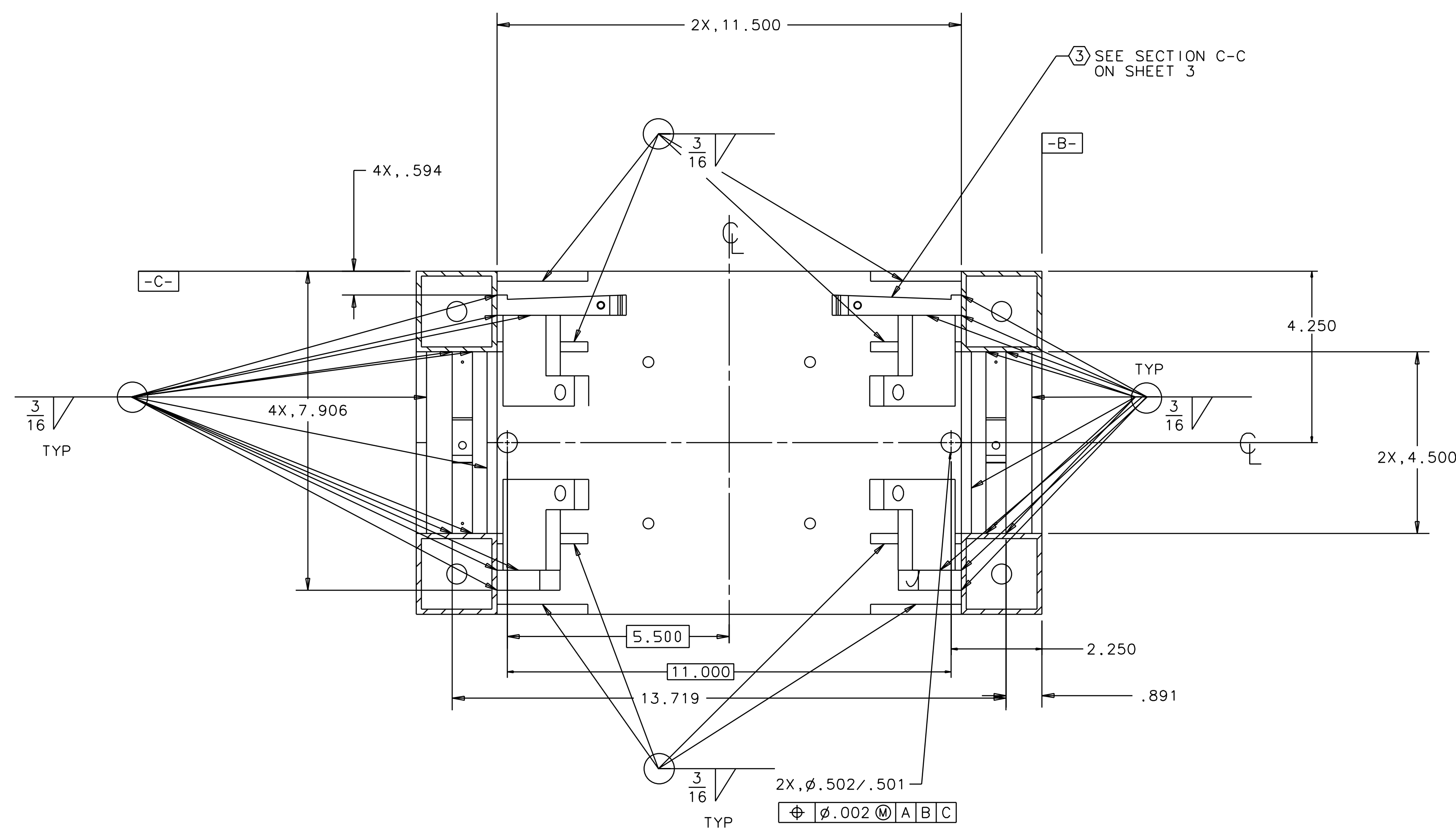
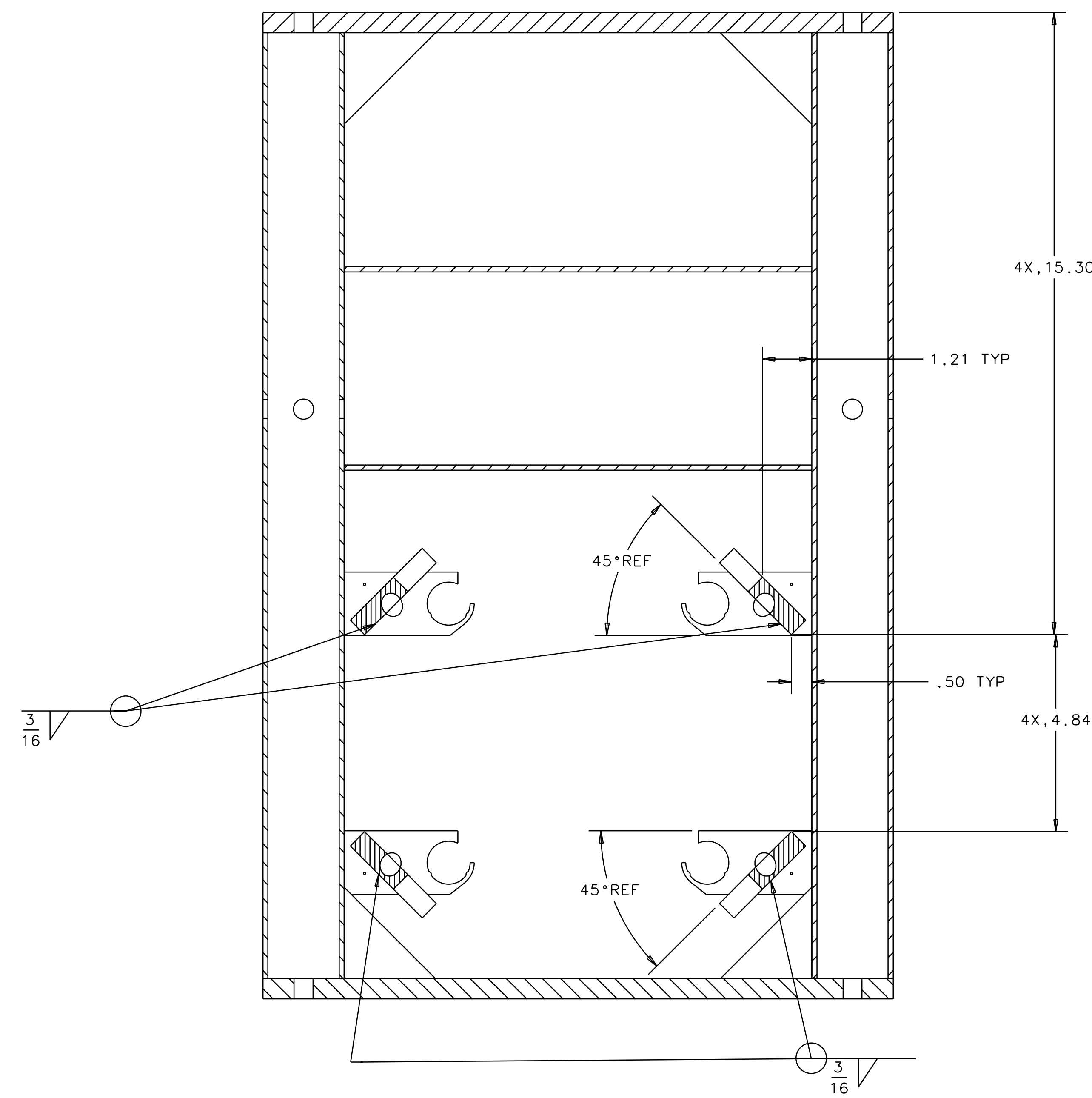


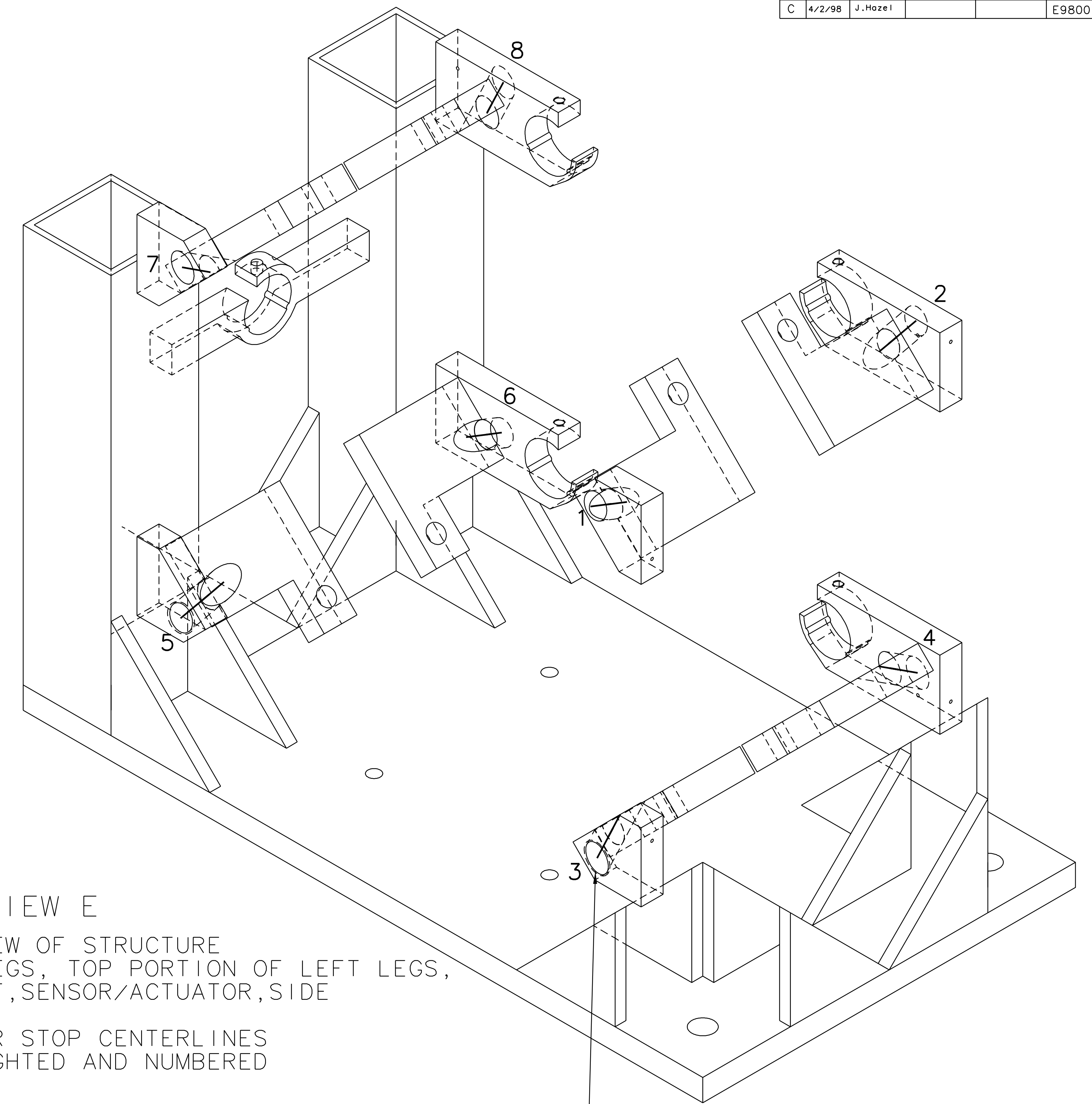
REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	1/19/98	J.Hazel			E980004/INITIAL RELEASE
B	2/5/98	J.Hazel			E980011/CHANGE TO NOTE 3 CHANGE TO SECTION A-A
C	4/2/98	J.Hazel			E980075/ADD SHEET 4



SECTION A-A



SECTION B-B



VIEW E
ISO VIEW OF STRUCTURE
WITHOUT: RIGHT LEGS, TOP PORTION OF LEFT LEGS,
RIGHT LOS BRACKET, SENSOR/ACTUATOR, SIDE
CHAMFER STOP CENTERLINES
HIGHLIGHTED AND NUMBERED

TABLE 1 CHAMFER STOP VECTORS

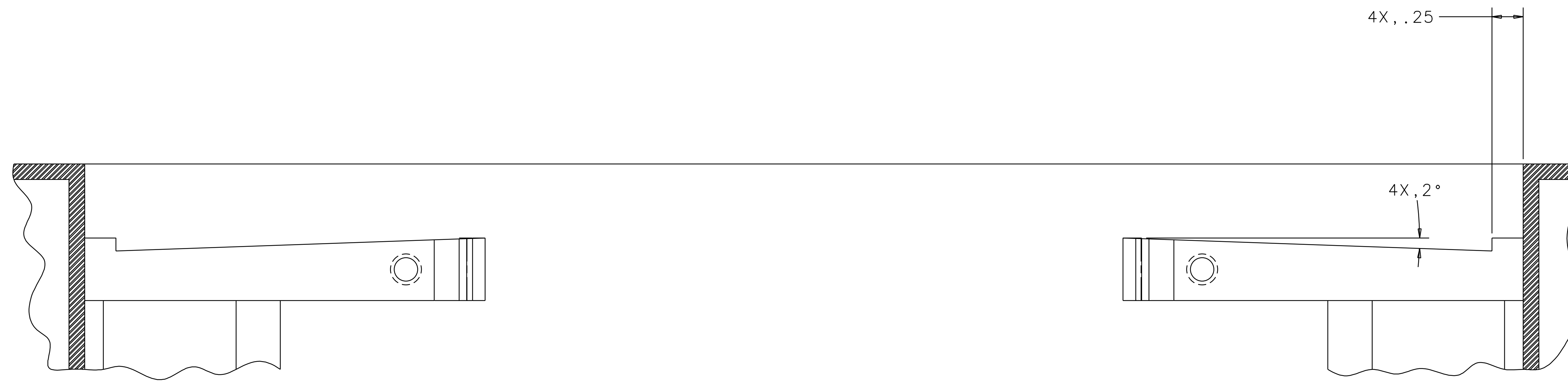
CHAMFER STOP NUMBER	START POINT	END POINT
1	-3.033, -14.332, 7.906	-3.525, -15.350, 6.068
2	-2.982, -14.088, 0.594	-3.525, -15.213, 2.627
3	-3.009, -21.295, 7.906	-3.525, -20.227, 5.975
4	-3.061, -21.041, 0.594	-3.525, -20.082, 2.330
5	-12.491, -21.295, 7.906	-11.975, -20.227, 5.975
6	-12.439, -21.041, 0.594	-11.975, -20.082, 2.330
7	-12.467, -14.332, 7.906	-11.975, -15.350, 6.068
8	-12.518, -14.088, 0.594	-11.975, -15.213, 2.627

START POINTS LIE ON A PLANE OF A BRACKET OF THIS ASSEMBLY.
ALL POINTS ARE REFERENCED FROM (0,0,0) OF COORDINATE SYSTEM
DESIGNATED ON ISO VIEW ON SHEET 1.

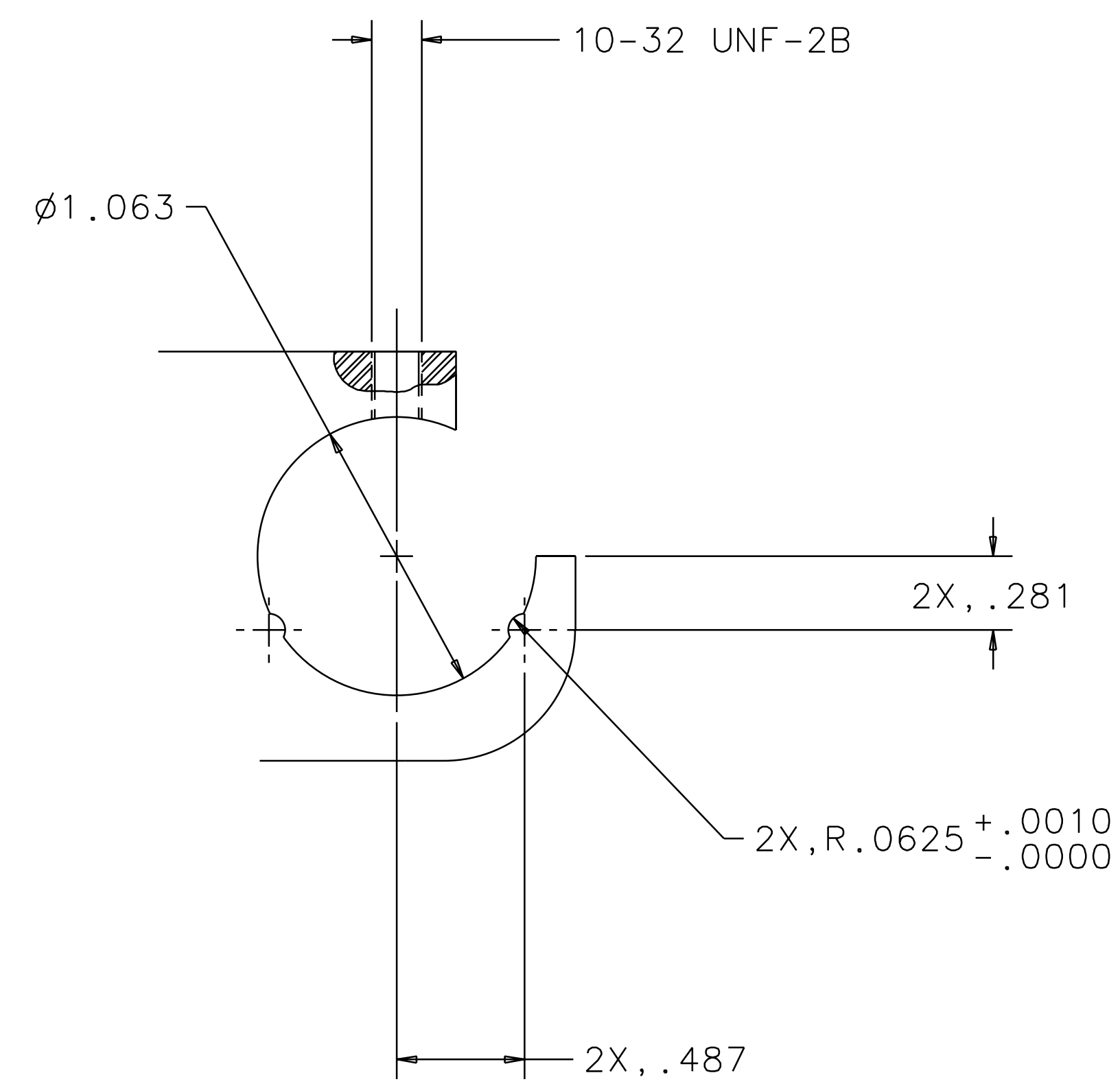
QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVALS	DATE	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
TOLERANCES ARE:		DRAWN J. Hazel 1/98		
FRACTIONS DECIMALS ANGLES		CHECKED		
. ±0.5°		TITLE RECYCLING MIRROR LOS STRUCTURE ASSEMBLY		
0.XX=±0.03		SIZE D970551		
0.XXX=±0.005		SCALE 1/2		
DO NOT SCALE DRAWING		SHEET 2 OF 4		
NEXT ASSEMBLY D970564, D970577		REV C		
FILE LOCATION home/dcc/docs/D970551.pdf		FINISH		

1 2 3 4 5 6 7 8

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	1/19/98	J.Hazel			E980004/INITIAL RELEASE
B	2/6/98	J.Hazel			E980011/CHANGE TO NOTE 3 CHANGE TO SECTION A-A
C	4/2/98	J.Hazel			E980075/ADD SHEET 4



SECTION C-C
FLY CUT DEFINED
IN NOTE ③

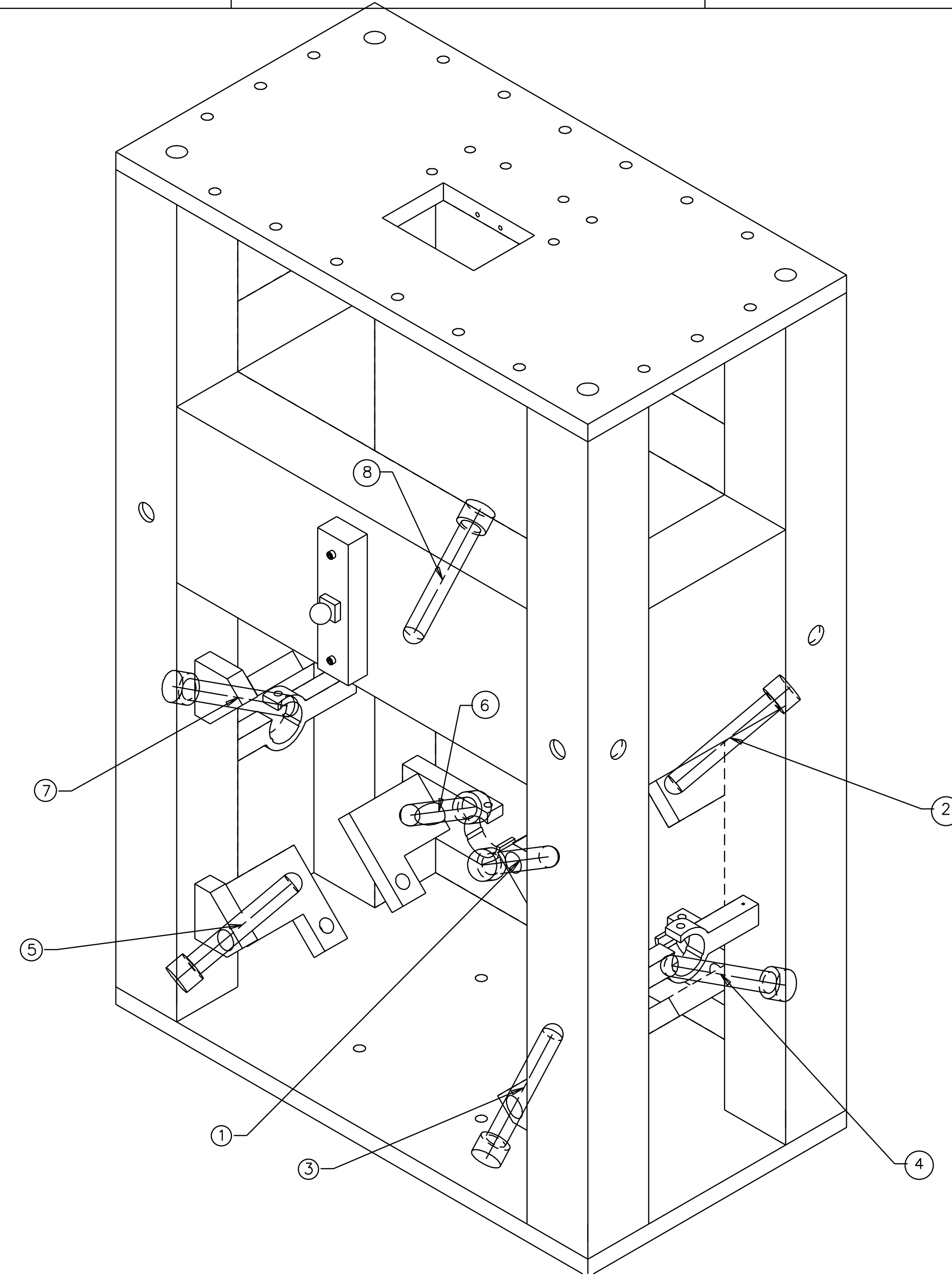
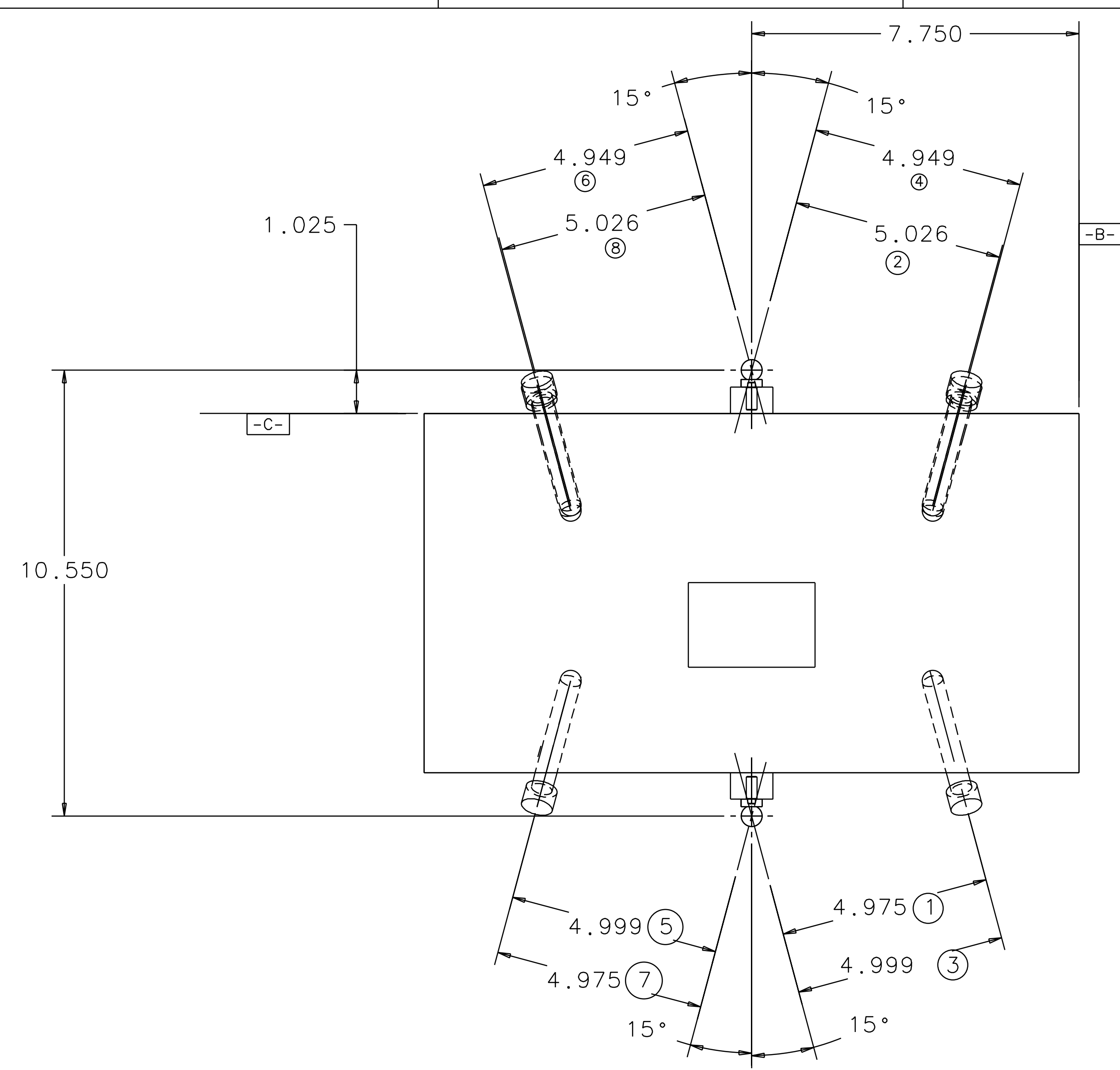


VIEW D ②
SCALE 4/1
TYPICAL 6 PLACES

QTY REQ	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES "0.5"		APPROVALS	DATE	TITLE
0.XX=±0.03 0.XXX=±0.005 DO NOT SCALE DRAWING		DRAWN J. Hazel	1/98	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
NEXT ASSEMBLY D970564, D970577		CHECKED		RECYCLING MIRROR LOS STRUCTURE ASSEMBLY
FILE LOCATION home/dcc/docs/D970551.pdf				SIZE E D970551
				SCALE 1/2 SHEET 3 OF 4

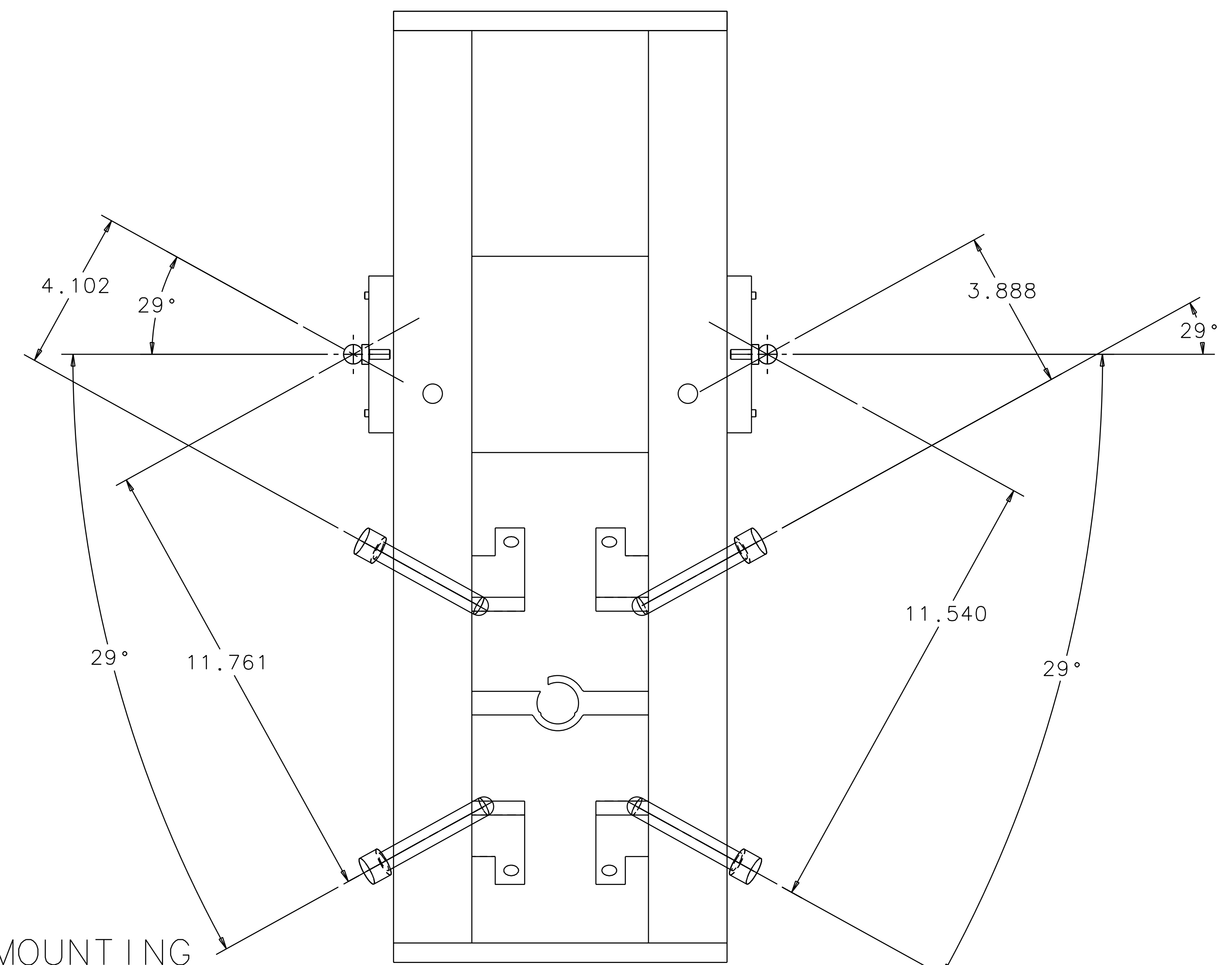
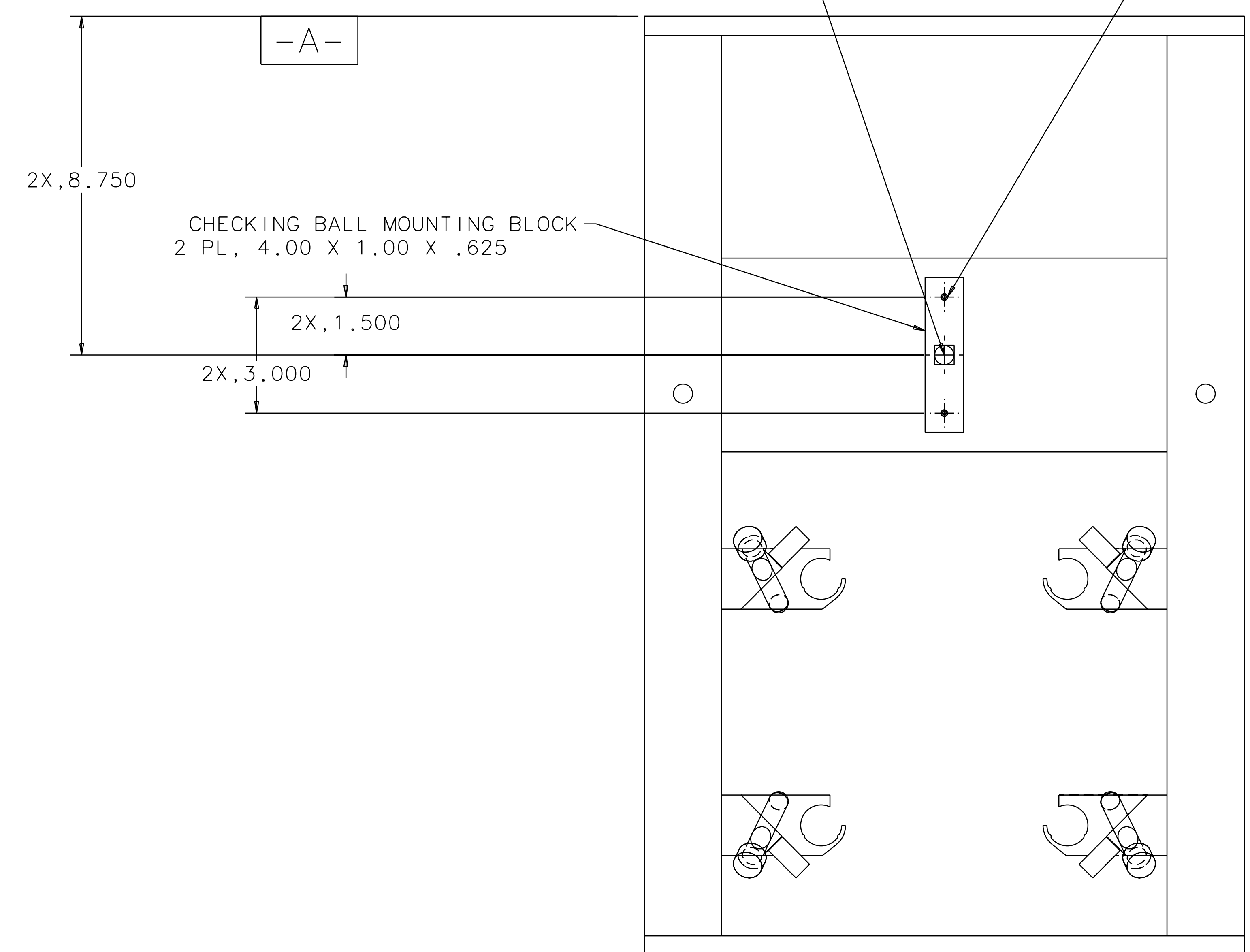
1 2 3 4 5 6 7 8

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	1/19/98	J. Hazel			E980004/INITIAL RELEASE
B	2/6/98	J. Hazel			E980011/CHANGE TO NOTE 3 CHANGE TO SECTION A-A
C	4/2/98	J. Hazel			E980075/ADD SHEETS 4



2 PL, CHECKING BALL, JERGENS P/N 29013

4X, #4-40 SCREW
MATCH DRILL TO
STIFFENER IN
STRUCTURE



CHECKING BALL MOUNTING
AND CONVERSIONS FROM
TABLE 1 CHAMFER STOP.
CHAMFER STOPS SHOWN AS
SCREWS RATHER THAN THREADS.
THEY ARE SHOWN UNHIDDEN
FOR IDENTIFICATION AND CLARITY.

QTY	REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
TOLERANCES ARE:					
		FRACTIONS		DECIMALS	
		ANGLES		:0.5°	
DO NOT SCALE DRAWING					
NEXT ASSEMBLY D970564, D970577			MATERIAL		
FILE LOCATION home/dcc/docs/d970551.pdf			FINISH		
APPROVALS		DATE	TITLE		
DRAWN J. Hazel		4/96	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
CHECKED			RECYCLING MIRROR LOS STRUCTURE ASSEMBLY		
			SIZE	D970551	REV C
			SCALE	1/2	SHEET 4 OF 4