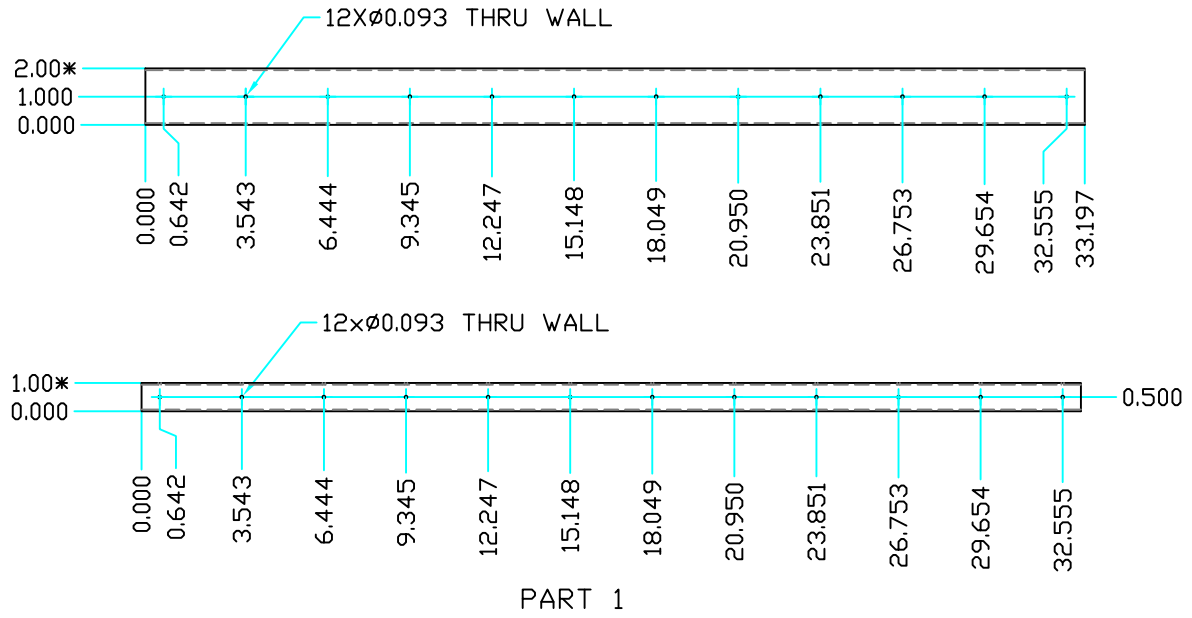
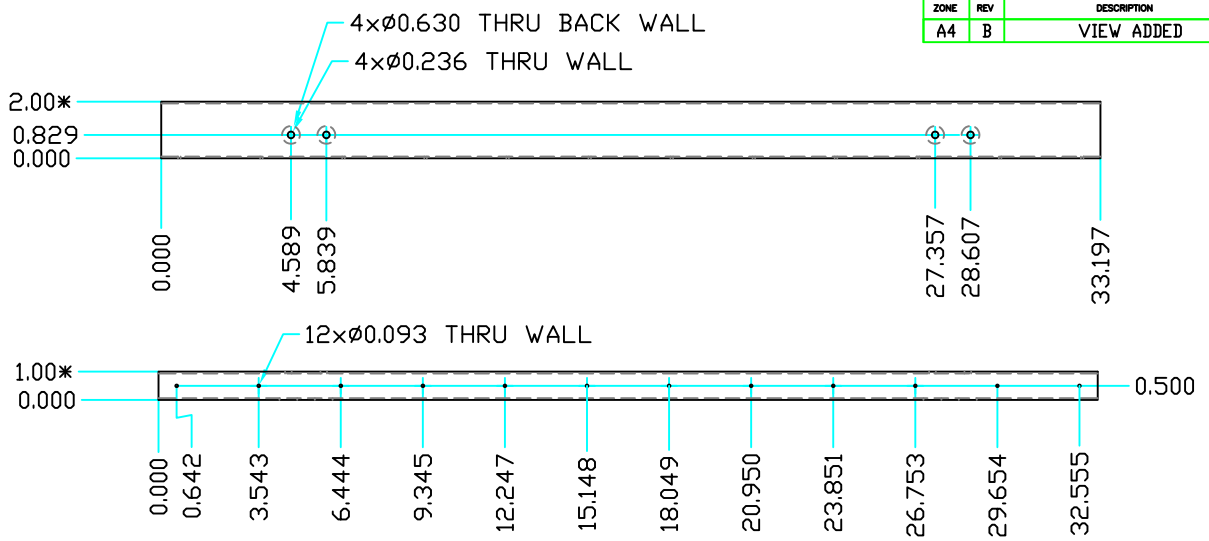
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A4	B	VIEW ADDED	9.22.18	KH



PART 1



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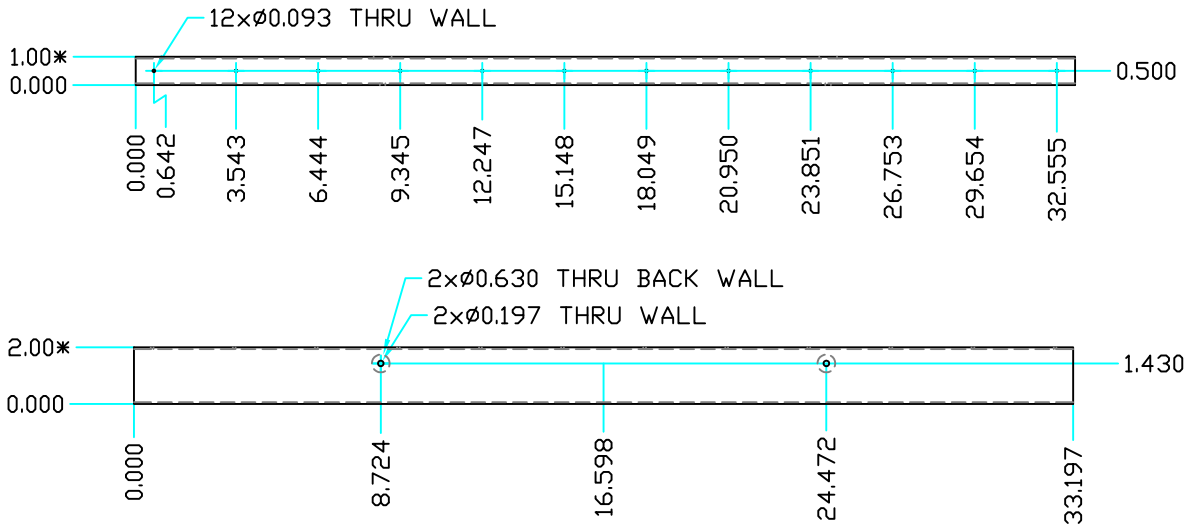

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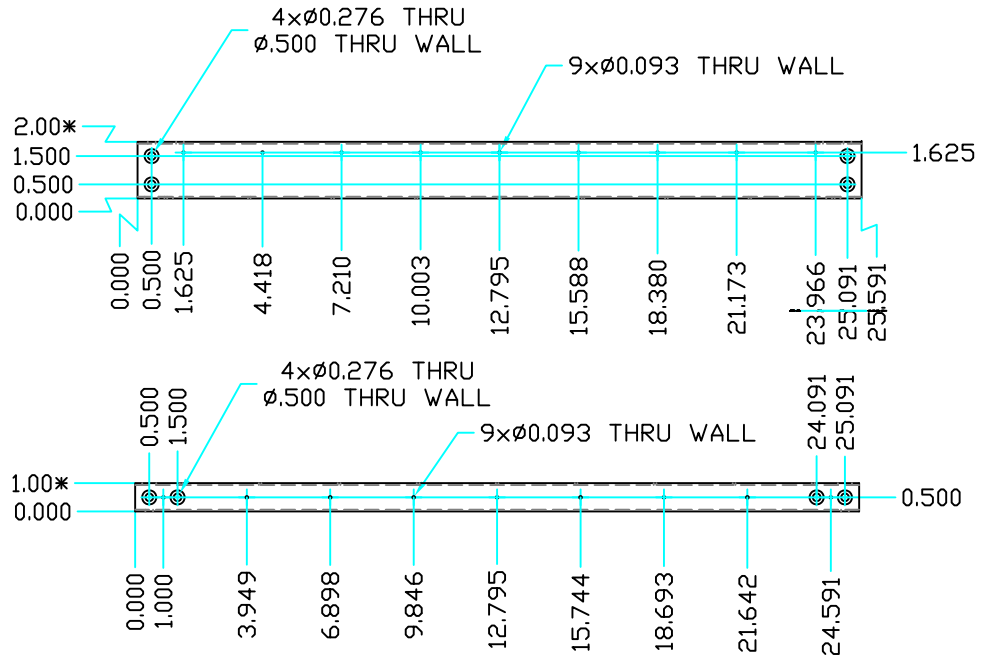
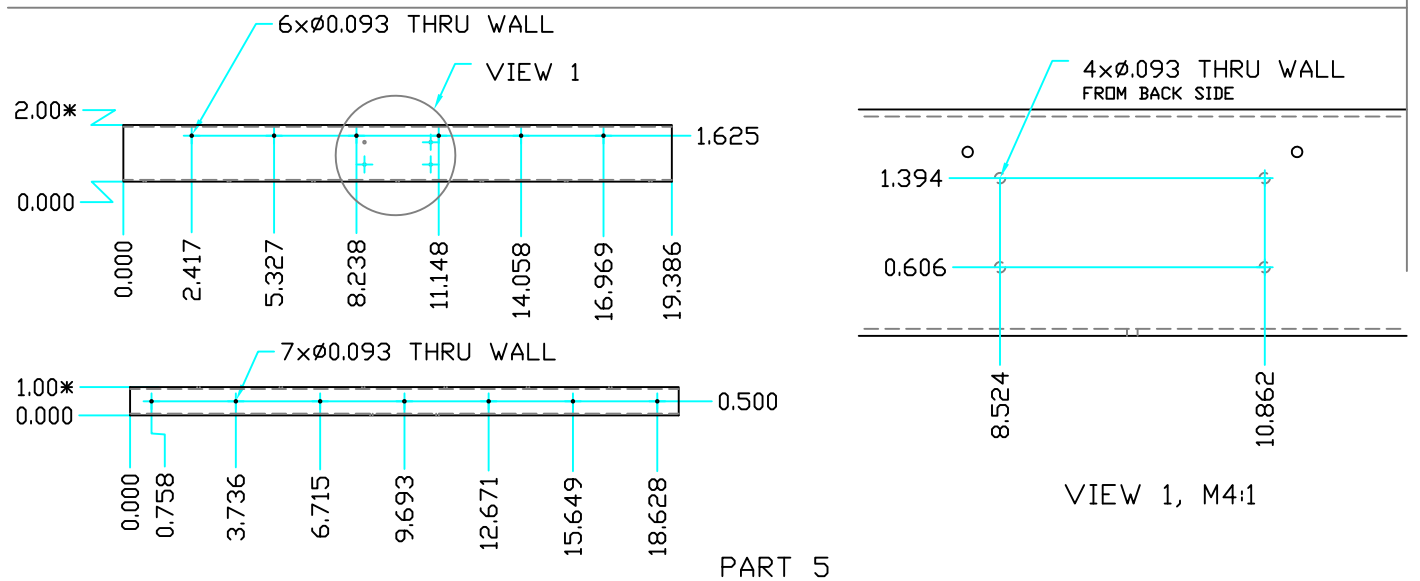


PART 4



PART 5

VIEW 1, M4:1

* REFERENCE ONLY

FIND/REF.#	QTY.	U.M.	PART NAME	MATERIAL	PART DESCRIPTION	REF. SHEET/DWG.
5	4	EA	PART 5	ALUMINUM 6063	ARCHITECTURAL RECTANGULAR TUBE 1"H x 2"W x 1/16"WT	103.00.01.02_05
4	4	EA	PART 4	ALUMINUM 6063	ARCHITECTURAL RECTANGULAR TUBE 1"H x 2"W x 1/16"WT	103.00.01.02_04
3	1	EA	PART 3	ALUMINUM 6063	ARCHITECTURAL RECTANGULAR TUBE 1"H x 2"W x 1/16"WT	103.00.01.02_03
2	1	EA	PART 2	ALUMINUM 6063	ARCHITECTURAL RECTANGULAR TUBE 1"H x 2"W x 1/16"WT	103.00.01.02_02
1	2	EA	PART 1	ALUMINUM 6063	ARCHITECTURAL RECTANGULAR TUBE 1"H x 2"W x 1/16"WT	103.00.01.02_01

PARTS LIST

UNLESS OTHERWISE SPECIFIED:

1. DIMENSIONS ARE IN INCHES.
2. MACHINE SURFACES TO BE FLAT, SQUARE, PARALLEL & CONCENTRIC WITHIN .001 FOR 5 INCHES OR .001 TIR AS APPLICABLE.
3. MARK ALL DETAILS (EXEMPT COMMERCIAL PARTS) WITH DWG. & ITEM NUMBER.
4. BREAK ALL SHARP CORNERS .01 x 45° CHAMFER.
5. FILLETS SHOWN SHARP = .04 RAD.
6. TAPPED HOLES: UNIFIED CLASS 2B THREAD, MIN DEPTH 1.5 x DIA.
7. C'SINK BORED & REAMED HOLES 1/16 x 45°.
8. CENTERS PERMISSIBLE.
9. DO NOT SCALE DRAWING.
10. ALL WELDING TO CONFORM TO LATEST A.W.S. STANDARDS

PERMISSIBLE VARIATION IN INCH DIMENSIONS WITHOUT TOLERANCES

FABRICATION TOLERANCES		MACHINING TOLERANCES			
BELOW 12	±0.10	DECIMAL PLACES	X & X.X	X.XX	X.XXX
12 TO 60	±0.13	BELOW 18	±0.015	±0.010	±0.005
60 TO 180	±0.20	18 TO 48	±0.030	±0.020	±0.010
OVER 180	±0.30	OVER 48	±0.045	±0.030	±0.015
ANGLE TOLERANCE ±0.5°		ANGLE TOLERANCE ±0.1°			

SURFACE TEXTURE 125

TOLERANCES ARE NOT ACCUMULATIVE

NEXT ASSY	QTY

DRAWING INFORMATION	NAME	DATE
DRAWN	AD	01.24.18
CHECKED	KH	
APPROVED	KH	

OSI

Open Source Instruments Inc.

TITLE: FARADEY ENCLOSURE, FE3S FRAME

SIZE	SCALE
D	1:5
PROJECT NUMBER	
103	
DRAWING NUMBER	
103.00.01.02	
SHEET	REVISION
1 OF 1	B