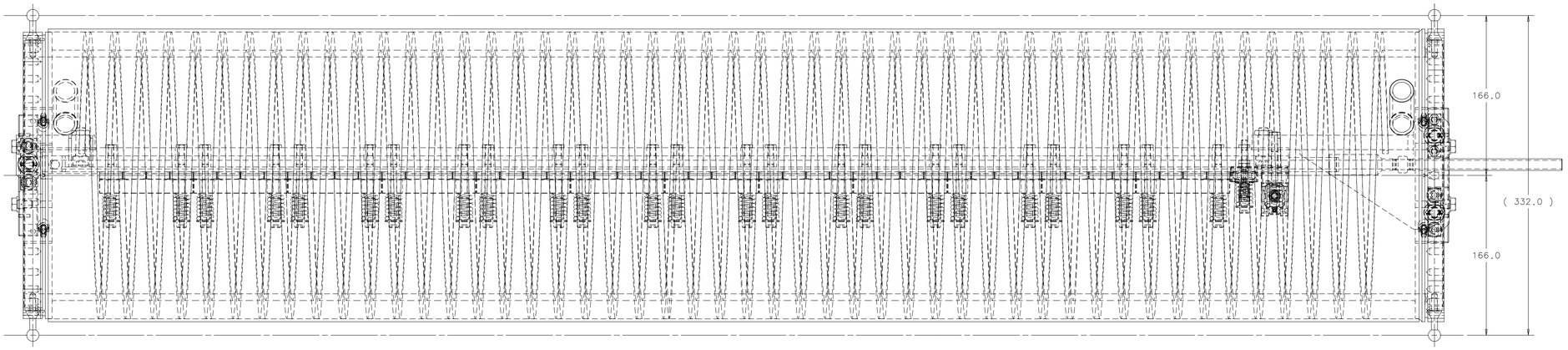
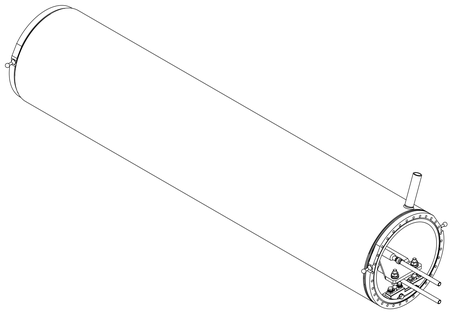
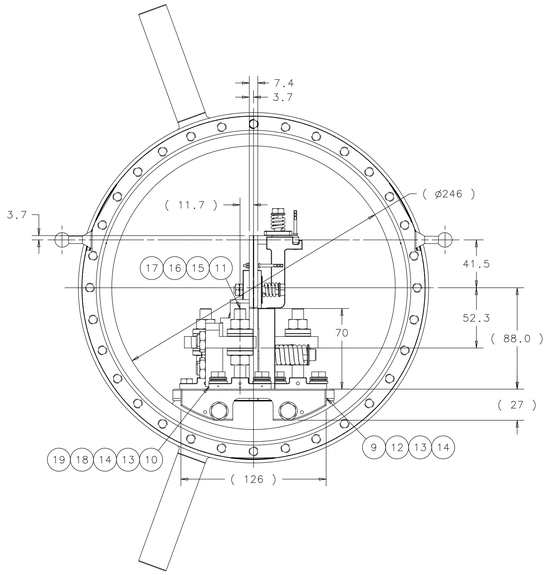
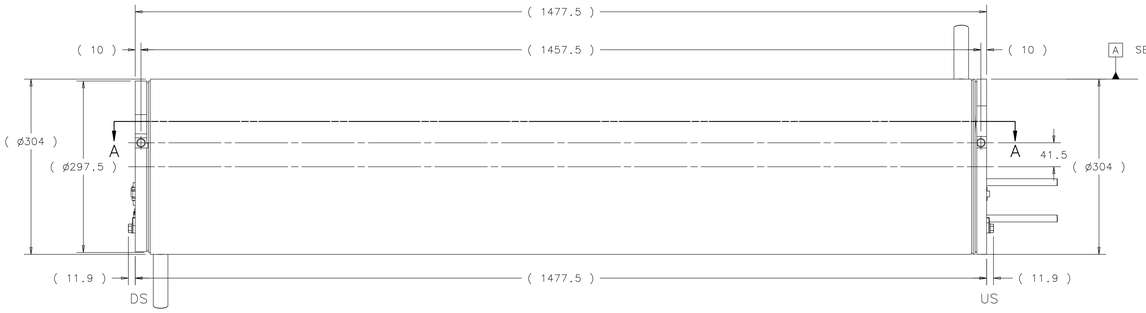
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
A	MODEL UPDATED	R.STEWART	08-FEB-2013
		M.MCGEE	08-FEB-2013
B	MODEL UPDATED	R.STEWART	20-MAY-2013
		M.MCGEE	20-MAY-2013
C	MODEL UPDATED	R.STEWART	04-SEP-2013
		M.MCGEE	04-SEP-2013

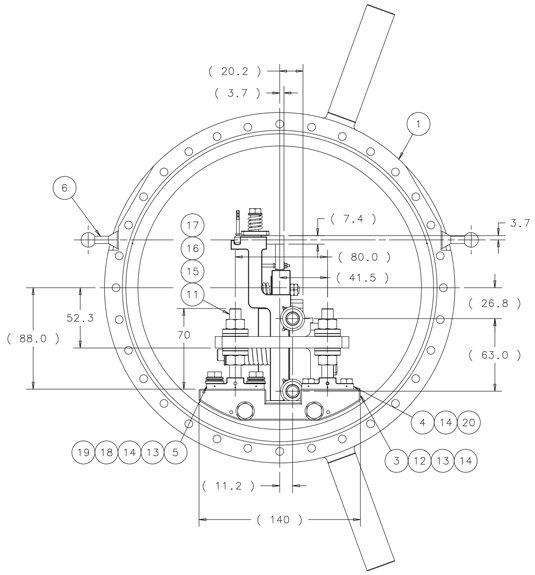


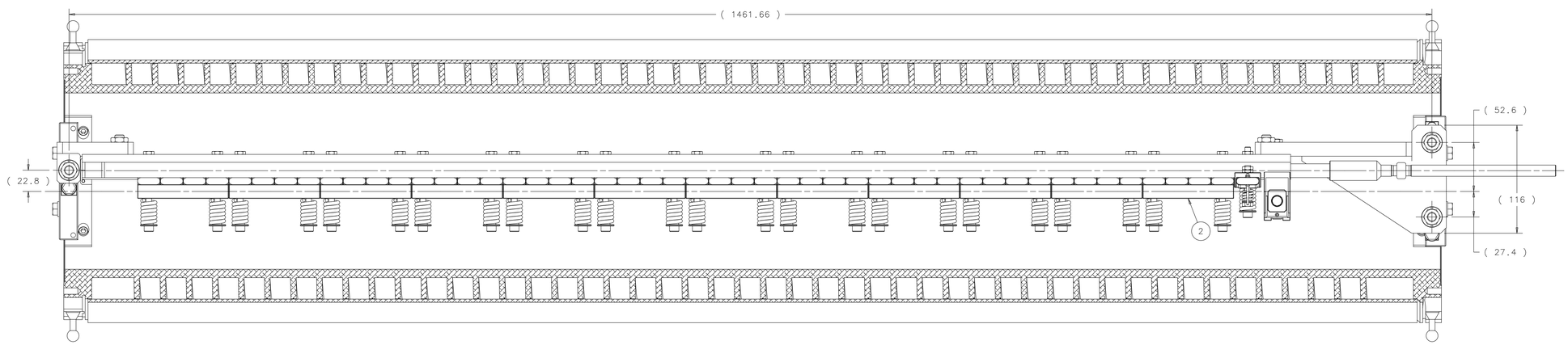






SCALE 1:4





SECTION A-A
SCALE 1:2

NOTES: 1. USE ALIGNMENT JIG AND ALIGNMENT JIG PIN ITEM 21 & ITEM 22 (NOT SHOWN) TO SET PLACEMENT OF UPSTREAM AND DOWNSTREAM SUPPORT BASE PLATES (ITEM 3 & ITEM 9).

2. DRILL AND PIN ITEM 3, ITEM 4, ITEM 5, ITEM 9, ITEM 10 AND ITEM 11 WITH ITEM 14.

3. DATUM A IS THE CENTER DAYUM AXIS OF ITEM 1 (CASING MACHINED).

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
22	MB-433789	ALIGNMENT JIG PIN	REF
21	MC-433787	RAIL SUPPORT ALIGNMENT JIG	REF
20	MB-433929	M6 x 1.00 X 12MM LONG HHCS ANODIZED 7075-T73 ALUMINUM	2
19		M8 BELLEVILLE WASHER SS BELLEVILLE SPRINGS P/N S158208	12
18	MB-433911	8MM DIA. X 10MM LG. SHOULDER SCREW	4
17	MB-433926	M10 HEX NUT ANODIZED 7075-T73 ALUMINUM	6
16	MB-433777	M10 SPHERICAL WASHER TOP	6
15	MB-433776	M10 SPHERICAL WASHER BOTTOM	6
14		M3 X 12MM LONG ROLL PIN SS MCMASTER-CARR P/N 91610A406	7
13	MB-433934	M8 FLAT WASHER ANODIZED 7075-T73 ALUMINUM	8
12	MB-433933	M8 x 1.25 X 16MM LONG HHCS ANODIZED 7075-T73 ALUMINUM	4
11	MB-433774	COOLING RAIL SUPPORT ROD	3
10	MB-433771	COOLING RAIL SUPPORT BRACKET DS	1
9	MC-433785	RAIL SUPPORT BASE PLATE DS	1
6	MB-433910	TOOLING BALL	4
5	MB-433773	RAIL SUPPORT BRACKET US SLIDING	1
4	MB-433772	RAIL SUPPORT BRACKET US LOCKING	1
3	MC-433786	RAIL SUPPORT BASE PLATE US	1
2	ME-433907	TARGET FIN ASSEMBLY	1
1	ME-433923	CASING MACHINED	1

PARTS LIST

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	M.MCGEE	30-OCT-2012
METRIC	X.X	ANGLES	DRAWN	R.STEWART	30-OCT-2012
± 0.25	± 0.1	± .5°	CHECKED	M.MCGEE	30-NOV-2012
			APPROVED	M.MCGEE	30-NOV-2012

1. BREAK ALL SHARP EDGES 0.4 MAX.
2. DO NOT SCALE DRAWING.
3. DIMENSIONS BASED UPON ASME Y14.5M-1994
4. MAX. ALL MACH. SURFACES 1.6
5. DRAWING UNITS: METRIC

USED ON: ME-433886

MATERIAL: SEE PARTS LIST ABOVE

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NOVA-ANU TARGET HALL MEDIUM ENERGY TARGET MARK II TARGET ALIGNMENT ASSEMBLY

SCALE	DRAWING NUMBER	SHEET	REV
1:2	8875.112-ME-433925	1 OF 1	C

CREATED WITH : Ideas12NXSeries | GROUP: ACCELERATOR MECH. SUPPT.

Created: 10:12:08 on 04-09-13 (D-M-Y) By: rstewart State: 1-INITIAL