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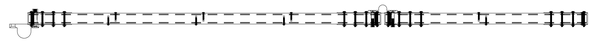
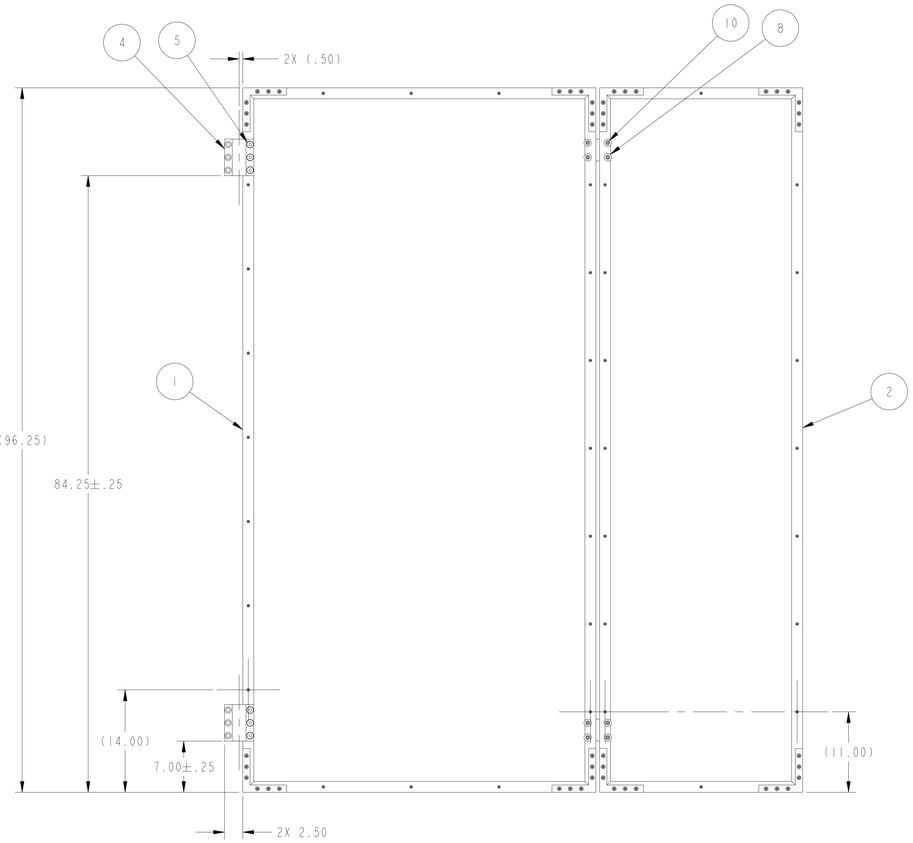
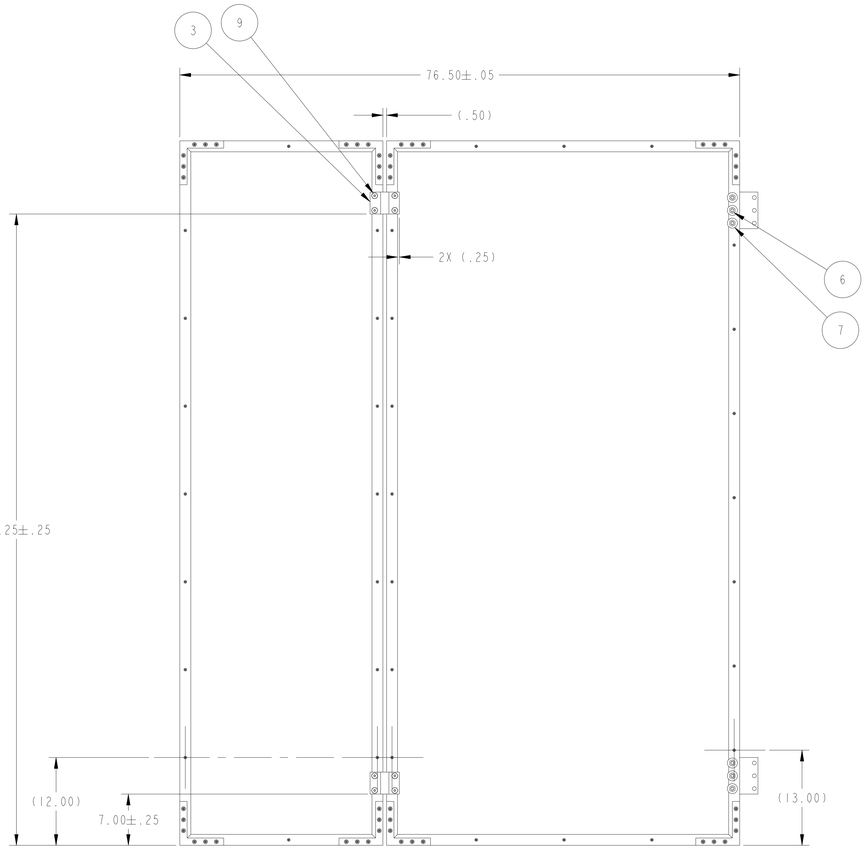
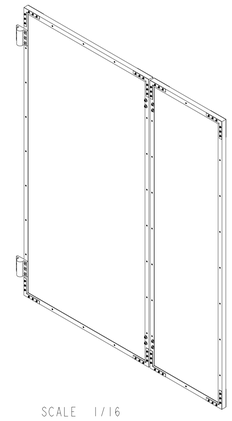
REVISIONS

REV	TYPE	DESCRIPTION OF CHANGE	DES	DET	CK	ENG	TL	GL	CE	VER	DATE
0		ORIGINAL ISSUE									









SCALE 1/16

NOTES:

1. McMASTER CARR
   404-346-7000
   MCMASTER.COM
2. 4X ∨ 82° X Ø.80 EXISTING HOLES
   F/N 3 (HINGES). USE PART NUMBER 1852A59

	FIND NO.	QTY	PART OR IDENTIFYING NUMBER	DESCRIPTION OR NOMENCLATURE	MATERIAL / SPECIFICATION
1	10	8	94191A300	NUT, 3/8-16	MIL SPEC GRADE 8 STEEL MS51967-15
1	9	8	91253A633	FHSCS 3/8-16 UNC-3A X 2-1/4 LG	ALLOY STEEL ASTM F835
1	8	8	90108A417	3/8" FLAT WASHER	ALLOY STEEL ZINC PLATED
1	7	6	90108A033	FLAT WASHER .50 DIA	STEEL ---
1	6	6	94191A500	NUT, 1/2-13	MIL SPEC GRADE 8 STEEL MS51967-15
1	5	6	91253A722	FHSCS 1/2-13UNC-3A X 2-1/2 LG	ALLOY STEEL ASTM F835
1	4	2	1484A31	LOAD RATED HEAVY DUTY HINGE	--- ---
2 1	3	2	FUND13N3HE55M8U8713A002-01	LOAD RATED HINGE	1852A59 ---
	2	1	FUND13N3HE55M8U8713A004	DOOR ASSEMBLY SMALL	--- ---
	1	1	FUND13N3HE55M8U8713A003	DOOR ASSEMBLY LARGE	--- ---

PARTS LIST — TOTAL WEIGHT 435 LBS

DWG NO. FUND13N3HE55M8U8713A002 SH 1

QUALITY VERIFICATION	
DOCUMENTS REQUIRED	APPLICABLE
MATERIAL MILL TEST REPORT	
LEAK TEST REPORT	
CLEANING CERT	
WELD / BRAZE INSPECTION REPORT	
HEAT TREAT REPORT (W/CHART)	
DIMENSIONAL REPORT	
MATERIAL SELLER CERT	
FUNCTIONAL TEST REPORT	
DEVIATION REQUEST	⨯
NONCONFORMANCE REPORT	⨯
FUND13N3HE55M8U8713A001	QA REP / DATE
NEXT USED ASSEMBLIES	

DIMENSIONS ARE IN INCHES
DRAFTING STANDARD: ASME Y14.100
DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M,2009
DO NOT SCALE DRAWING

DEFAULT TOLERANCES

LINEAR	ANGULAR
X.XX ±.01 X.XXX ±.005	±.5°

REMOVE ALL BURRS AND BREAK SHARP EDGES: .060
SURFACE ROUGHNESS: 125 RMS MAX
THIRD ANGLE PROJECTION

APPROVALS

		DATE
DESIGNER		
DETAILER	S ROY	7/17/2014
CHECKER		
ENGINEER	Jack Thomison 2014.07.24 10:05:47 -04'00'	
TEAM LEAD	Christopher Penttila 2014.07.28 16:03:08 -05'00'	
GROUP LEAD	Seppo I. Penttila,	
CHIEF ENGR		
VERIFIER		
CONTROL SYSTEM	4	
SNS PROCEDURE	NFDD-ENG-001	

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OAK RIDGE, TENNESSEE
NEUTRON SCIENCES

N3He EXPERIMENT NEUTRON SHIELDING DOOR ASSEMBLY

SIZE	DRAWING NUMBER	REV
E	FUND13N3HE55M8U8713A002	0

SCALE	CAD MODEL	MODEL REV	SHEET
1/8	FUND13N3HE55M8U8713A002	0	1 of 1

THIS DRAWING PREPARED ON Pro/ENGINEER