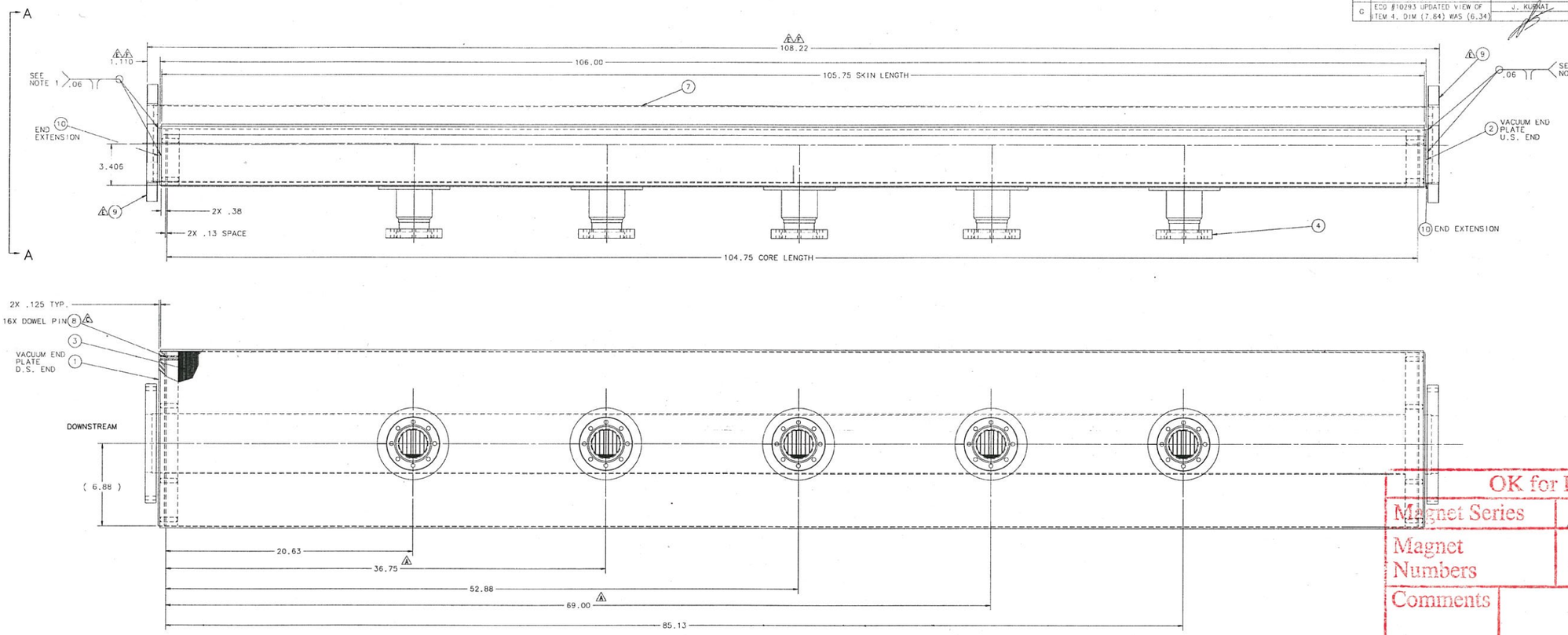
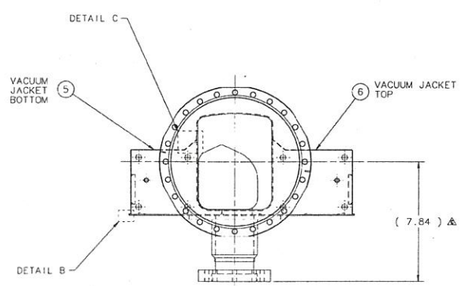
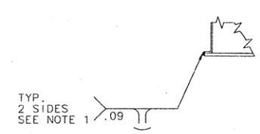
REV	DESCRIPTION	DRAWN / APPROVED	DATE / DATE
--	NEW RELEASE ER #8962	JWJ	1-16-08
A	ECO 5887 ADDED 2 PUMP OUT PORTS, DG.75 AND R9.00 D.WG.REV P/L ITEM #3 ME-481922 WAS ME-225480 ITEM #4 MD-481923 WAS ME-225484	JWJ / A. MAKAROV	13-OCT-2010 / 25 OCT 10
B	ECO-9936 REV ITEM #3 IN P/L WAS ME-481922 AIR CORE WELDED ASSY.	JWJ / A. MAKAROV	07-DEC-10 / 08-DEC-10
C	ECO #10135 ITEM #8 WAS 3/8"DIA DOWEL PIN. DWG#225494	J. KURNAT / A. MAKAROV	22AUG2011 / 30AUG2011
D	ECO 10199 NEW DRWG NUMBERS FOR ITEMS 1 & 2.	J. KURNAT / A. MAKAROV	12OCT2011 / 14OCT2011
E	ECO #10229 - ITEM 9 MD-483614 WAS MC-458343. DIMS. 108.71 WAS 107.59, 1.357 WAS .797.	M. BATTISTA / A. MAKAROV	14-NOV-2011 / 14-NOV-2011
F	ER #10254 - DIM. 108.22 WAS 108.71 & 1.110 WAS 1.357	M. BATTISTA / A. MAKAROV	13-DEC-2011 / 13 DEC 2011
G	ECO #10293 UPDATED VIEW OF ITEM 4. DIM (7.84) WAS (6.34)	J. KURNAT /	01FEB2012 / 2/3/12

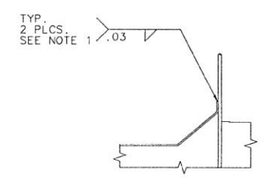




VIEW A-A



DETAIL B
SCALE 1/1



DETAIL C
SCALE 1/1

OK for Production

Magnet Series	MLAW-LH
Magnet Numbers	001-003
Comments	
Approved	Date 3/16/12

TEM	PART NO.	DESCRIPTION OR SIZE	QTY.
10	MC-225493	END EXTENSION-BEAM CHAMBER	2
9	MD-483614	END FLANGE	2
8	MA-485021	DOWEL PIN .375X1.500 INT THRD	16
7	MC-458345	VACUUM BEAM CHAMBER	1
6	MC-225490	VACUUM SKIN TOP	1
5	MC-225489	VACUUM JACKET BOTTOM	1
4	MD-481923	VACUUM SKIN-SIDE SKIN ASSY.	1
3	ME-482050	SOLID AIR CORE ASSY.	1
2	MD-483505	VACUUM END PLATE UPSTREAM-END	1
1	MD 483504	VACUUM END PLATE DOWNSTREAM-END	1

PARTS LIST

UNLESS OTHERWISE SPECIFIED		ORIGINATOR	18-JAN-2008
FRACTION	DECIMAL	ANGLE	DRAWN J. JABLONSKI 18-JAN-2008
± 1/16	± .06	± --	CHECKED A. MAKAROV 22-JAN-2008
1. DEBURR ALL SHARP EDGES 1/64 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES			APPROVED A. MAKAROV 22-JAN-2008
			USED ON
5. DRAWING UNITS: U.S. INCH			MATERIAL SEE LIST

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

8 GEV RECYCLER
TRANSFER LAMBERTSON MAGNET
LEFT HAND SKIN/CORE ASSEMBLY

SCALE	DRAWING NUMBER	SHEET	REV
1:2	5520.000-ME-458349	1 OF 1	G

CREATED WITH: ideas12XSeries GROUP: TD/DOCIS-DESIGN-COMPUTING

NOTES:

1. VACUUM TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 2×10^{-10} TORR CC/SECOND.