9
7	COML	HEX HD. SCREW - STEEL 1/2-13 UNC-2A X 1.75 LG.-GRADE 8	9
6	MC-466836	CLIP BOTTOM VERTICAL	3
5	MB-466835	CLIP OUTER ASSY	7
4	MB-466831	CLIP INNER	7
3	MD-493607	ND MC 32 CELL X 108 MODULE ASSY	3
2	ME-493042	32 CELL X 157 ND MODULE ASSY	2
1	ME-493351	ND MC SPL 3 X 2 WELDMENT	1

PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	E.VILLEGAS	28-MAR-2013
.XX .XXX	DRAWN	G.SMITH	28-MAR-2013
± .06 ± --- ± ---	CHECKED	D.FRIEND	19-APR-2013
1. BREAK ALL SHARP EDGES TO 0.015 MAX.	APPROVED	E.VILLEGAS	25-APR-2013
2. DO NOT SCALE DRAWING.	USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994	MATERIAL	SEE PARTS LIST ABOVE	
4. MAX. ALL MACH. 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 SPL MUON CATCHER MODULE
ASSEMBLY

SCALE	DRAWING NUMBER	SHEET	REV
3:32 & AS NOTED	3929.330-ME-493592	1 OF 1	

CREATED WITH: Ideos12NXSeries | GROUP: PPD/MECHANICAL DEPARTMENT