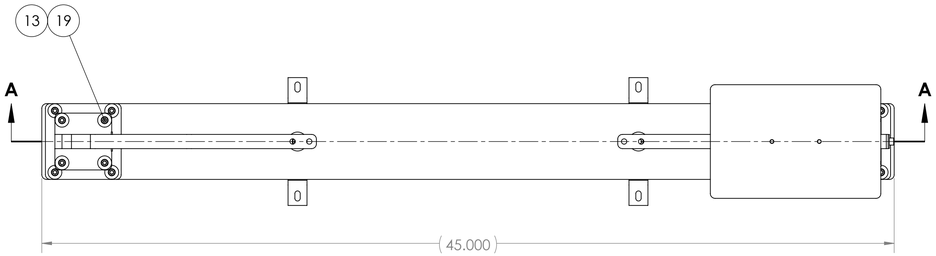
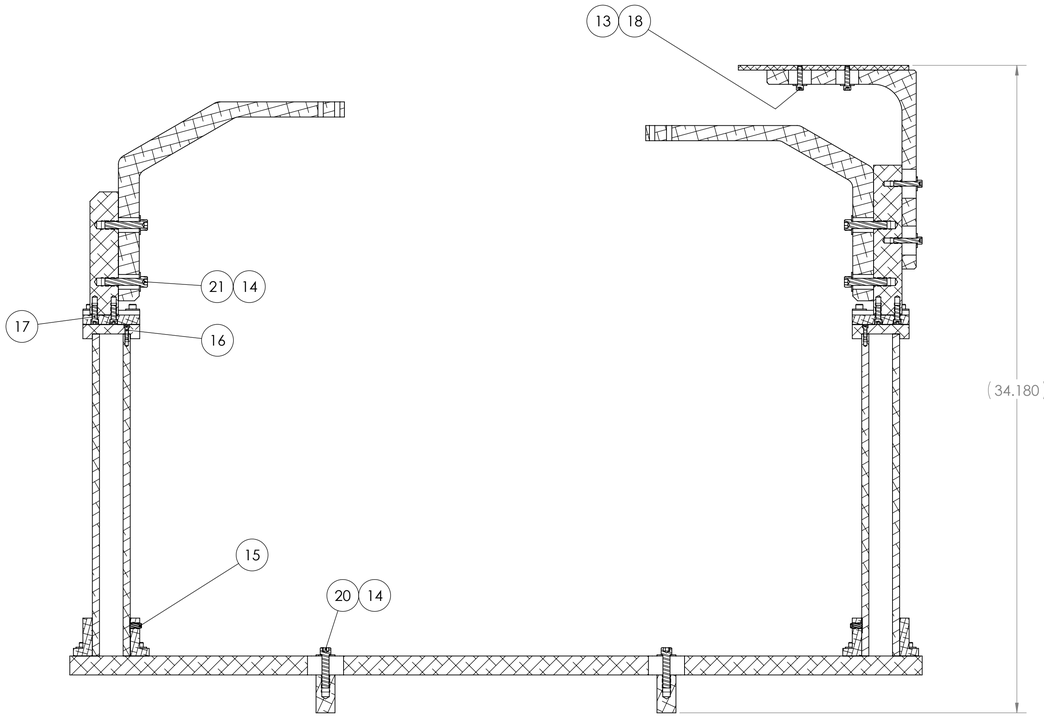
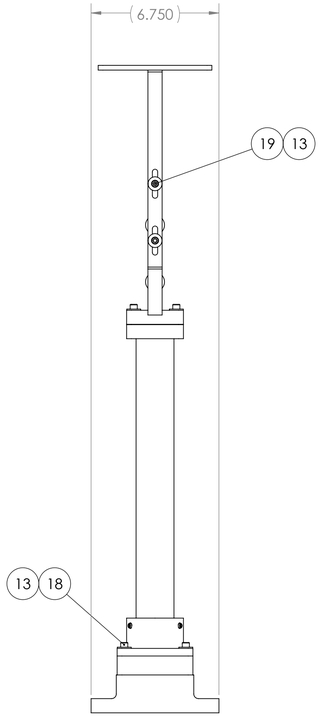
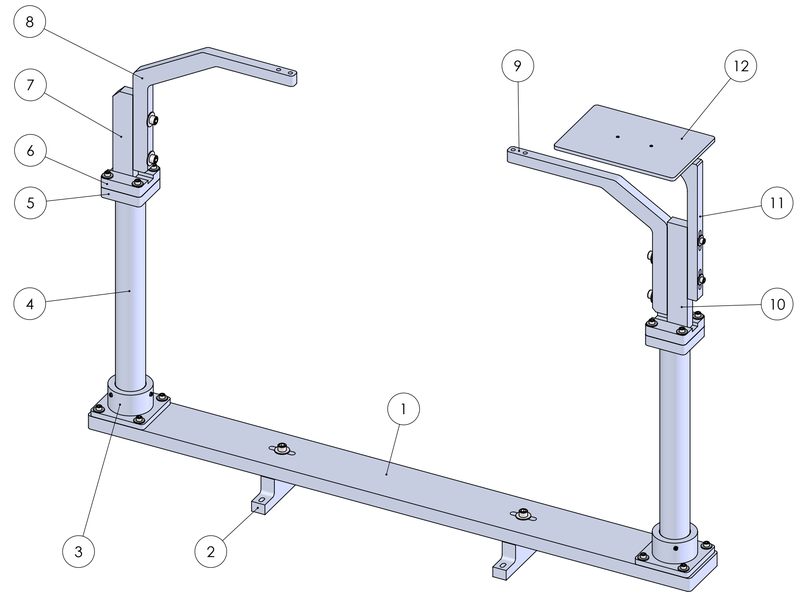
REVISIONS				
REV.	DESCRIPTION	MD WO #	DATE	BY
3	Released	W04047-002	12-MAY-2016	PMG





SECTION A-A





ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	N3010217-MDE-0001-0061	Base Beam	6061-T6 Alum	1
2	N3010217-MDE-0001-0062	Base Beam Foot	6061-T6 Alum	2
3	N3010217-MDE-0001-0063	Post Mount Flange	6061-T6 Alum	2
4	N3010217-MDE-0001-0064	Post	6061-T6 Alum	2
5	N3010217-MDE-0001-0065	Post Flange 'A'	6061-T6 Alum	2
6	N3010217-MDE-0001-0066	Post Flange 'B'	6061-T6 Alum	2
7	N3010217-MDE-0001-0067	Upstream End Vertical Mount	6061-T6 Alum	1
8	N3010217-MDE-0001-0068	Upstream End Cantilever Arm	6061-T6 Alum	1
9	N3010217-MDE-0001-0069	Downstream End Cantilever Arm	6061-T6 Alum	1
10	N3010217-MDE-0001-0070	Downstream End Vertical Mount	6061-T6 Alum	1
11	N3010217-MDE-0001-0071	Ancillary Support Arm	6061-T6 Alum	1
12	N3010217-MDE-0001-0072	Platform	6061-T6 Alum	1
13	Regular FW 0.25-SZP	Flat Washer - 1/4"	STEEL, ZINC PLATED-GRADE 5 MINIMUM	20
14	Regular FW 0.375-SZP	Flat Washer - 3/8"	STEEL, ZINC PLATED-GRADE 5 MINIMUM	6
15	SSCUPSKT 0.25-20x0.625-HX-N-SBO	Socket Set Screw Cup Point, Size 1/4-20, Length 0.625	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	6
16	HX-SHCS 0.164-32x0.625x0.625-N-SBO	Hex Socket Head Cap Screw - #8-32 x 5/8" long	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	6
17	HX-SHCS 0.25-20x0.75x0.75-N-SBO	Hex Socket Head Cap Screw - 1/4"-20 x 3/4" long	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	4
18	HX-SHCS 0.25-20x1x1-N-SBO	Hex Socket Head Cap Screw - 1/4"-20 x 1" long	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	10
19	HX-SHCS 0.25-20x1.25x1.25-N-SBO	Socket Head Cap Screw 1/4-20 x 1.25	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	10
20	HX-SHCS 0.375-16x1.75x1.25-N-SBO	Hex Socket Head Cap Screw - 3/8"-16 x 1 3/4" long	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	2
21	HX-SHCS 0.375-16x1.875x1.375-N-SBO	Socket Head Cap Screw, Size 3/8-16, Length 1.875, Thread Length 1.375	STEEL, BLACK OXIDE COATED-GRADE 5 MINIMUM	4

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N3010217-MDE-0001-0000

NEXT ASSEMBLY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
BREAK ALL SHARP EDGES .02 MAX.
REMOVE ALL BURRS
30 Deg. CHAMFER ENDS ALL THREADS
MACHINE SURFACE FINISH

DO NOT SCALE DRAWING

Dimension Tolerances

1 Place Dec.	± .030
2 Place Dec.	± .010
3 Place Dec.	± .005
"Stock"	± .060
Angles	± .5°

National Superconducting Cyclotron Laboratory
MICHIGAN STATE UNIVERSITY - East Lansing, Michigan

DRAWN BY	A. SLATIN
Project / System Reference	Proton Detector Top Assembly
DESCRIPTION	Proton Detector Support
DATE	MAY 2016
SCALE	1:4
SIZE	D
MATERIAL	ASSEMBLY
PART #	N3010217-MDE-0001-0006
REV	3