

PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	VENDOR
1	2	GA-0462AL	4.625 CF Gasket Aluminum	Aluminum 1100-H14	Lesker Vacuum
2	2	TGT-101-1001-0504	3 in CF 15 cm flow diverter beam right	Generic	
3	4	TGT-101-1001-0505	3 in CF Cell Flow Diverter Mount	Aluminum 6061	
4	2	TGT-101-1001-0506	3 in CF 15 cm flow diverter beam left	ASTM B209 AL 6061-T651	
5	8	92210A103	Spline Socket Flat Countersunk Head Cap Screw ANSI B18.3 - 4-40 UNC x 0.313	SST 18-8	McMaster Carr
6	40	1191-4CN750	Helicoll 1/4-28 x 0.75 SST 304	Stainless Steel AISI 304	Various
7	36	1191-4CN500	Helicoll 1/4-28 x 0.5 SST 304	Stainless Steel AISI 304	Various
8	2	GA-0275AL	Al Gasket 2.75 CF	Aluminum 1100-H14	
9	8	92196A115	ANSI B18.3 - No. 4 - 40 UNC - 1 HS HCS	SST 18-8	McMaster Carr
10	40	12ptx1.5	1/4-28 x 1.5 12 pt Cap Screw SST 18-8	SST 18-8	
11	12	12pt0.25x1	1/4-28 x 1.00 12 pt Cap Screw SST	SST 18-8	
12	2	TGT-101-1001-0501	3 in CF Cell Block For Std TGT	ASTM B209 AL 7075-T651	
13	2	TGT-101-1001-0503	3 in OD target 15 cm entrance	ASTM B209 AL 7075-T651	
14	2	TGT-101-1001-0502	3 in OD cell 15 cm target	ASTM B209 AL 7075-T651	
16	2	TGT-101-1005-0003	Dummy/Optics Target Sled	ASTM B209 AL 6061-T651	
17	2	TGT-101-1005-0002	Solid Target Spacer Block 1.5 in.	ASTM B209 AL 6061-T651	
18	5	TGT-101-1005-0004	Target Foil Clamp	Aluminum-6061	
19	5	TGT-101-1005-0005	Carbon Optics Target Foil	Carbon Graphite Rigid	
20	7	TGT-101-1005-0011	Dummy and Optics Foil Clamp	Aluminum 6061	
21	14	98511A123	2.56x0.25 HSHCS Aluminum (Blue Anodized)	Aluminum 6061	McMaster Carr
22	26	98511A133	2.56x0.5 HSHCS Aluminum (Anodized Blue)	Aluminum 6061	McMaster Carr
23	2	TGT-101-1005-0010	Target Foil Clamp	Aluminum-6061	
24	2	TGT-101-1005-0008	Aluminum Dummy Target Foil	ASTM B209 AL 7075-T651	
25	8	92210A303	10-32x0.625 HFHCS SST 18-8	SST 18-8	McMaster Carr
26	2	92210A150	6-32x0.625 HFHCS SST 18-8	SST 18-8	McMaster Carr
27	1	TGT-101-1005-0012	Solid Target Ladder Short	ASTM B209 AL 7075-T651	
28	3	TGT-101-1005-0013	Solid Target Clamp	ASTM B209 AL 6061-T651	
29	1	TGT-101-1005-0014	BeO Target Foil	BeO	
30	1	TGT-101-1005-0007	Carbon Hole Target Foil	Carbon Graphite Rigid	
31	1	TGT-101-1005-0006	Carbon Target Foil	Carbon Graphite Rigid	
32	4	92196A332	0.24-28x2.5 HSHCS SST1-8	SST 18-8	McMaster Carr
33	2	TGT-101-1001-0513	Entrance Window Flow Diverter	AlSiMg (3D Print)	
34	6	92510A777	Spacer 0.252 ID 0.5 long 0.625 OD	Aluminum 6061	McMaster Carr

DOCUMENT CONTROL STAMP

3BIM & TOI PER 3BIM V19795492 APPROVALS 0.25 DIA 1.24 long

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS DECIMALS ANGLES

$\pm 1/64$   $\pm 0.1$   $\pm 0.5'$

XXX  $\pm 0.01$  XXX  $\pm 0.005$

THIRD ANGLE PROJECTION

DEBUR AND BREAK ALL SHARP EDGES ACCEPT AS NOTED

Do Not Scale Drawing

DRAWN David 1/12/2014

CHECKED

APPROVED

APPROVED

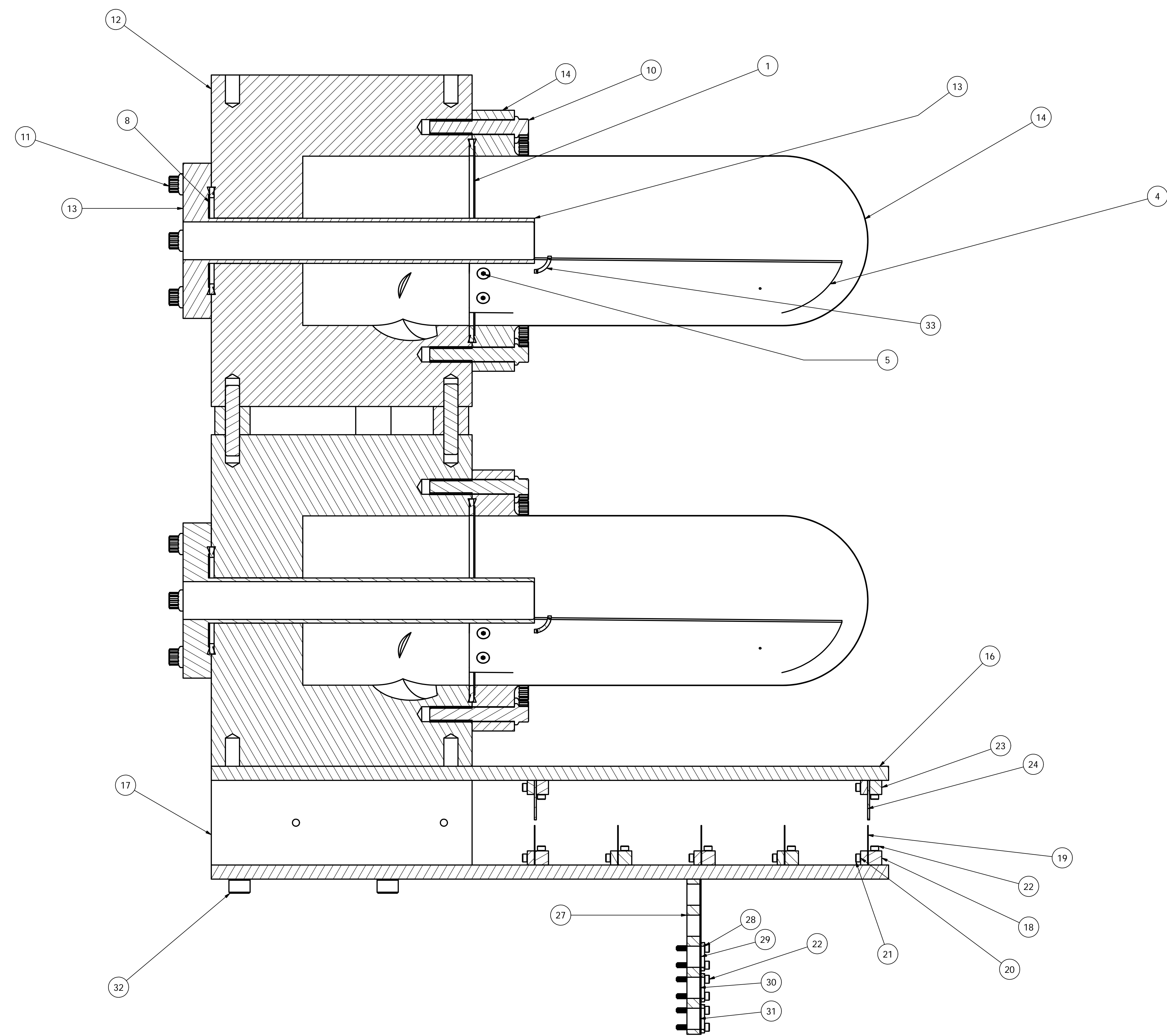
APPROVED

THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY  
NEWPORT NEWS VIRGINIA  
U.S. DEPARTMENT OF ENERGY

Hall A Cryogenic Target  
Lower Target  
Stack Assembly (Spring 2014)

SIZE E DWG NO TGT-101-1010-0001

SCALE 1: ASSY NO. SHEET 1 OF 2



SECTION A-A  
SCALE 1 : 1

