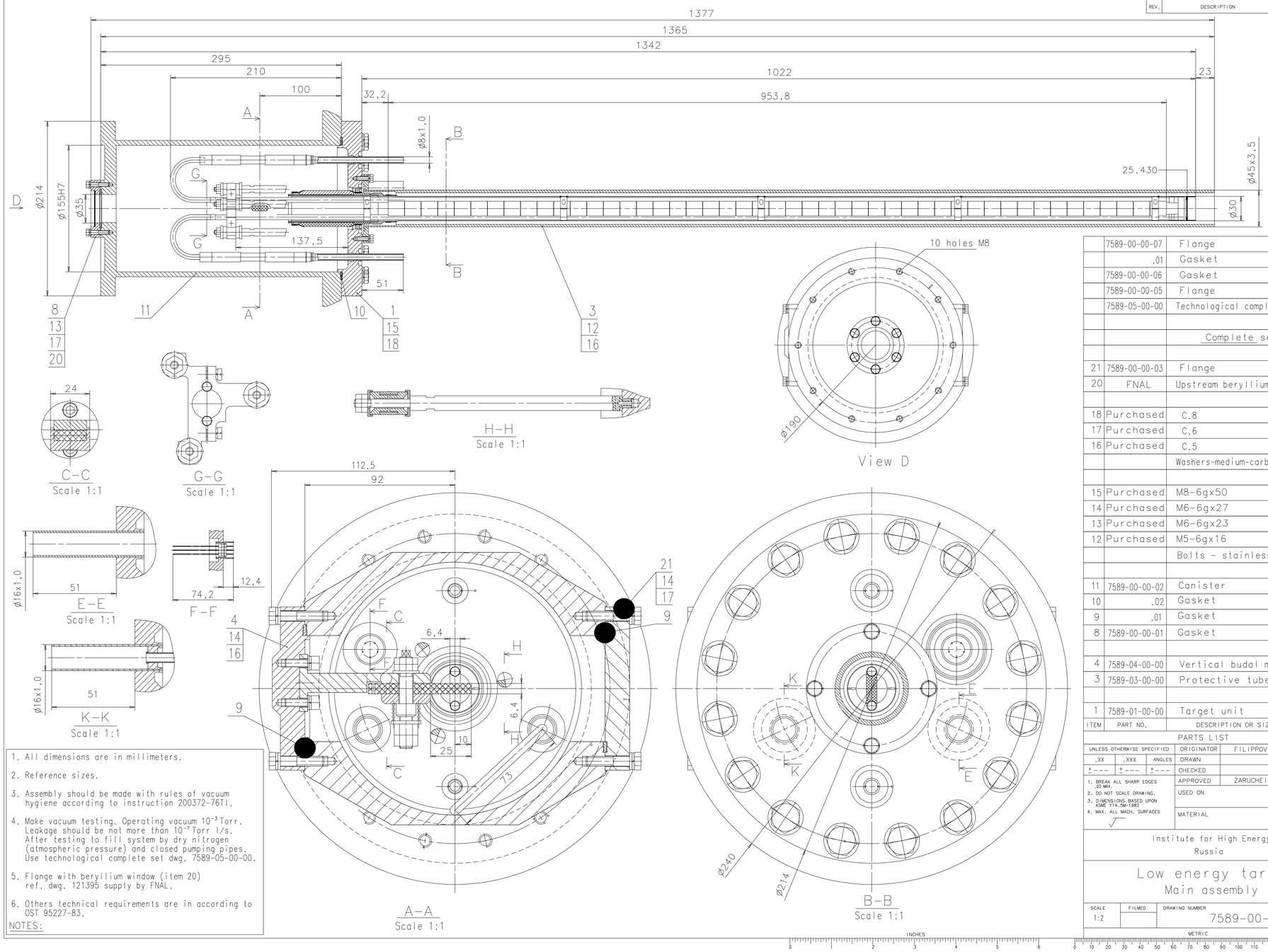
REV.	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE



ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
	7589-00-00-07	Flange	1
	.01	Gasket	1
	7589-00-00-06	Gasket	1
	7589-00-00-05	Flange	1
	7589-05-00-00	Technological complete set	1
		Complete set	
21	7589-00-00-03	Flange	1
20	FNAL	Upstream beryllium window	1
18	Purchased	C.8	16
17	Purchased	C.6	22
16	Purchased	C.5	4
		Washers-medium-carbon steel	
15	Purchased	M8-6gx50	16
14	Purchased	M6-6gx27	16
13	Purchased	M6-6gx23	6
12	Purchased	M5-6gx16	4
		Bolts - stainless steel	
11	7589-00-00-02	Canister	1
10	.02	Gasket	4
9	.01	Gasket	4
8	7589-00-00-01	Gasket	4
4	7589-04-00-00	Vertical budal monitor	1
3	7589-03-00-00	Protective tube	1
1	7589-01-00-00	Target unit	1

PARTS LIST

1. All dimensions are in millimeters.
2. Reference sizes.
3. Assembly should be made with rules of vacuum hygiene according to instruction 200372-76TI.
4. Make vacuum testing. Operating vacuum 10^{-3} Torr. Leakage should be not more than 10^{-7} Torr l/s. After testing to fill system by dry nitrogen (atmospheric pressure) and closed pumping pipes. Use technological complete set dwg. 7589-05-00-00.
5. Flange with beryllium window (item 20) ref. dwg. 121395 supply by FNAL.
6. Others technical requirements are in according to OST 95227-83.

NOTES:

UNLESS OTHERWISE SPECIFIED				
.XX	.XXX	ANGLES	ORIGINATOR	FILIPPOV	15.01.03
± ---	± ---	± ---	DRAWN		
			CHECKED		
1. BREAK ALL SHARP EDGES .02 MAX.			APPROVED	ZARUCHEISKY	
2. DO NOT SCALE DRAWING.			USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1982					
4. MAX. ALL MACH. SURFACES √			MATERIAL		

Institute for High Energy Physics
Russia

Low energy target
Main assembly

SCALE	FILMED	DRAWING NUMBER	REV.
1:2		7589-00-00-00	

INCHES 0 1 2 3 4 5 6
METRIC 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

UNLESS OTHERWISE SPECIFIED					
			ORIGINATOR	V.SIDOROV	11-DEC-2008
			DRAWN	G.WAVER	11-DEC-2008
±	±	±	CHECKED	V.SIDOROV	11-DEC-2008
1. BREAK ALL SHARP EDGES MAX.			APPROVED	V.SIDOROV	11-DEC-2008
2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON			USED ON	7756-00-00-00	
4. MAX. ALL MACH. SURFACES √			MATERIAL	7589-00-00-00	
5. DRAWING UNITS:					

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NUMI LOW ENERGY TARGET
MAIN ASSEMBLY
FROM RUSSIA

SCALE	DRAWING NUMBER	SHEET	REV
HALF	8875.112-ME-437430	1 OF 1	

CREATED WITH : Ideas12NXSeries GROUP: ACCELERATOR MECH. SUPPT.

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