

**Fundamental Neutron Physics, BL-13
N3He Drawing and Fabrication List**

7/16/2014

Shielding Drawing Number	Assy Item No.	Rev	Shts	Name	Qty	Max Length (in)	Max Width (in)	Max Thick (in)	Weight (Lbs) ea (Lbs) tot	Priority	Need Date	Complete Date	Vendor/Shop	Cost	Note
FUND13N3HE10M8U8713	A001	0	1	Spin Flipper Mount Assy	1										
FUND13N3HE10M8U8713	A002	1	0	Spin Flipper Mount Arm	2	20	5.25	1	2.00	4.0	1	06/25/14	06/25/14	UT	
FUND13N3HE10M8U8713	A003	2	0	Spin Flipper Mount Base	1	23	12	0.5	18.00	18.0	1	06/25/14	06/25/14	UT	
FUND13N3HE10M8U8713	A004	3	0	Spin Flipper Shim	6	6.83	1	0.25	0.22	1.3	1	06/25/14	06/25/14	UT	
FUND13N3HE10M8U8713	A010	0	0	Kanya Frame Assy							1		06/23/14	A-Line Corp	\$2,330.30
FUND13N3HE10M8U8713	A011	0	0	Kanya Frame Assy								06/23/14			
FUND13N3HE10M8U8713	A012	0	0	Kanya Frame Assy								06/23/14			
Sketch				60 X 60 T-Nuts	?								UK		
Sketch				80 X 80 T-Nuts	46								UK		
				M6-12 Brass Bolts	20								McMaster Carr		93270A425
				M6-16 Brass Bolts	160								McMaster Carr		93270A430
				M6 Brass Washers	200								McMaster Carr		91635A240
FUND13N3HE10M8U8713	A020	0	0	Beam Scan Mount Assy											
FUND13N3HE10M8U8713	A020	-3	0	Scan Mount Gusset	2	4.125	2.75	0.375	0.41	0.8					
FUND13N3HE10M8U8713	A020	-4	0	Scan Mount Base	1	10.25	6.25	0.375	3.12	3.1					
FUND13N3HE10M8U8713	A020	-5	0	Scan Mount Plate	1	5	4.5	0.375	1.10	1.1					
FUND13N3HE10M8U8713	A020	-6	0	Scan Mount Front Plate	1	7.375	3.5	?	?	?					
FUND13N3HE10M8U8713	A030	0	0	Polarimetry Mount Assy											
FUND13N3HE10M8U8713	A031	0	0	Polarimetry Mount Assy											
FUND13N3HE10M8U8713	A032	0	0	Polarimetry Mount Assy											
FUND13N3HE10M8U8713	A040	0	1	Laser Mount Assembly	1										
FUND13N3HE10M8U8713	A040	-1	1	Laser Mount Base Plate	1	7	6	0.5	2.73	2.7	4	07/18/14	UT		
FUND13N3HE10M8U8713	A040	-2	1	Laser Mount Support Plate	1	7	6	0.5	2.73	2.7	4	07/18/14	UT		
FUND13N3HE10M8U8713	A040	-5	1	Laser Mount Vertical Plate	1	3	3	0.25	0.29	0.3	4	07/18/14	UT		
FUND13N3HE10M8U8713	A040	-6	1	Laser Mount Gusset	2	4	3	0.5	0.65	1.3	4	07/18/14	UT		
FUND13N3HE10M8U8713	A050		0	4-Jaw Collimator Assy	1										
FUND13N3HE10M8U8713	A051	0	5	Back Plate Assy	1										
FUND13N3HE10M8U8713	A051	-1		Back Plate	1	23	20	0.25	14.95	15.0	3	07/11/14	UT		
FUND13N3HE10M8U8713	A051	-2		CCR08-16 Rail	4						3	07/03/14	07/16/14	Motion Ind.	\$263.84
FUND13N3HE10M8U8713	A051	-3		Spacer	2	16	1.5	0.5	1.56	3.1	3	07/11/14	UT		
FUND13N3HE10M8U8713	A051	-5		Aluminum Ruler	3	12	0.625	0.063	0.06	0.2	3	07/11/14	UT		
FUND13N3HE10M8U8713	A052		0	Small Door Assy	2										
FUND13N3HE10M8U8713	A052	-1		Small Door	2	14.0625	4	0.125	0.91	1.8	3	07/11/14	UT		
FUND13N3HE10M8U8713	A052	-2		PN08C Pillow Block	8						3	07/03/14	07/16/14	Motion Ind.	\$867.12
FUND13N3HE10M8U8713	A052	-4		Small Door Stop	2	4	2.063	0.5	0.54	1.1	3	07/11/14	UT		
FUND13N3HE10M8U8713	A053		0	Large Door Assy	2										
FUND13N3HE10M8U8713	A053	-1		Large Door	2	21.625	4	0.125	1.41	2.8	3	07/11/14	UT		
FUND13N3HE10M8U8713	A053	-2		PN08C Pillow Block	8						3	07/03/14	07/16/14	Motion Ind.	\$867.12
FUND13N3HE10M8U8713	A053	-4		Large Door Stop	2	4	2.5	0.5	0.65	1.3	3	07/11/14	UT		
FUND13N3HE10M8U8713	A060		0	V-Block & Sled Assy	1										
FUND13N3HE10M8U8713	A061	-1		V-Block	1	75	4	2.5	64.35	64.4	2	07/02/14	07/02/14	UT	
FUND13N3HE10M8U8713	A062	-2	0	Sled	1	10.5	2.5	2.5	6.40	6.4	2	07/02/14	07/02/14	UT	
FUND13N3HE10M8U8713	A070		0	Ion Chamber Mount Assy	1										
FUND13N3HE10M8U8713	A071		0	Upstream Rotation Flange	1	40.06	0.75	1	2.93	2.9	1	07/28/14		Vacuum Tech	\$474.00
FUND13N3HE10M8U8713	A072		0	Downstream Rotation Flange	1	40.06	0.75	1	2.93	2.9	1	07/28/14		Vacuum Tech	\$423.00
FUND13N3HE10M8U8713	A073		0	V-Support	2	14.5	5.5	1.5	11.66	23.3	4	07/18/14	UT		
FUND13N3HE10M8U8713	A074		0	V-Support Base	2	6	4	1.5	4.68	9.4	4	07/18/14	UT		
FUND13N3HE10M8U8713	A075		0	Ball Housing Shaft	4	5	0.7		0.58	2.3	4	07/18/14	UT		
FUND13N3HE10M8U8713	A076		0	Base Bracket	4						4		UT		5537T192
FUND13N3HE10M8U8713	A077		0	Isolator Mount Plate	2	18.648	2.5	0.375	2.27	4.5	4	07/18/14	UT		
FUND13N3HE10M8U8713	A078		0	Isolator Substitute	2	24	2.5	1.3	10.14	20.3	4	07/18/14	UT		
FUND13N3HE10M8U8713	A070	-1	0	40 X 80 Kanya 6.245"	4						4	07/09/14	07/07/14	ORNL	
FUND13N3HE10M8U8713	A070	-2	0	40 X 80 Kanya 14.426"	2						4	07/09/14	07/07/14	ORNL	
FUND13N3HE10M8U8713	A070	-3	0	40 X 80 Kanya 12.309"	2						4	07/09/14	07/07/14	ORNL	
FUND13N3HE55M8U8713	A001			Labyrinth Shield Wall Assy	1						4				
FUND13N3HE55M8U8713	A001			Large Door	1	96	48	1.5	262.00		4				
FUND13N3HE55M8U8713	A001			Small Door	1	96	27.75	1.5	155.00		4				
FUND13N3HE55M8U8713	A001			Upper Panel	1	48.25	46.25	1.5	129.00		4				