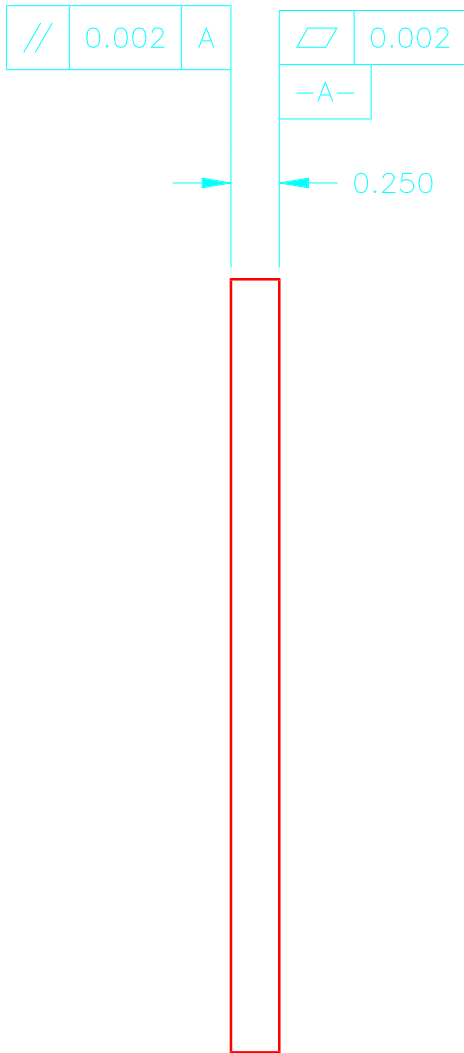
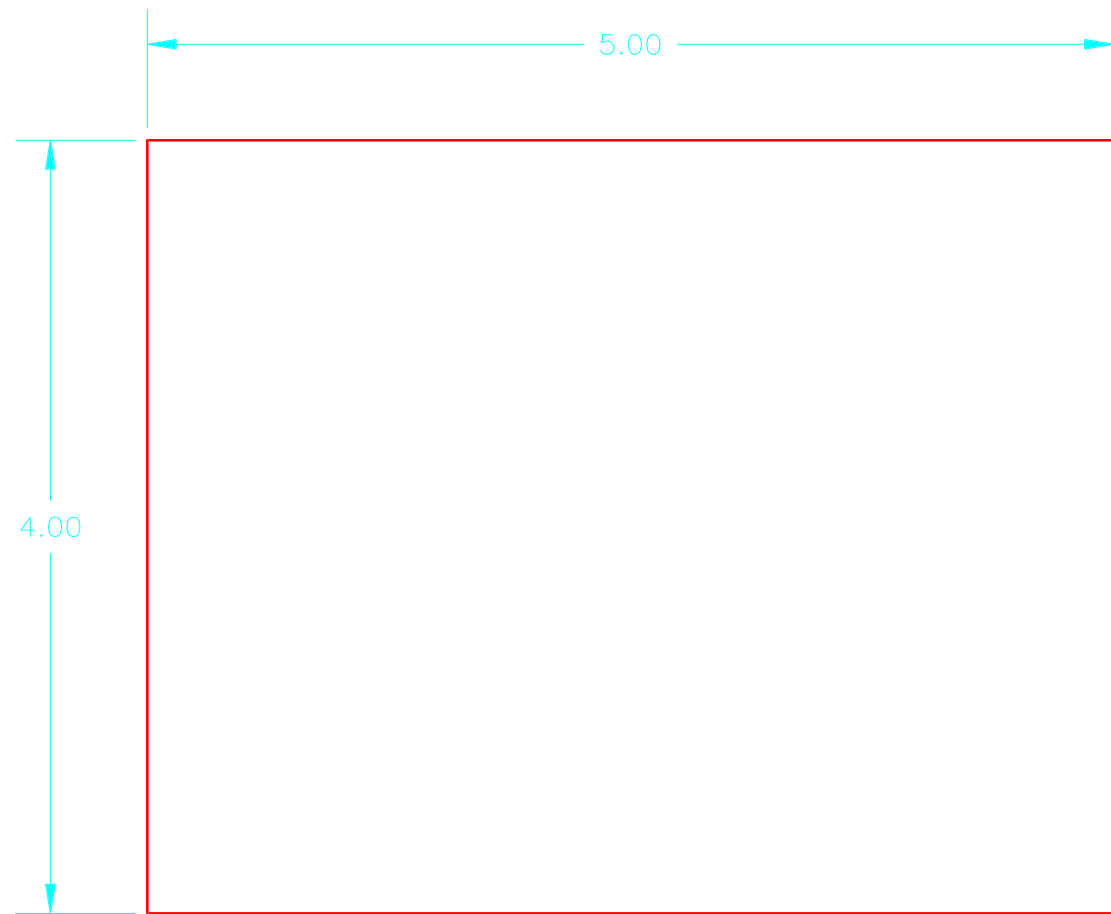
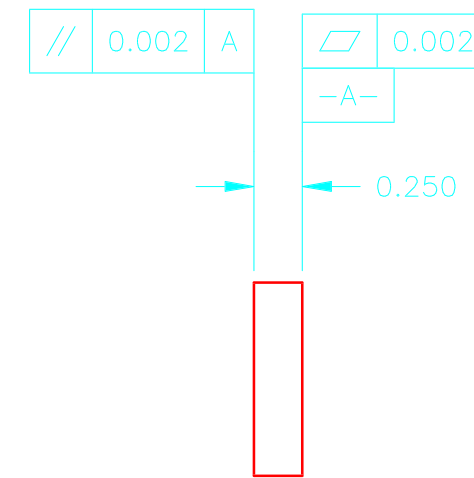
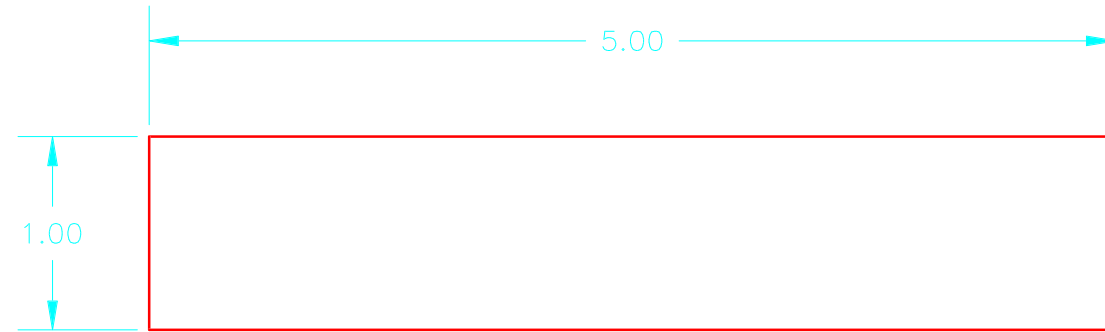


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



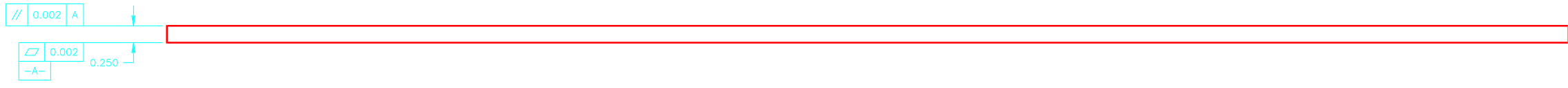
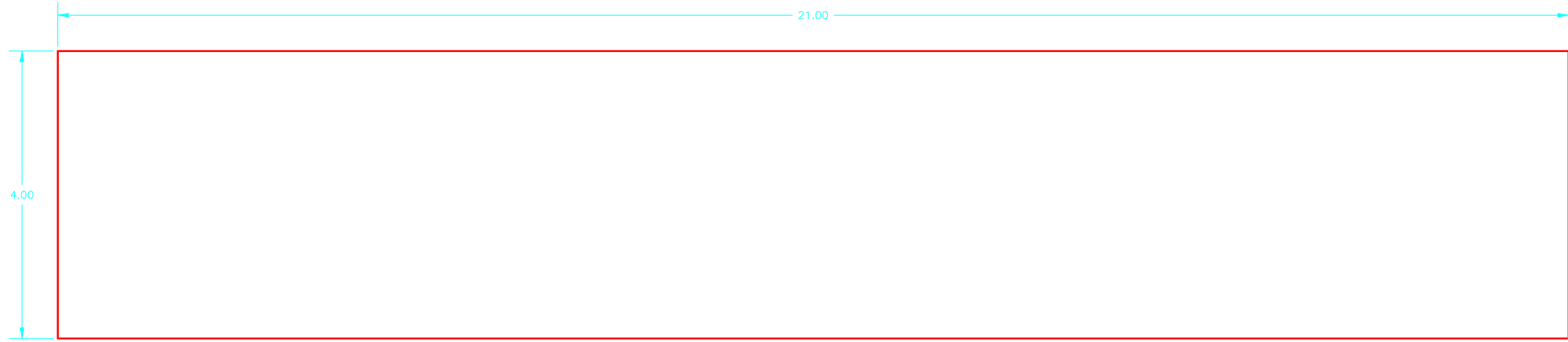
QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                    .XX±.01           ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
MATERIAL		APPROVALS	DATE	<b>PSL Pre-stabilized Laser</b>  VIBRATION ISOLATION STACK PTFE BASE PLATE
PTFE		DRAWN P. KING	07/28/98	
FINISH		CHECKED		SIZE B
NEXT ASSY	USED ON	ISSUED		FSCM NO.
APPLICATION		DO NOT SCALE DRAWING		DWG. NO. LIGO-D980350-00-D
				REV.
				SCALE 1:1
				SHEET 1 of 7

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	MODIFIED SIZE	12/02/98	P. K.



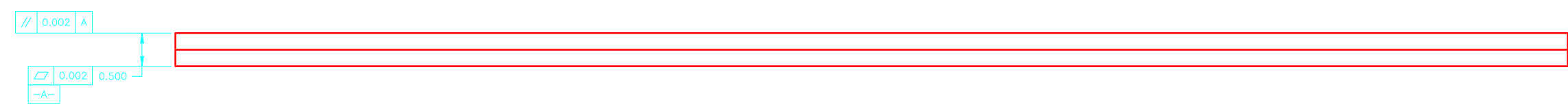
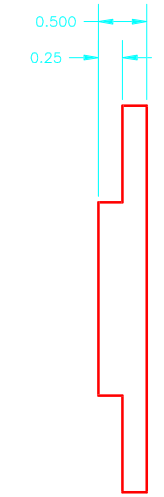
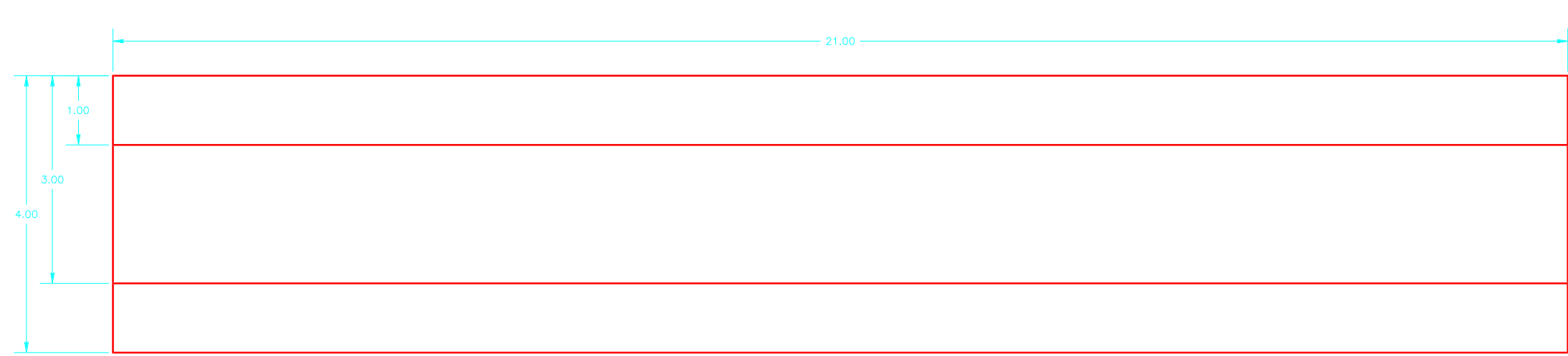
QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX±.01                ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
MATERIAL		APPROVALS	DATE	<b>PSL Pre-stabilized Laser</b> VIBRATION ISOLATION STACK PTFE BASE PLATE
PTFE		DRAWN P. KING	12/02/98	
FINISH		CHECKED		SIZE B    FSCM NO.    DWG. NO. LIGO-D980350-00-D    REV. A
NEXT ASSY	USED ON	ISSUED		
APPLICATION		DO NOT SCALE DRAWING		SCALE 1:1    SHEET 1 of 7

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



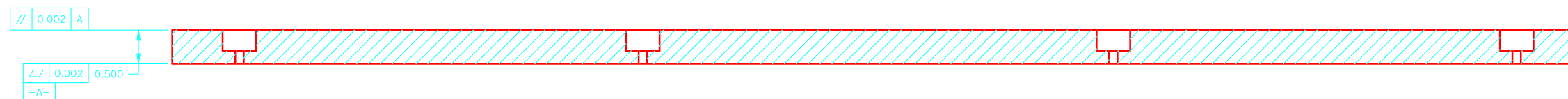
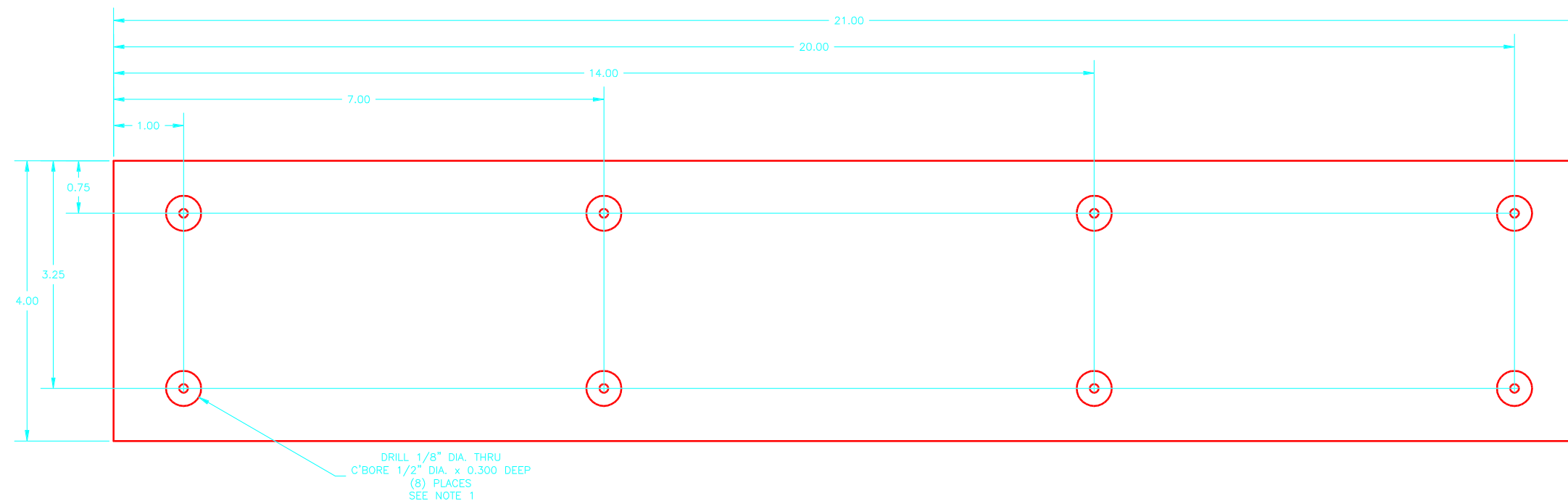
QTY.	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NO.		
TOLERANCES ARE:		APPROVALS		
FRACTIONS	DECIMALS	ANGLES	DATE	
±	.XXX±.01	±	07/28/95	
	.XXX±.005			
	.XXX±.0005			
MATERIAL	304 S.S.		DRAWN P. KING	
FINISH			CHECKED	
NEXT ASSY	USED ON	ISSUED		
APPLICATION	DO NOT SCALE DRAWING			
			<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i> <b>PSL Pre-stabilized Laser</b>	
			<b>VIBRATION ISOLATION STACK</b> <b>BASE PLATE</b>	
SIZE	FSCM NO.	DWG. NO.	REV.	
D		LIGO-D980350-00-D		
SCALE	1:1		SHEET 2 of 7	

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	MODIFIED WHOLE BASE PLATE DESIGN	09/29/98	P. K.



QTY.	FSCM NO.	PART OR IDENTIFYING NO.	NONENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XXX ± .005 ± .0005 ± .0005		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
MATERIAL <b>304 S.S.</b>		APPROVALS DRAWN <b>P. KING</b>	DATE 09/29/98	<b>PSL Pre-stabilized Laser</b>
FINISH		CHECKED	ISSUED	<b>VIBRATION ISOLATION STACK BASE PLATE</b>
NEXT ASSY	USED ON	SCALE <b>1:1</b>	SIZE <b>D</b>	REV. <b>A</b>
APPLICATION <b>DO NOT SCALE DRAWING</b>		DWG. NO. <b>LIGO-D980350-00-D</b>		SHEET <b>2 of 7</b>

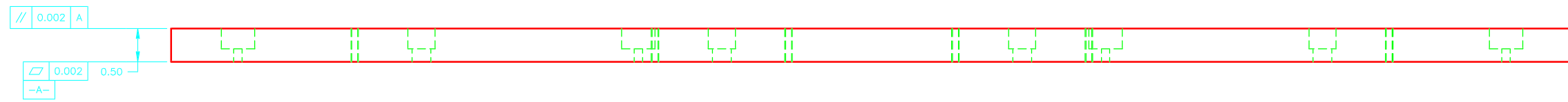
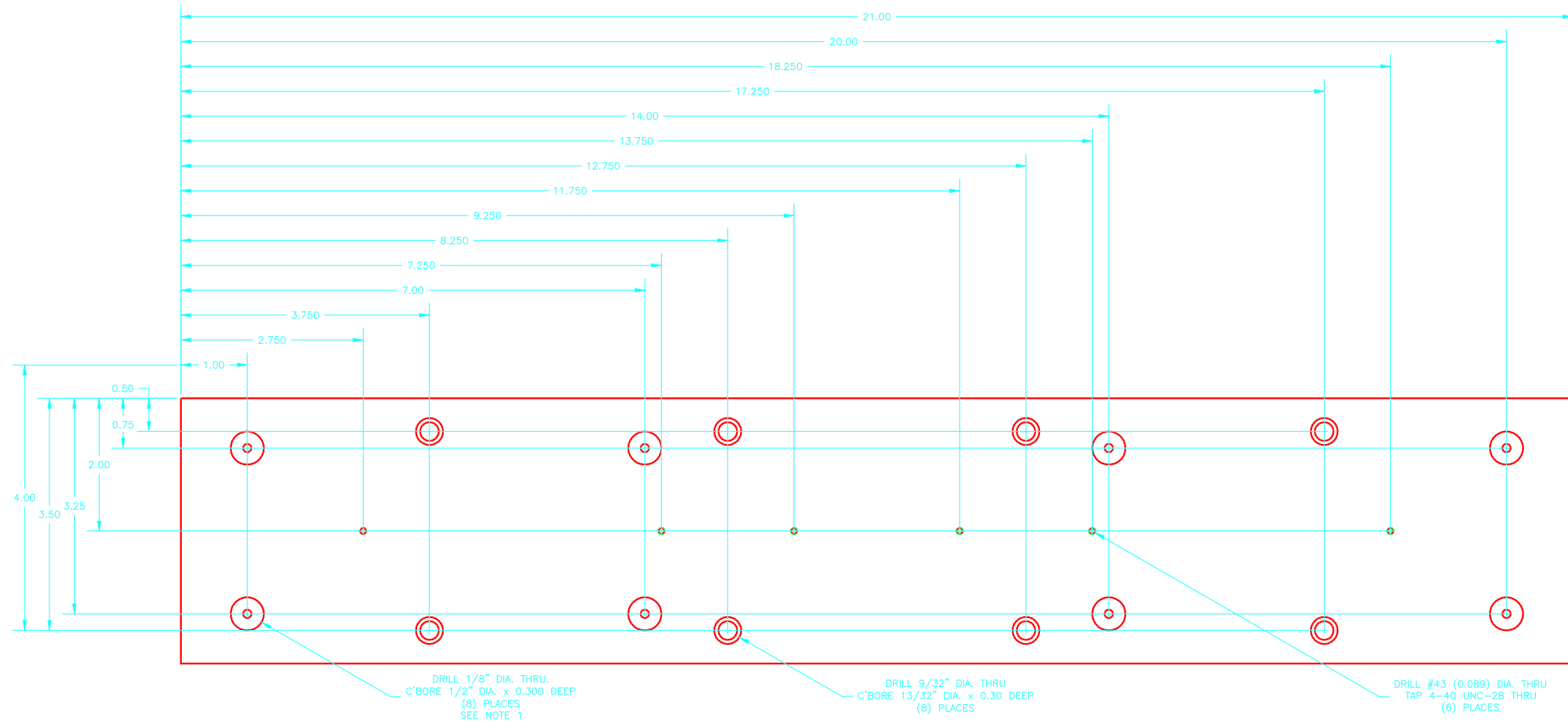
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



NOTES:  
 1. C'BORE WALLS CAN BE BEVELLED. FINAL DIAMETER OF C'BORE SHOULD BE 1/2".

QTY	FSCM	PART OR	NONENCLATURE	MATERIAL
REQD	NO.	IDENTIFYING NO.	OR DESCRIPTION	SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .001 ±		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
MATERIAL <b>304 S.S.</b>		APPROVALS DRAWN <b>P. KING</b>	DATE <b>07/28/98</b>	<b>PSL Pre-stabilized Laser</b>
FINISH		CHECKED	ISSUED	<b>VIBRATION ISOLATION STACK MIDDLE PLATE</b>
NEXT ASSY	USED ON	SCALE	SIZE	FSCM NO.
APPLICATION	DO NOT SCALE DRAWING	1:1	D	
DWG. NO. <b>LIGO-D980350-00-D</b>			REV.	
SHEET			3	of 7

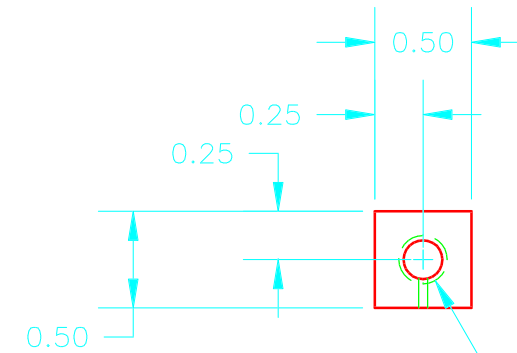
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



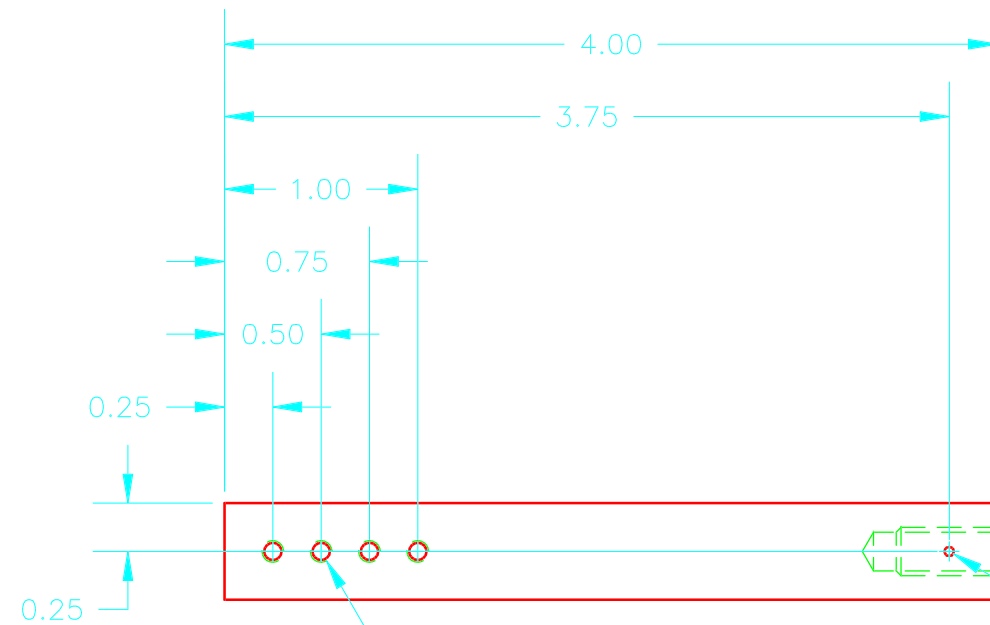
**NOTES:**  
1. C'BORE WALLS CAN BE BEVELLED. FINAL DIAMETER OF C'BORE SHOULD BE 1/2".

QTY	RECD	FSCM NO.	PARTY OR IDENTIFYING NO.	NONCLENATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .01 ±			CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i> <b>PSL Pre-stabilized Laser</b>
MATERIAL <b>304 S.S.</b>			APPROVALS DRAWN <b>P. KING</b>	DATE <b>07/28/98</b>	
FINISH			CHECKED	ISSUED	<b>VIBRATION ISOLATION STACK TOP PLATE</b>
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING	SCALE <b>1:1</b>	
				SIZE <b>D</b>	FSCM NO. DWG. NO. <b>LIGO-D980350-00-D</b> REV.
				SHEET <b>4</b> of <b>7</b>	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DRILL #7 (0.201) DIA. x 0.70 DEEP  
 TAP 1/4-20 UNC-2B x 0.50 DEEP  
 TAP THREAD AFTER 3/64" DIA.  
 VENT HOLE HAS BEEN DRILLED



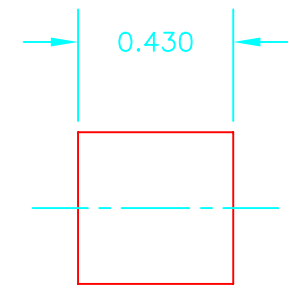
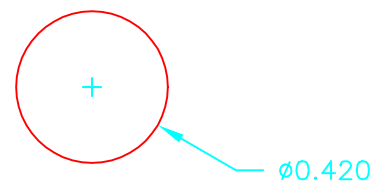
DRILL #43 (0.089) DIA. THRU  
 TAP 4-40 UNC-2B THRU  
 (4) PLACES

DRILL 3/64" (0.047) DIA. x 0.25 DEEP  
 OKAY TO DRILL THRU

QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX±.01                ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>  <b>PSL Pre-stabilized Laser</b>
MATERIAL		APPROVALS	DATE	
FINISH		DRAWN P. KING 07/28/98		VIBRATION ISOLATION STACK SUPPORT POST
NEXT ASSY		CHECKED	ISSUED	
USED ON		SIZE B		DWG. NO. LIGO-D980350-00-D
APPLICATION		SCALE 1:1		
DO NOT SCALE DRAWING		SHEET 5 of 7		

REVISIONS

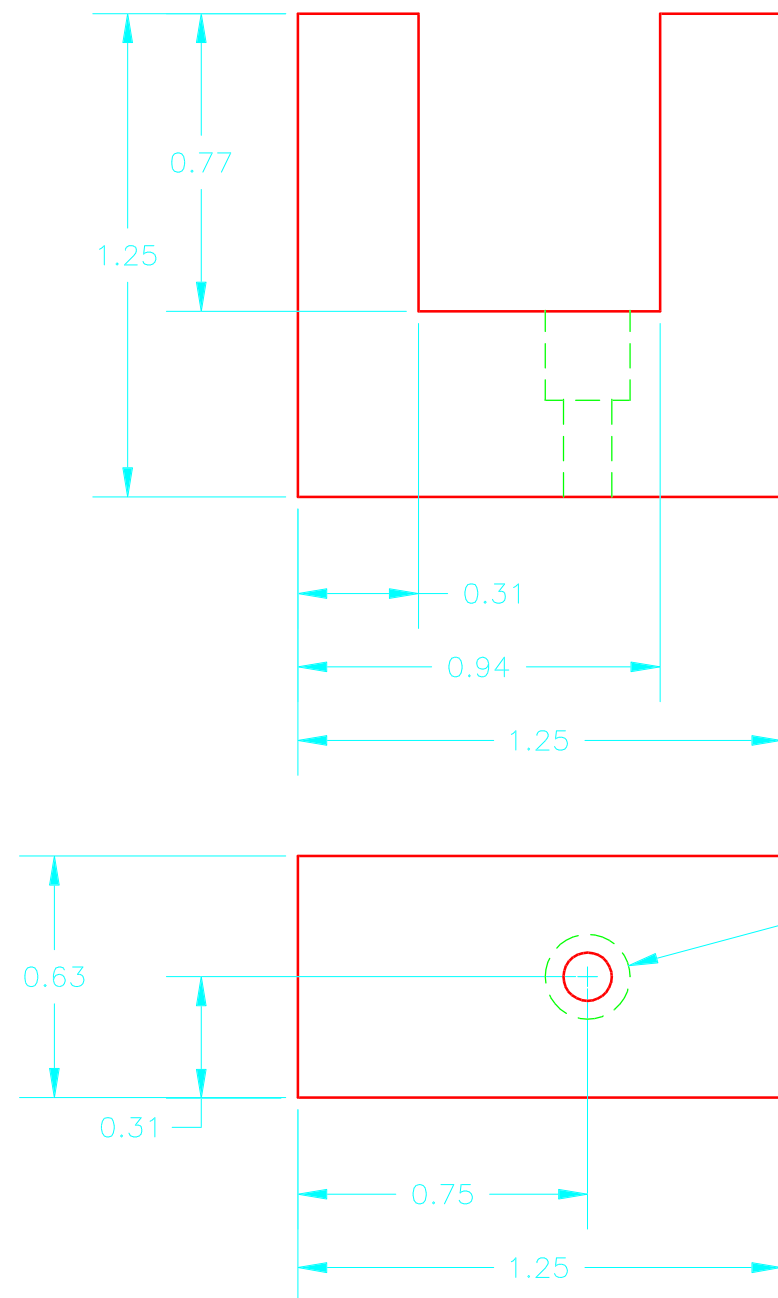
REV.	DESCRIPTION	DATE	APPROVED



QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                    .XX±.01                    ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		<i>LIGO Project</i> <i>PSL</i> <i>Pre-stabilized Laser</i> <small>California Institute of Technology Massachusetts Institute of Technology</small>	
MATERIAL <b>RTV</b>		APPROVALS	DATE	VIBRATION ISOLATION STACK RTV SPRING	
FINISH		DRAWN    P. KING	07/28/98		
NEXT ASSY      USED ON		CHECKED	ISSUED		
APPLICATION      DO NOT SCALE DRAWING		SIZE <b>A</b>	FSCM NO.	DWG. NO. <b>LIGO-D980350-00-D</b>	REV.
		SCALE    2:1	SHEET    6 of 7		



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



FROM OPPOSITE SIDE  
 DRILL 1/8" DIA. THRU  
 C'BORE 0.219 DIA. x 0.23 DEEP

QTY REQD	FSCM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX±.01                ± .XXX±.005 .XXXX±.0005		CONTRACT NO.		<b>LIGO Project</b> <i>California Institute of Technology Massachusetts Institute of Technology</i>
MATERIAL <b>CARBON STEEL</b>		APPROVALS DRAWN <b>P. KING</b>	DATE <b>07/28/98</b>	<b>PSL Pre-stabilized Laser</b>
FINISH		CHECKED	ISSUED	<b>VIBRATION ISOLATION STACK MOTION DAMPER BRACKET</b>
NEXT ASSY	USED ON	SIZE <b>B</b>		FSCM NO.      DWG. NO. <b>LIGO-D980350-00-D</b>
APPLICATION		DO NOT SCALE DRAWING		SCALE <b>2:1</b> SHEET <b>7 of 7</b>