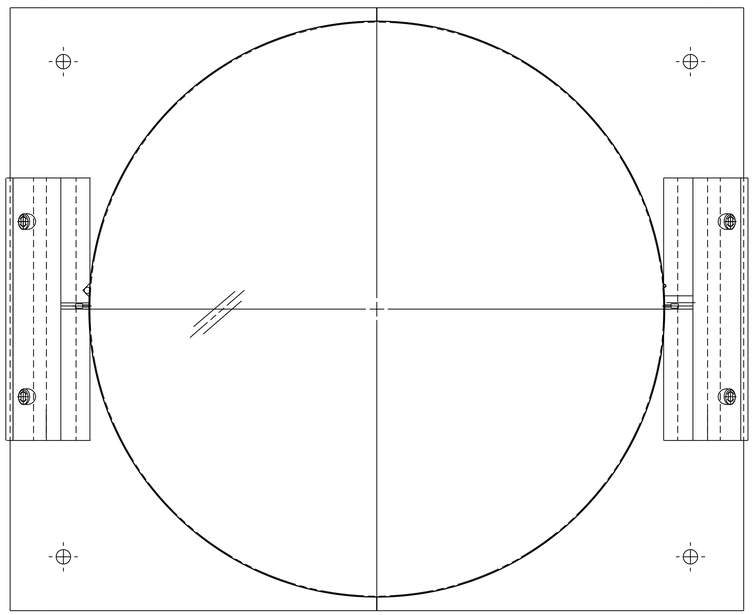
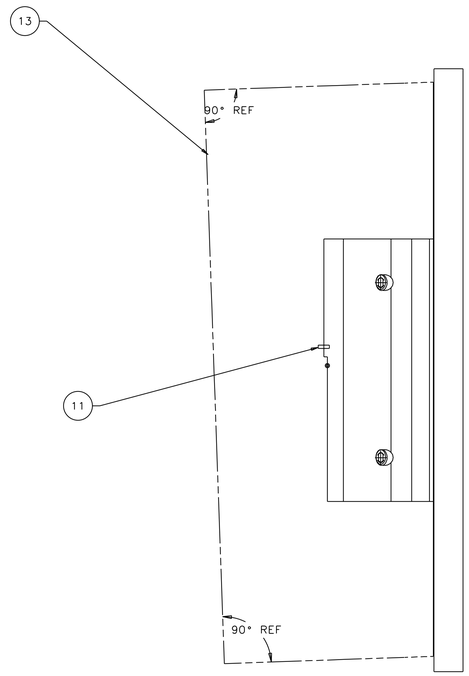
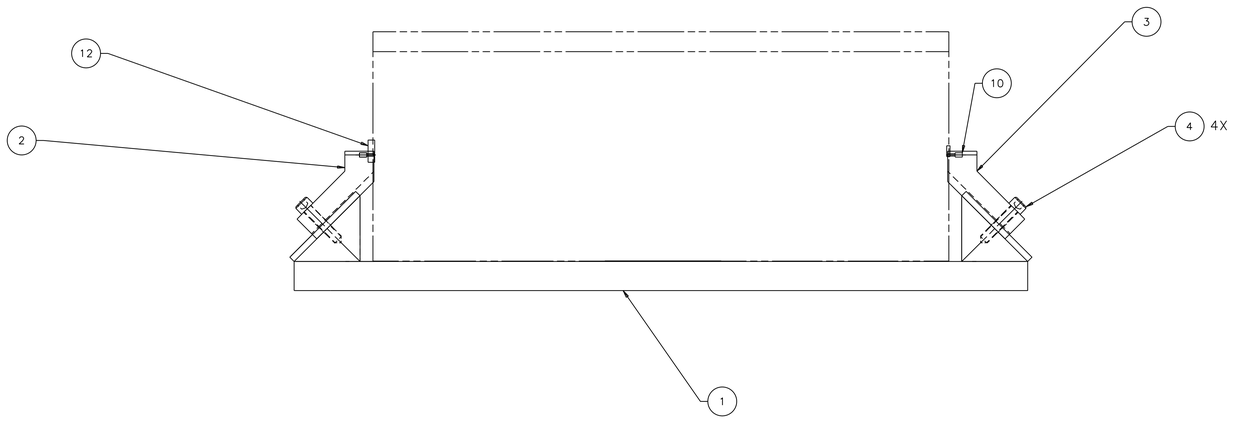
NOTES: (UNLESS OTHERWISE SPECIFIED)
1. THIS FIXTURE IS TO BE USED WITH AN OPTIC THAT IS ø9.84" X 3.94" THICK (ø25cm x 10cm THICK) WITH A 2 DEGREE, THICK-SIDE-UP ORIENTED WEDGE.
2. CLOSE SLIP FIT.
3. THE RIGHT BLOCK, TOP IS USED TO MOUNT THE GUIDE ROD AND THE LEFT BLOCK, TOP IS USED TO MOUNT THE WIRE STANDOFF.
4. USE OF THIS FIXTURE IS COVERED IN LIGO-E970154.
5. SPECIFICATIONS COVERING THE FABRICATION OF THIS ASSEMBLY ARE DETAILED IN LIGO-E970155, THE LARGE OPTIC SUSPENSION (LOS) FIXTURES AND COMPONENTS FABRICATION SPECIFICATION.

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	2/13/98	J. Hazel			E980016/INITIAL RELEASE
B	8-14-98	J. Romie			E980227/SEE DCN
C	9-22-98	J. Romie			E980249/ADD HOLES ON BASE







QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPCIFICATION	ITEM NO
REF		OPTIC		13
REF		WIRE STANDOFF		12
REF		GUIDE ROD		11
REF		MAGNET/STANDOFF ASSEMBLY		10
				9
				8
				7
				6
				5
4		SCREW, SHCS, #8-32 x .75	STAINLESS STEEL	4
1	DETAIL, SHEET 3	RIGHT BLOCK, TOP		3
1	DETAIL, SHEET 3	LEFT BLOCK, TOP		2
1	DETAIL, SHEET 2	BASE PLATE		1

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
0.XX=±0.01
0.XXX=±0.005
ANGLES=±0.5°
DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN	J. Hazel	5/96
CHECKED		

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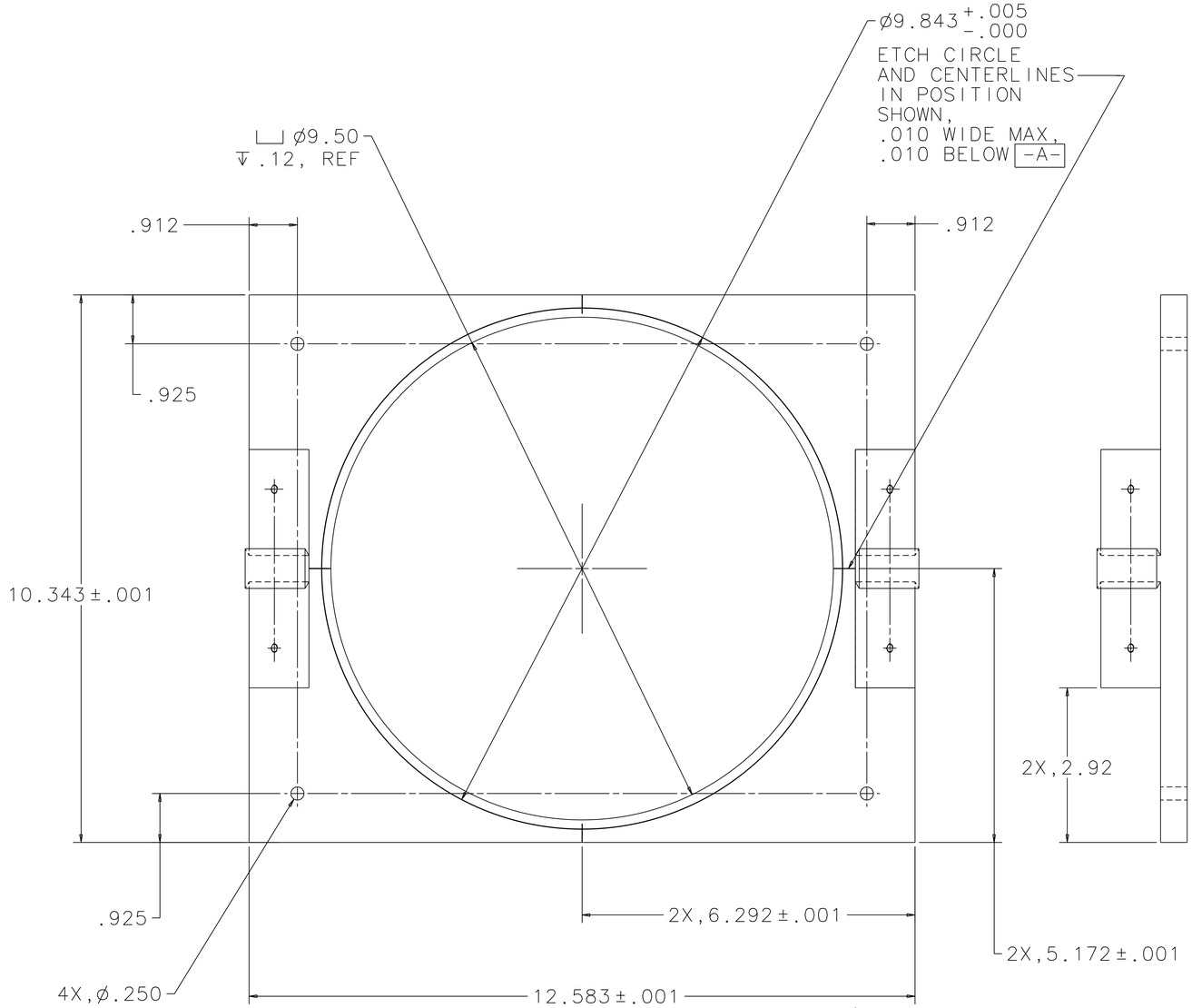
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

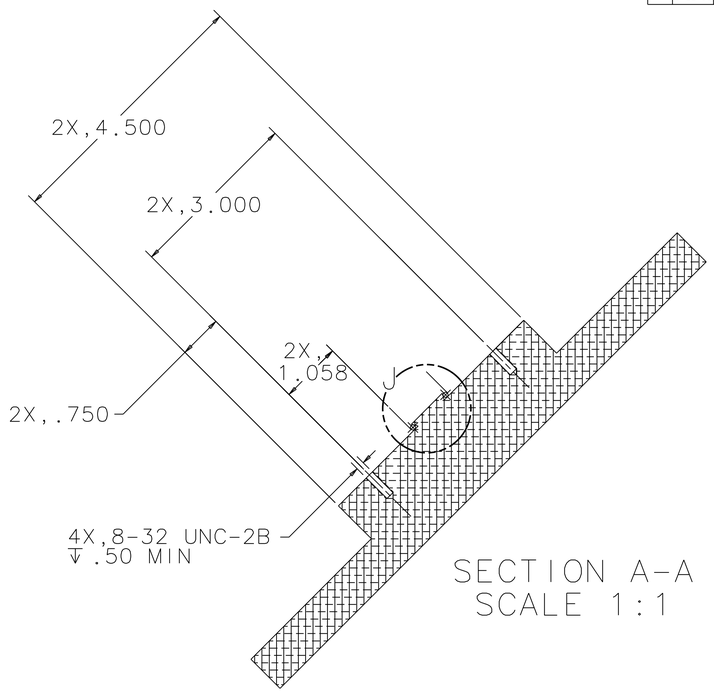
TITLE: GUIDE ROD FIXTURE

NEXT ASSEMBLY	MATERIAL
D960132,D970560,D970507	
FILE LOCATION	FINISH
/home/dcc/docs/D960147.pdf	

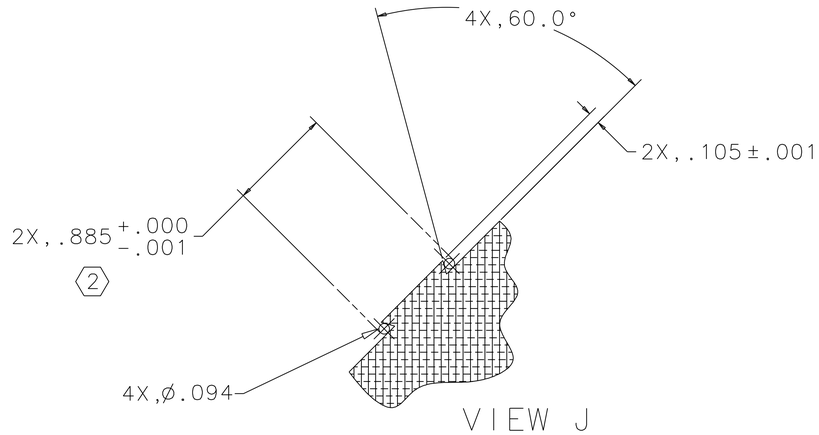
SIZE E | D960147 | REV C
SCALE 1/1 | SHEET 1 OF 3

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	2/13/98	J. Hazel			E980016/INITIAL RELEASE
B	8-14-98	J. Romie			E980227/SEE DCN
C	9-22-98	J. Romie			E980249/ADD HOLES TO BASE

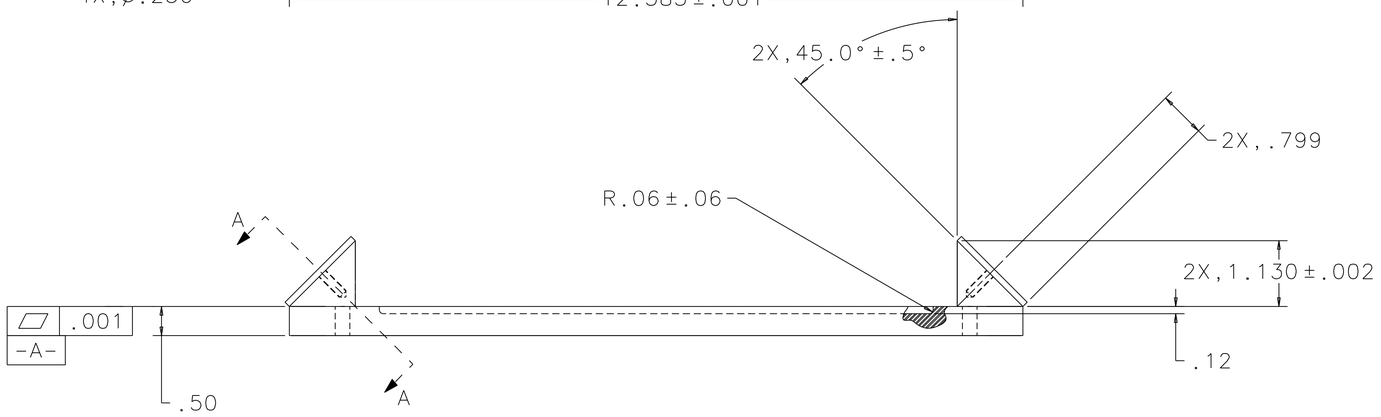




SECTION A-A
SCALE 1:1



VIEW J
SCALE 2:1



BASE PLATE

MATERIAL: 6061-T6 ALUM

QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPCIFICATION	ITEM NO
PARTS LIST				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
0.XX=±0.01
0.XXX=±0.005
ANGLES=±0.5°
DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN J. Hazel	5/96
CHECKED	

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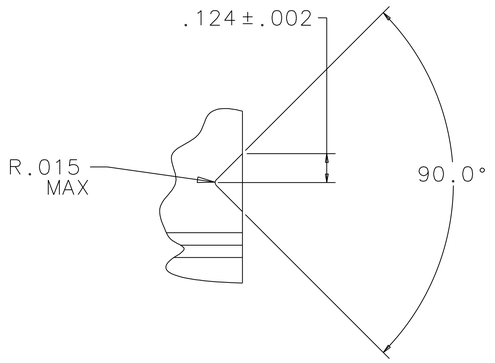
TITLE: GUIDE ROD FIXTURE

NEXT ASSEMBLY	MATERIAL
FILE LOCATION	FINISH

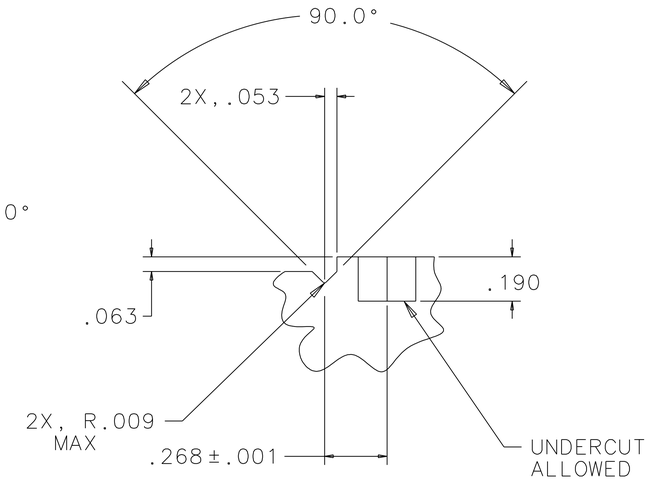
SIZE E | D960147 | REV C

SCALE 1/1 | SHEET 2 OF 3

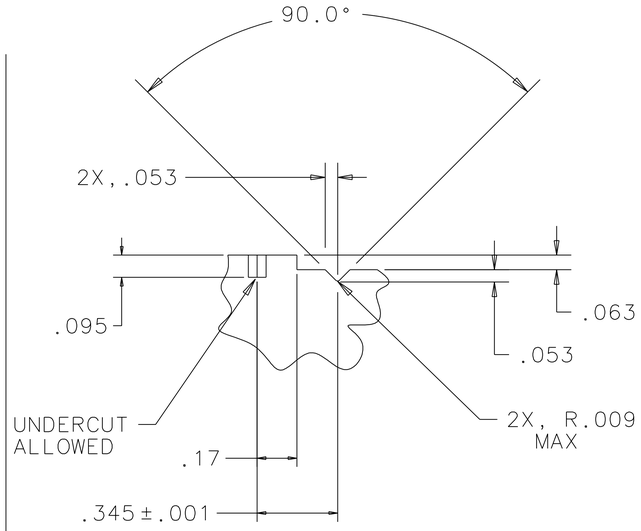
REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	2/13/98	J. Hazel			E980016/INITIAL RELEASE
B	8-14-98	J. Romie			E980027/SEE DCN
C	9-22-98	J. Romie			E980249/ADD HOLES IN BASE



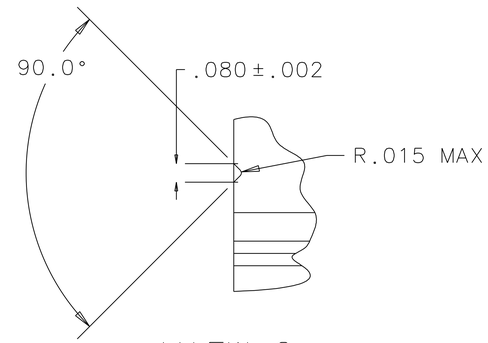
VIEW C
SCALE 4:1



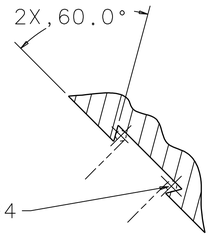
VIEW D
SCALE 4:1



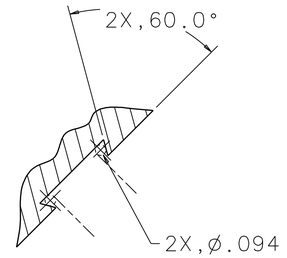
VIEW H
SCALE 4:1



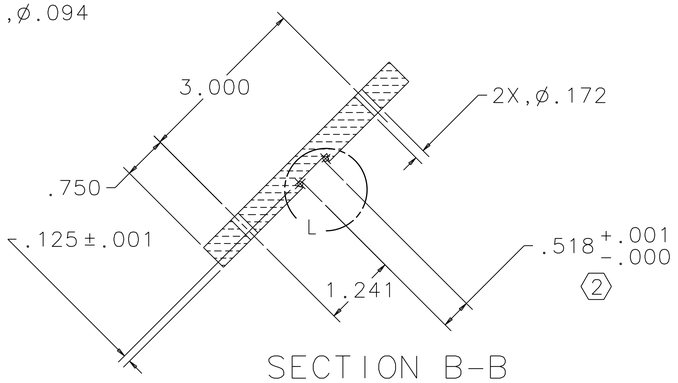
VIEW G
SCALE 4:1



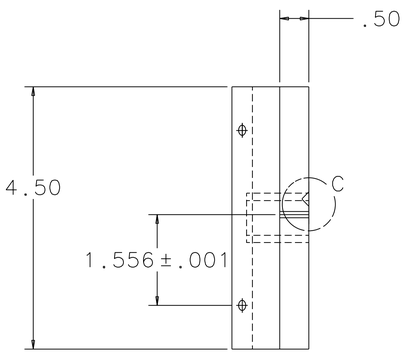
VIEW K
SCALE 2:1

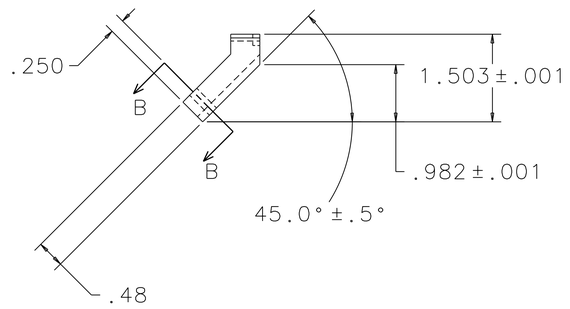


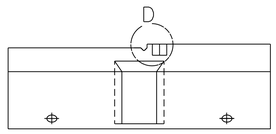
VIEW L
SCALE 2:1



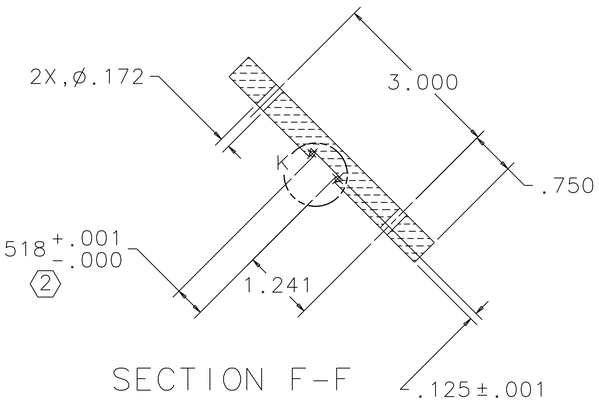
SECTION B-B



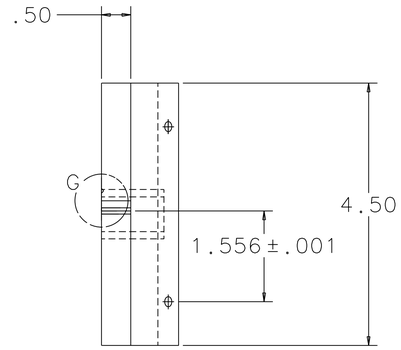


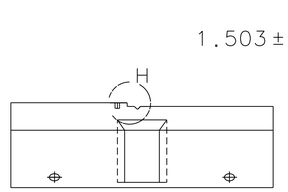


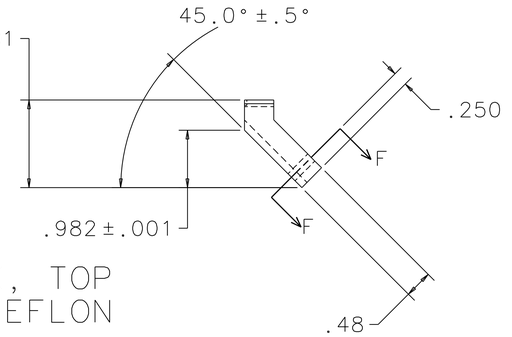
LEFT BLOCK, TOP
MATERIAL: TEFLON



SECTION F-F







RIGHT BLOCK, TOP
MATERIAL: TEFLON

QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPCIFICATION	ITEM NO.
PARTS LIST				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
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0.XX=±0.01
0.XXX=±0.005
ANGLES=±0.5°
DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN J. Hazel	5/96
CHECKED	

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE
GUIDE ROD FIXTURE

NEXT ASSEMBLY
MATERIAL
FILE LOCATION
FINISH

SIZE E | D960147 | REV C
SCALE 1/1 | SHEET 3 OF 3