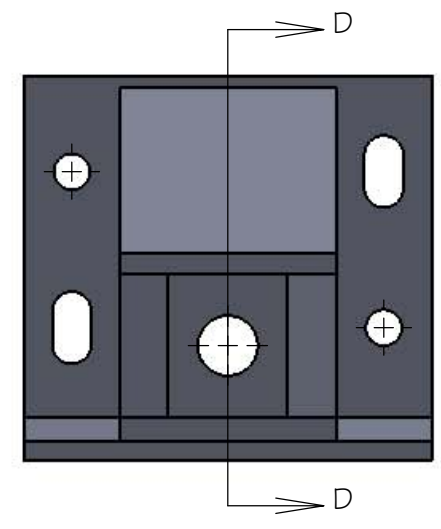
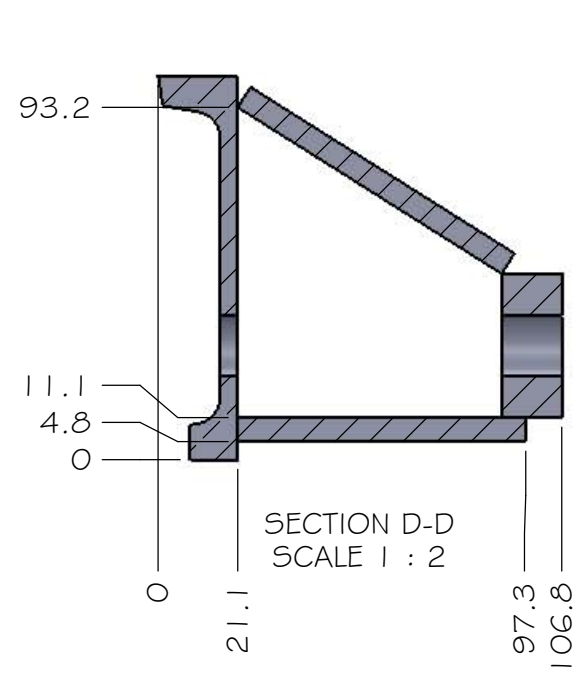
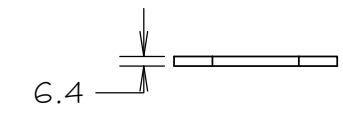
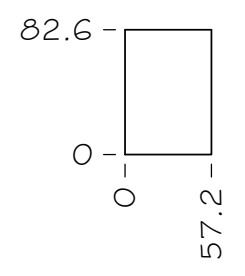
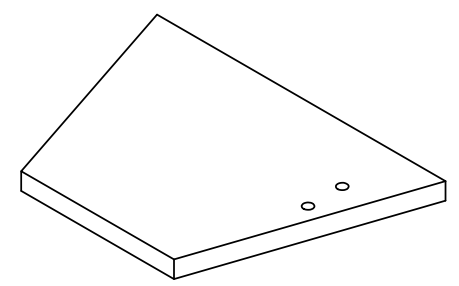
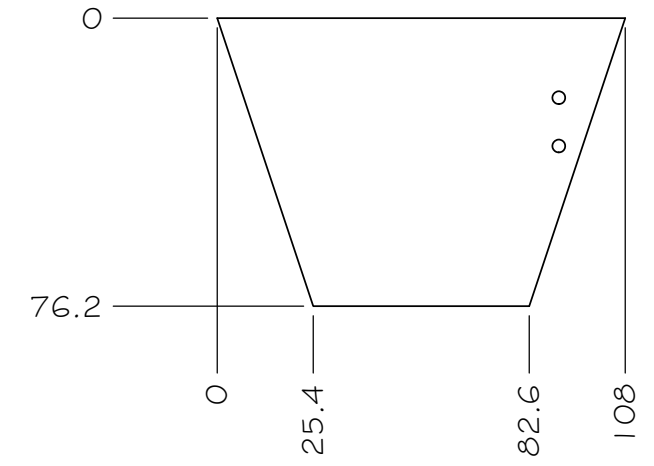
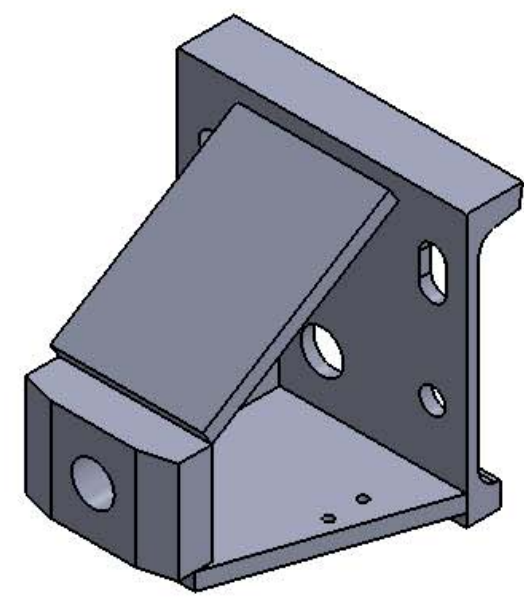
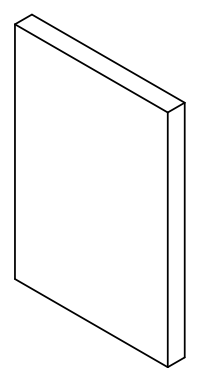
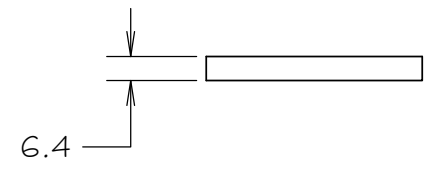


REVISIONS				
DRWN	DATE	CHK'D	REV	DESCRIPTION
CR	2FEB15		A	PRELIMINARY RELEASE
CR	25MAR15		B	RELEASE
CR	3APR15		C	MODIFIED NOTES/TOLERANCES

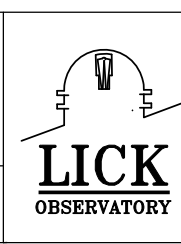


ITEM 11: 4 to 5mm WELD BEADS AS SHOWN  
DO NOT WELD TO OUTER DRUM, TO BE BOLTED TO OUTER DRUM ON SITE AT KECK TELESCOPE

**NOTES**

- ITEMS 11 AND 12 CAN BE WELDMENTS OR MACHINED OR A COMBINATION OF BOTH
- INTERPRET GEOMETRIC TOLERANCES AND DIMENSIONS PER ASME Y 14.5 -2009
- EQUIVALENT STEEL TO A36 STEEL MUST MATCH COEFFICIENT OF THERMAL EXPANSION, AND MODULUS OF ELASTICITY TO WITHIN 5%, YIELD STRESS MUST EXCEED THAT OF A36.
- ITEMS 1 AND 6 CAN BE FABRICATED FROM A SINGLE ROLLED PLATE OR WELDED AS SHOWN IN DRAWING
- ALL COMPONENTS TO BE WELDED ON ALL SIDES WHERE POSSIBLE FOR MAXIMUM STIFFNESS
- DO NOT WELD ITEM 11 ONTO WELDMENT, WILL BE ATTACHED WITH BOLTS AT KECK 1 AS WILL ALL 6 OF ITEM 13
- DIMENSION OF 1218MM AND 1205MM ON PAGE 2 ARE TBD DEPENDING ON BEARING SUPPLIERS ABILITY TO TOOL TO THESE DIMENSIONS

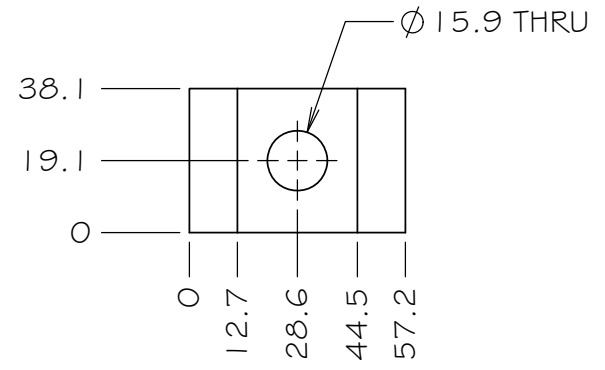
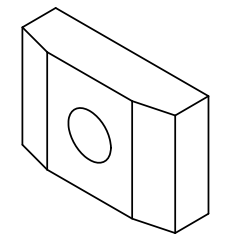
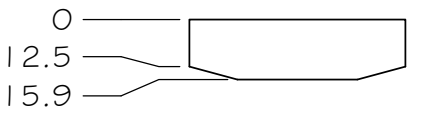
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN MILLIMETERS & TOLERANCES ARE AS FOLLOWS: X: ±0.25mm XX: ±0.10 mm XXX: ±0.01 mm	
ANGLES: ±0.5° FINISH: 3 MICRONS (µm) BREAK ALL SHARP EDGES & CORNERS .25mm MAX	
MATERIAL	FINISH
ASTM A36 STEEL OR EQUIV.	--



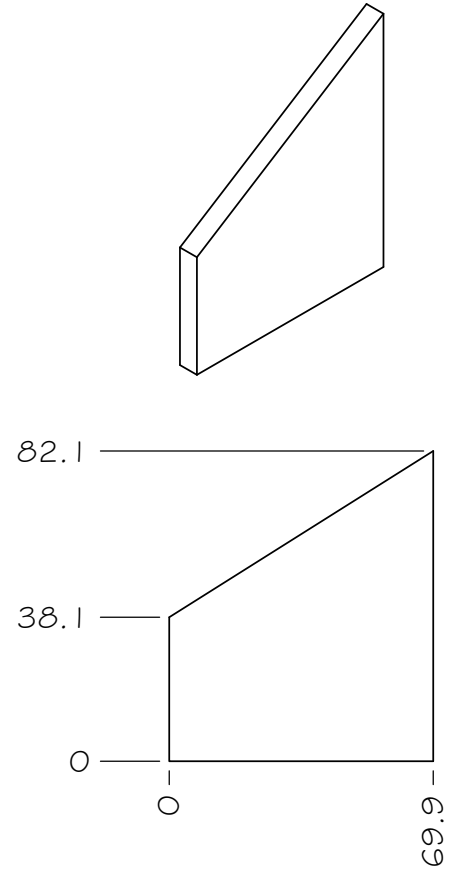
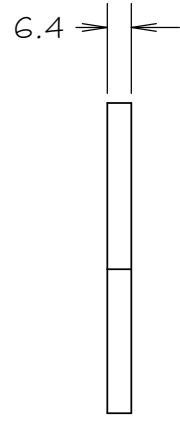
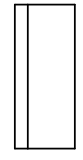
DRAWN	C. RATLIFF	KECK 1 DEPLOYABLE TERTIARY MIRROR	
CHECKED		OUTER DRUM/DEFINING POINTS	
DESIGNED		TITLE	SEISMIC RESTRAINT, OUTER DRUM WELDMENT
DATE	4/17/15	PROJECT CODE	TBD
ENGINEER		DWG NO	KDM3101
SW DOCUMENT FILE	875-LM3101 seismic restraint.SLDASM	QUANTITY	1
NEXT ASSY	--	REV	A
			1/2

8 7 6 5 4 3 2 1

D  
C  
B  
A



ITEM 11B: QTY 1



ITEM 11C: QTY 2

NOTES:  
 1. IF ITEMS 11A AND 11B ARE DRILLED PRIOR TO WELDING, THEY SHOULD BE CONCENTRIC TO 0.25MM  
 2. ITEM 11A IS INTENDED TO BE MACHINED FROM STANDARD STRUCTURAL STEEL CHANNEL (C4)

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN MILLIMETERS * TOLERANCES ARE AS FOLLOWS: X: ±0.25mm XX: ±0.10mm XXX: ±0.01mm			DRAWN	C. RATLIFF	KECK 1 DEPLOYABLE TERTIARY MIRROR	
ANGLES: ±0.5° FINISH: 3 MICRONS (µm) BREAK ALL SHARP EDGES & CORNERS .25mm MAX			CHECKED		OUTER DRUM/DEFINING POINTS	
MATERIAL		DESIGNED	4/17/15	TITLE		SEISMIC RESTRAINT, OUTER DRUM WELDMENT
FINISH		ENGINEER		PROJECT CODE	TBD	DWG NO
ASTM A36 STEEL OR EQUIV.	--	SW DOCUMENT FILE	875-LM3101 seismic restraint.SLDASM	QUANTITY	1	NEXT ASSY
					--	KDM3101
						REV
						A
						2
						2

8 7 6 5 4 3 2 1