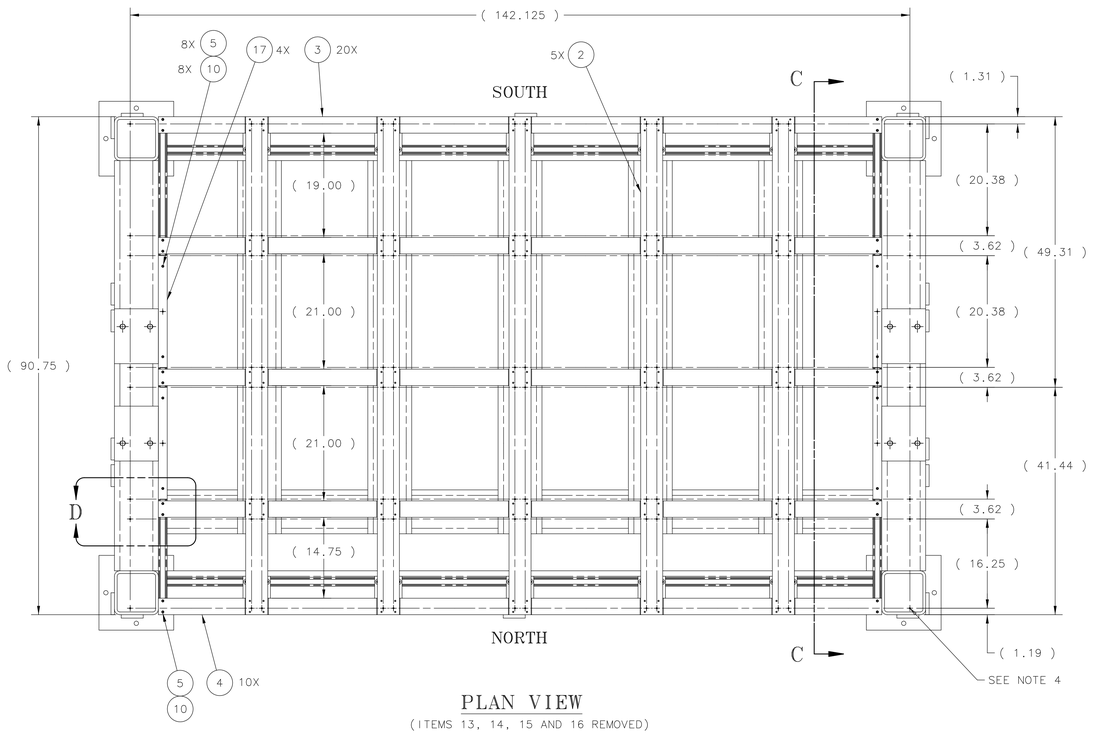
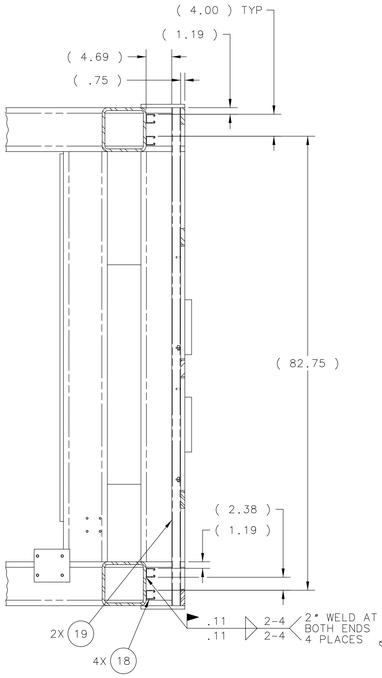
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE

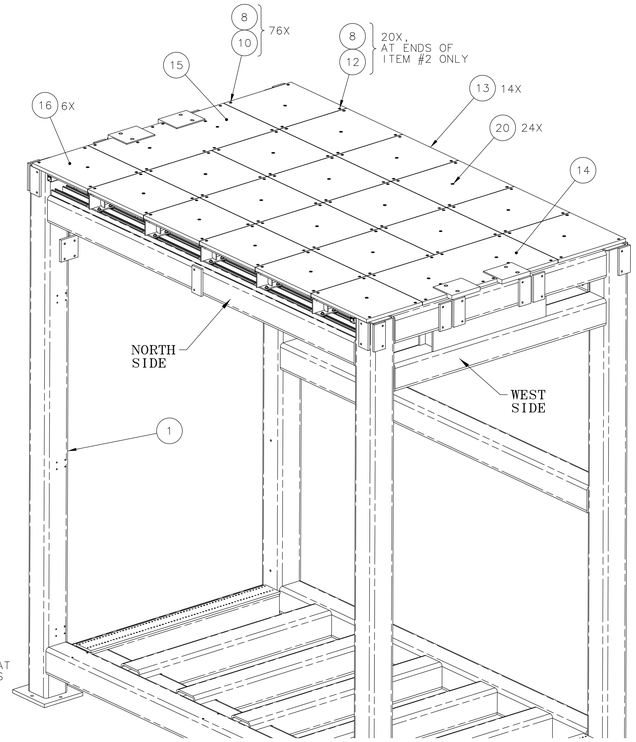


PLAN VIEW

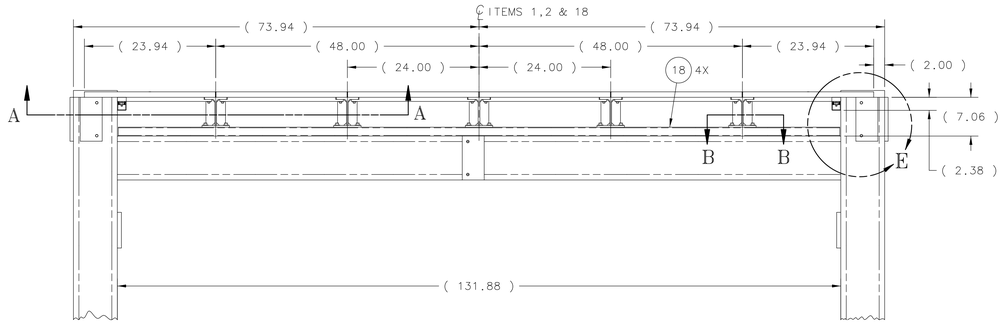
(ITEMS 13, 14, 15 AND 16 REMOVED)

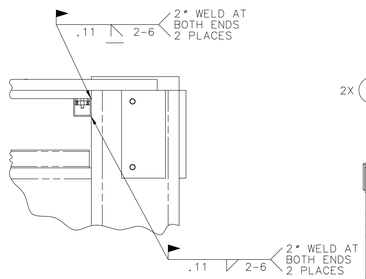


SECTION C-C



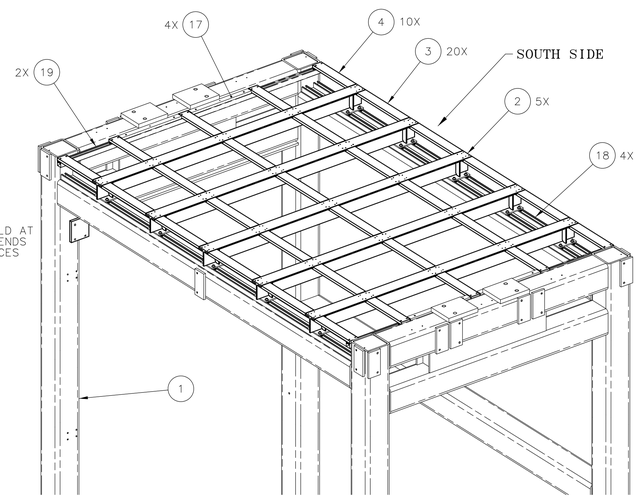
ISOMETRIC VIEW





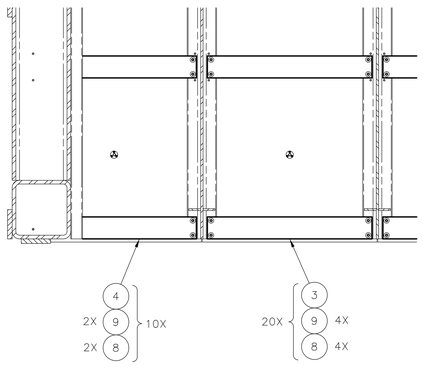
DETAIL E

SCALE: 3/16



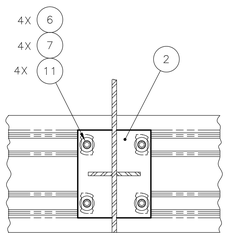
ISOMETRIC VIEW

(ITEMS 13, 14, 15 AND 16 REMOVED)



SECTION A-A

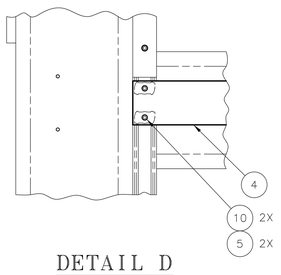
SCALE 1/8



SECTION B-B

TYPICAL 10 PLACES

SCALE 1/4



DETAIL D

TYPICAL 10 PLACES

SCALE 1/4

NOTES:

1. THIS DRAWING SERVES AS AN INSTALLATION LAYOUT WITH REFERENCE DIMENSIONS AND MATERIAL LISTS. THE FINAL ASSEMBLY WILL BE BASED ON THE FIELD CONDITIONS AND APPLICATIONS.
2. OTHER MATERIALS AND COMPONENTS REQUIRED FOR INSTALLATION AND ASSEMBLY OF THE DARKROOM TOP INCLUDE BUT ARE NOT LIMITED TO: SEALANTS, SEALING TAPES AND OTHER ACCESSORIAL HARDWARES.
3. ITEMS 18 AND 19 SHALL BE TACK-WELDED IN PLACE WHEN THE DARKROOM TOP ASSY POSITION IS FINALIZED. ITEMS 18 AND 19 ARE THEN TO BE WELDED PER DWG AS SHOWN BEFORE FINAL INSTALLATION OF THE DARKROOM TOP ASSY.
4. USING DWG ME-444071 AS REFERENCE, TRANSFER THE ACTUAL LOCATIONS OF THE 16 (QTY) 1/4-20UNC-2B TAPPED HOLES FROM THE FINAL INSTALLATION OF THE DARKROOM TOP ASSY, AND TAP HOLES ON THE FRAME (ITEM 1).
5. APPROX WEIGHT: 1,178 LBS

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
20	COML	FLANGE BUTTON HEAD SCREW, ALLOY STL, BLK FINISH,3/8-16UNC-3A x 1.00 LG, McMASTER-CARR #91355A090	24
19	1243-1010	CHANNEL, METAL FRAMING, GRN, B-LINE P/N B22, UNISTRUT P1000, 1-5/8 x 1-5/8 x 90.75" LG	2
18	1243-1020	CHANNEL, METAL FRAMING, GRN, B-LINE P/N B22, UNISTRUT P1000, 1-5/8 x 1-5/8 x 131.50" LG	4
17	MC-444091	BAR BASE TOP DARKROOM ALUM	4
16	MC-444052	TOP PLYWOOD - D WELD NUT	6
15	MC-444051	TOP PLYWOOD - C WELD NUT	1
14	MC-444050	TOP PLYWOOD - B WELD NUT	1
13	MC-444049	TOP PLYWOOD - A WELD NUT	14
12	COML	SCREW, SKT HD CAP, 1/4-20 x 1.00 LG, ALLOY STL, McMASTER-CARR P/N 91251A542	20
11	COML	SCREW, SKT HD CAP 3/8-16 x 1-1/4" LG, ALLOY STL, McMASTER-CARR P/N 91251A626	40
10	COML	SCREW, SKT HD CAP, 1/4-20 x 1-1/4" LG, ALLOY STL, McMASTER-CARR P/N 91251A544	104
9	COML	SCREW, SKT HD CAP, 1/4-20 x .75 LG, ALLOY STL, McMASTER-CARR P/N 91251A540	100
8	COML	WASHER, FLAT, ZINC-PLATED STEEL, STEEL SIZE 1/4, McMASTER-CARR P/N 90126A029	196
7	1218-0660	WASHER, FLAT, TYPE 18-8 S.S., SCREW SIZE 3/8	40
6	1240-1530	TWIRL NUT, TAP SIZE 3/8-16, B-LINE P/N TN224	40
5	1240-1515	TWIRL NUT, TAP SIZE 1/4-20, B-LINE P/N TN224	20
4	MC-444038	PLATE CONT END 15.81 x 3.00 x .75	10
3	MC-444039	PLATE CONT DARKROOM 22.5 x 3.00 x .75	20
2	MD-444042	TEES SUPT DARKROOM TOP WELDMENT	5
1	ME-444071	FRAME SCIBAR EC MODIFIED	REF

PARTS LIST

UNLESS OTHERWISE SPECIFIED		ORIGINATOR	E.CHI 07-JUN-2006
.XX ± .06	.XXX ± - -	ANGLES ± 1°	DRAWN T.SPERRY 08-SEP-2006
			CHECKED J.RAUCH 02-OCT-2006
1. BREAK ALL SHARP EDGES MAX.			APPROVED E.CHI 02-OCT-2006
2. DO NOT SCALE DRAWING.			USED ON
3. DIMENSIONS BASED UPON ASME Y14.5M-1994			
4. MAX. ALL MACH. SURFACES 250			MATERIAL SEE PARTS LIST ABOVE ASTM A36
5. DRAWING UNITS: U.S. INCH			

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SCIBOONE - MECHANICAL DETECTORS DARKROOM TOP EC INSTALLATION

SCALE	DRAWING NUMBER	SHEET	REV
1:2	3954.330-ME-444076	1 OF 1	
CREATED WITH : Ideas12NXSeries		GROUP: PPD/MECHANICAL DEPARTMENT	

NOTICE: IMAGE OBTAINED FROM FERMILAB WEB SITE

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