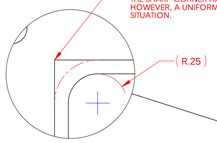
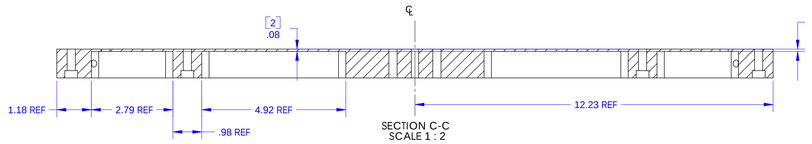
REV.	DATE	DCN #	DRAWING TREE #

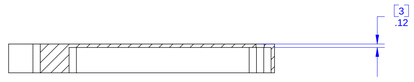
E.G. SHARP CORNERS CAN BE REPLACED WITH APPROPRIATE RADIUS IF NECESSARY FROM A MACHINING PERSPECTIVE. THE SHARP CORNER HAS NO FUNCTIONAL SIGNIFICANCE. HOWEVER, A UNIFORM WALL THICKNESS SHOULD BE MAINTAINED IN SUCH A SITUATION.



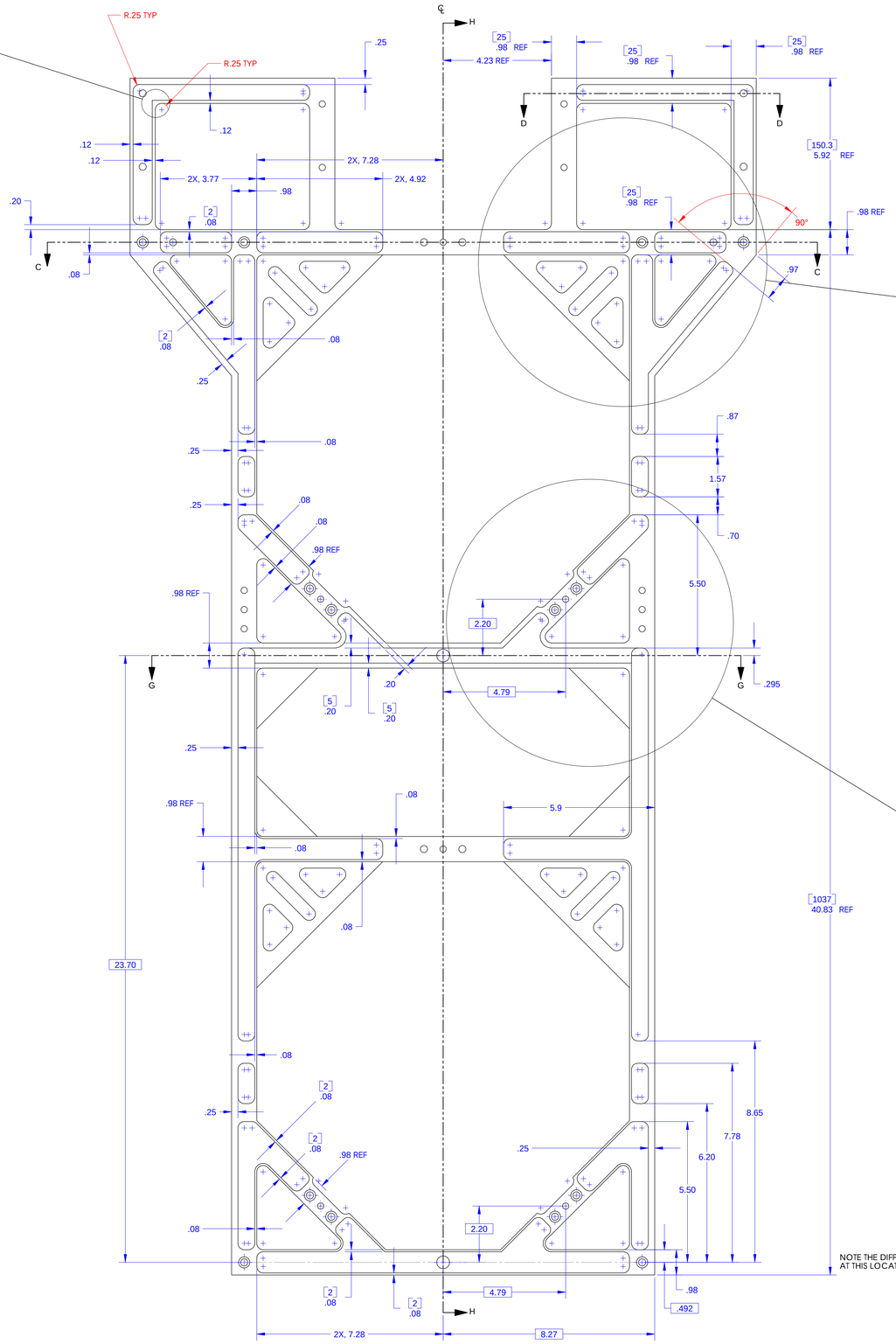
DETAIL J
SCALE 2 : 1

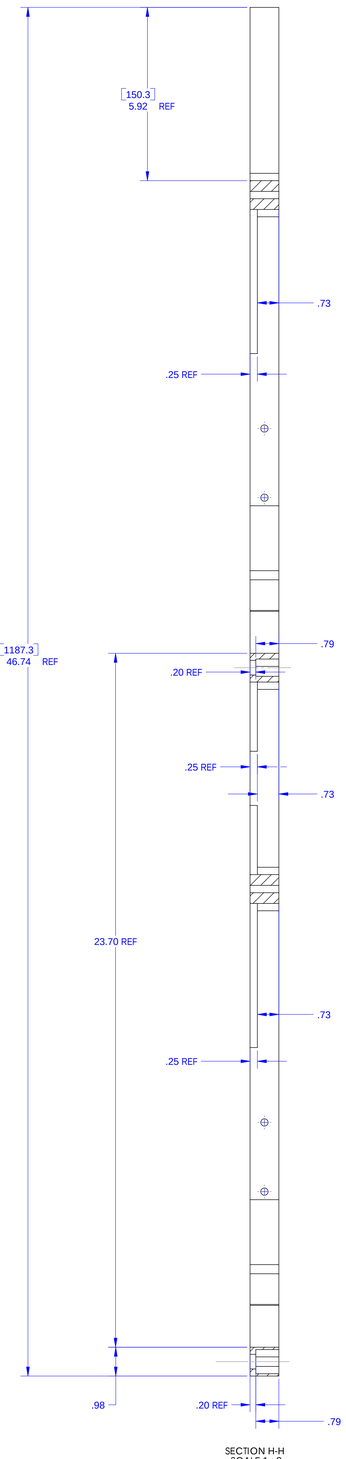


SECTION C-C
SCALE 1 : 2

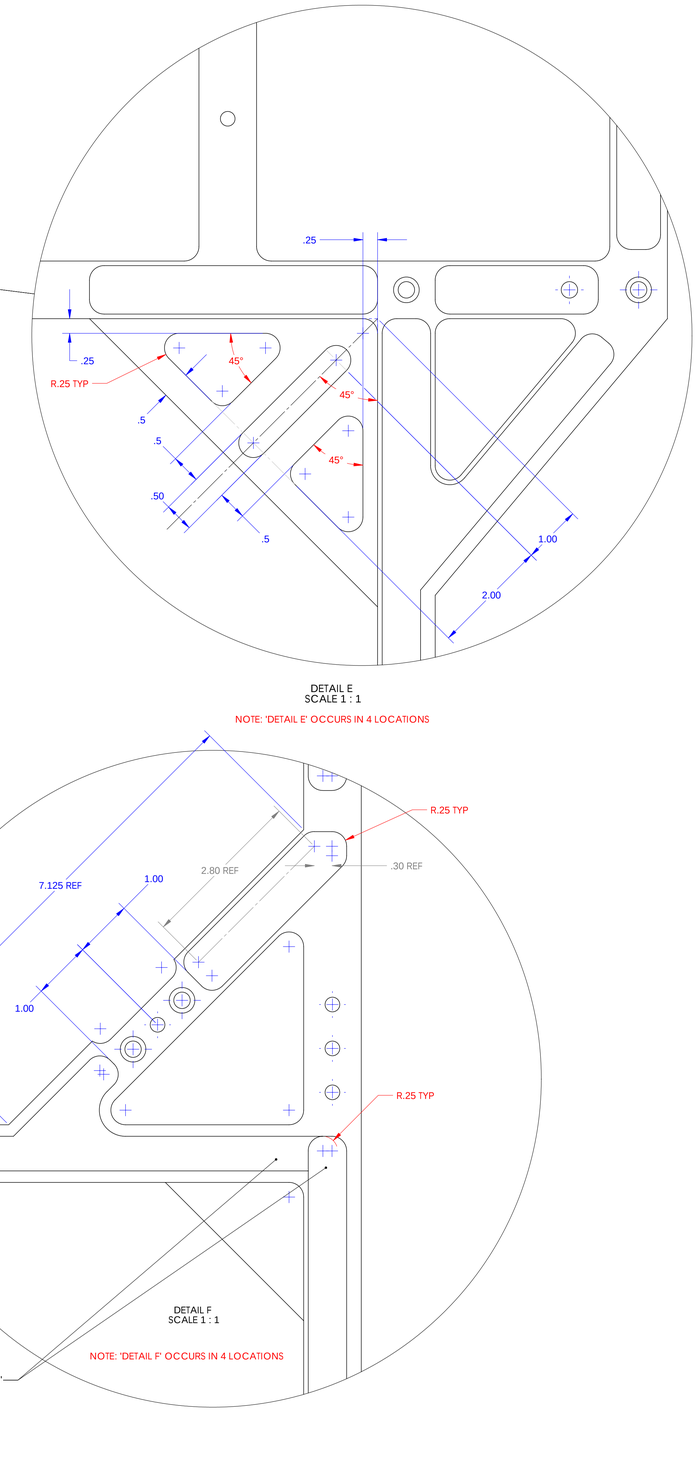


SECTION D-D
SCALE 1 : 2



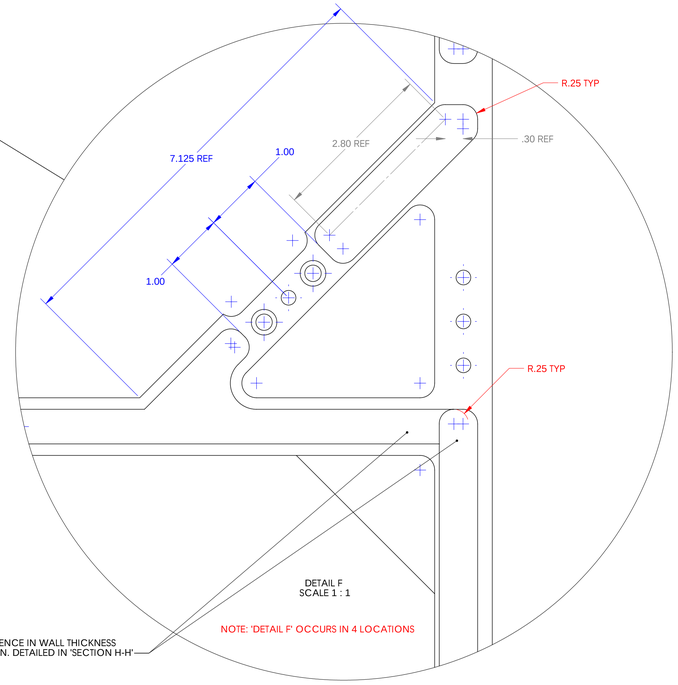


SECTION H-H
SCALE 1 : 2



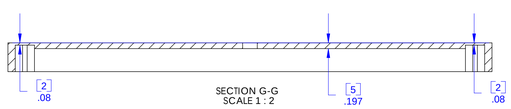
DETAIL E
SCALE 1 : 1

NOTE: 'DETAIL E' OCCURS IN 4 LOCATIONS



DETAIL F
SCALE 1 : 1

NOTE: 'DETAIL F' OCCURS IN 4 LOCATIONS



SECTION G-G
SCALE 1 : 2

PARTS LIST

GENERAL NOTES: (UNLESS OTHERWISE SPECIFIED)

1. DO NOT SCALE FROM DRAWING.
2. REMOVE ALL SHARP EDGES, R.02 MIN.
3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE.
4. SCRIBE, ENGRAVE OR MECHANICALLY STAMP DRAWING (NO INKS OR DYES) PART NUMBER, REVISION ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALL CHARACTERS. A VIBRATORY TOOL MAY BE USED. EXAMPLE: D050035-A1 S/N 001
5. THE COMPONENT IS SYMMETRIC ABOUT THE ℄
6. DUAL DIMENSIONS (MILLIMETERS) APPEAR IN SQUARE BRACKETS[ ], PRIMARILY FOR ADVANCED LIGO TECHNICAL REFERENCE
7. BACKGROUND INFORMATION:
INITIAL DISCUSSIONS WITH MACHINISTS AT CALTECH INICATED THAT WATER JET CUTTING WOULD BE USED TO ACHIEVE THE BASIC SHAPES, THEN ANY FINISHING WOULD BE DONE BY MILLING WITH A R.25" CUTTER.

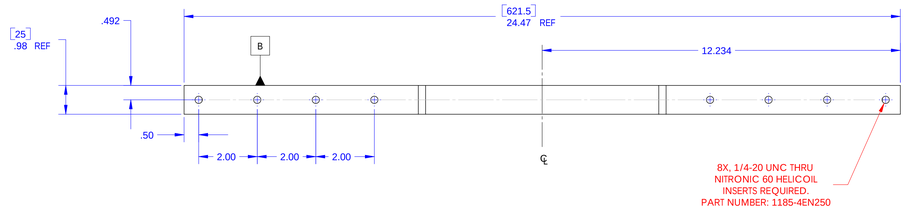
DIMENSIONS ARE IN INCHES
TOLERANCES:
X ± 0.05
.XX ± 0.05
.XXX ± 0.005
ANGULAR ± 0.1 °

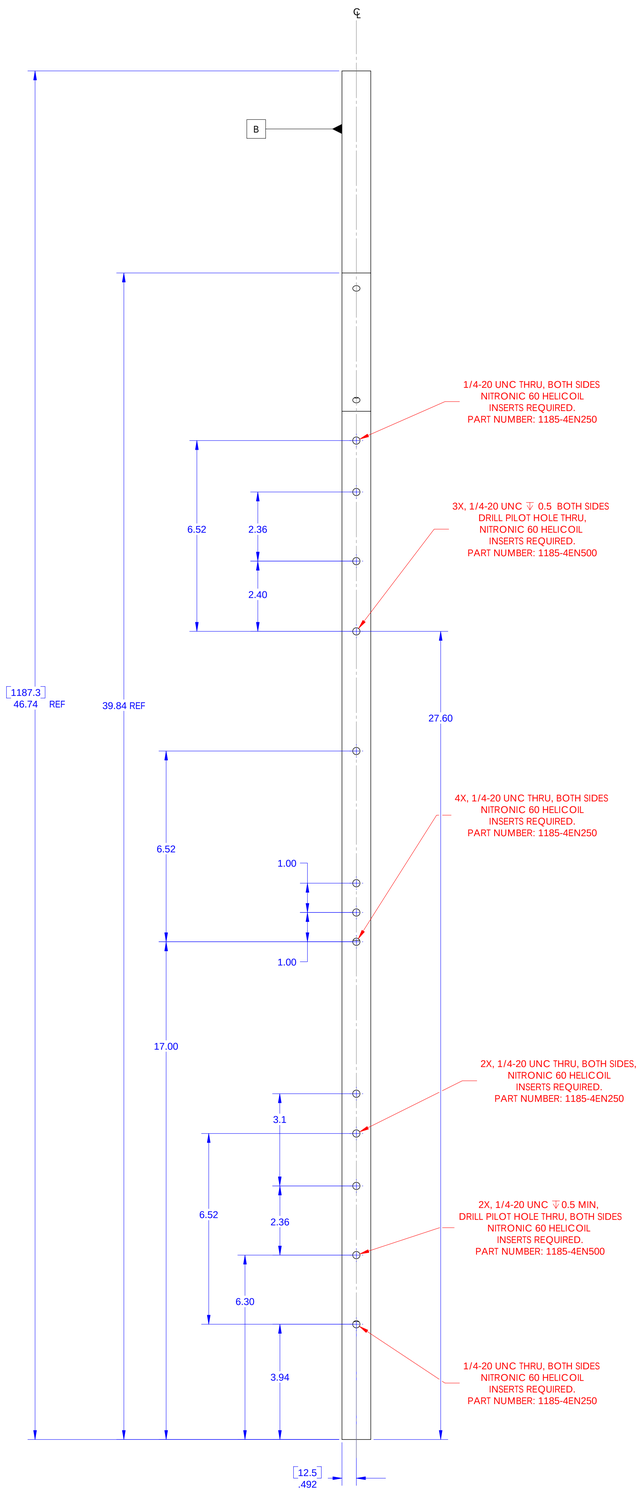
	NAME	DATE
DRAWN	RAZ	04/06
CHECKED	WPL	15-04/05
APPROVED		

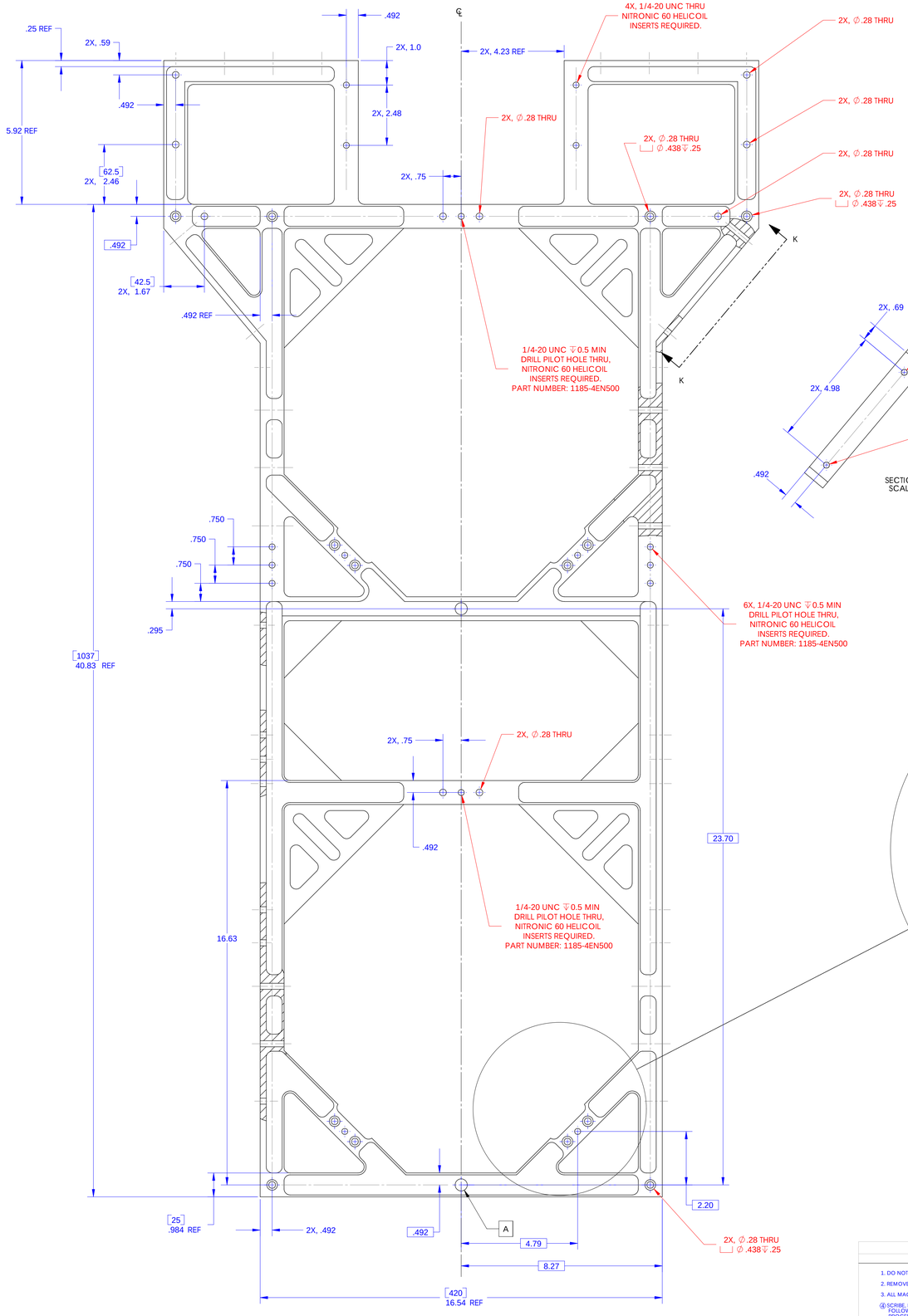
LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, IGR, GLASGOW UNIVERSITY GEO 600 GROUP

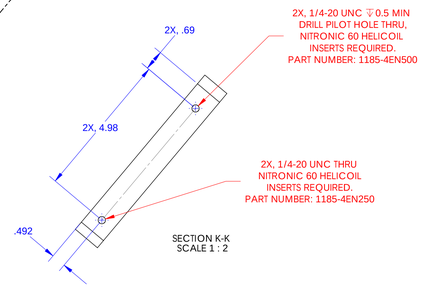
SYSTEM	ADVANCED LIGO
SUB-SYSTEM	SUS
NEXT ASSY	ASSEMBLY RIG_SINGLE CATCHER
PART NAME	FACEPLATE
MATERIAL	6061-T6 Al
FINISH	32 µ inch
SIZE	E
DWG. NO.	D050035
REV.	A
SCALE: 1:4	PROJECTION:
SHEET 2 OF 3	

REV.	DATE	DCN #	DRAWING TREE #

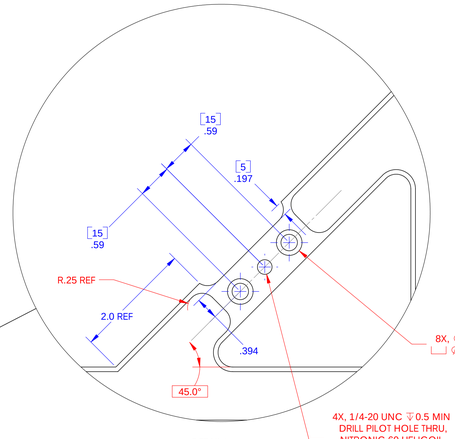








SECTION K-K
SCALE 1 : 2



DETAIL L
SCALE 1 : 1

PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)

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2. REMOVE ALL SHARP EDGES, R.02 MIN.
3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE.
4. SCRIBE, ENGRAVE OR MECHANICALLY STAMP DRAWING (NO INKS OR DYES) PART NUMBER, REVISION ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALL CHARACTERS. A VIBRATORY TOOL MAY BE USED. EXAMPLE: D050035-A1 S/N 001
5. THE COMPONENT IS SYMMETRIC ABOUT THE ℄
6. DUAL DIMENSIONS (MILLIMETERS) APPEAR IN SQUARE BRACKETS[ ], PRIMARILY FOR ADVANCED LIGO TECHNICAL REFERENCE
7. BACKGROUND INFORMATION:
INITIAL DISCUSSIONS WITH MACHINISTS AT CALTECH INICATED THAT WATER JET CUTTING WOULD BE USED TO ACHIEVE THE BASIC SHAPES, THEN ANY FINISHING WOULD BE DONE BY MILLING WITH A R.25" CUTTER.

DIMENSIONS ARE IN INCHES
TOLERANCES
FRACT ± 1/32
XX ± 0.03
.XXX ± 0.005
ANGULAR± 0.1 °

	NAME	DATE
DRAWN	RAJ	04/05
CHECKED	MPL	05/04/05
APPROVED		

MATERIAL: 6061-T6 Al
FINISH: 32 μ inch

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, HOE, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM: ADVANCED LIGO
SUB-SYSTEM: SUS
NEXT ASSY: ASSEMBLY RIG_SINGLE CATCHER
PART NAME: FACEPLATE
SIZE: E | DWG. NO.: D050035 | REV.: A
SCALE: 1:4 | PROJECTION:
SHEET 3 OF 3