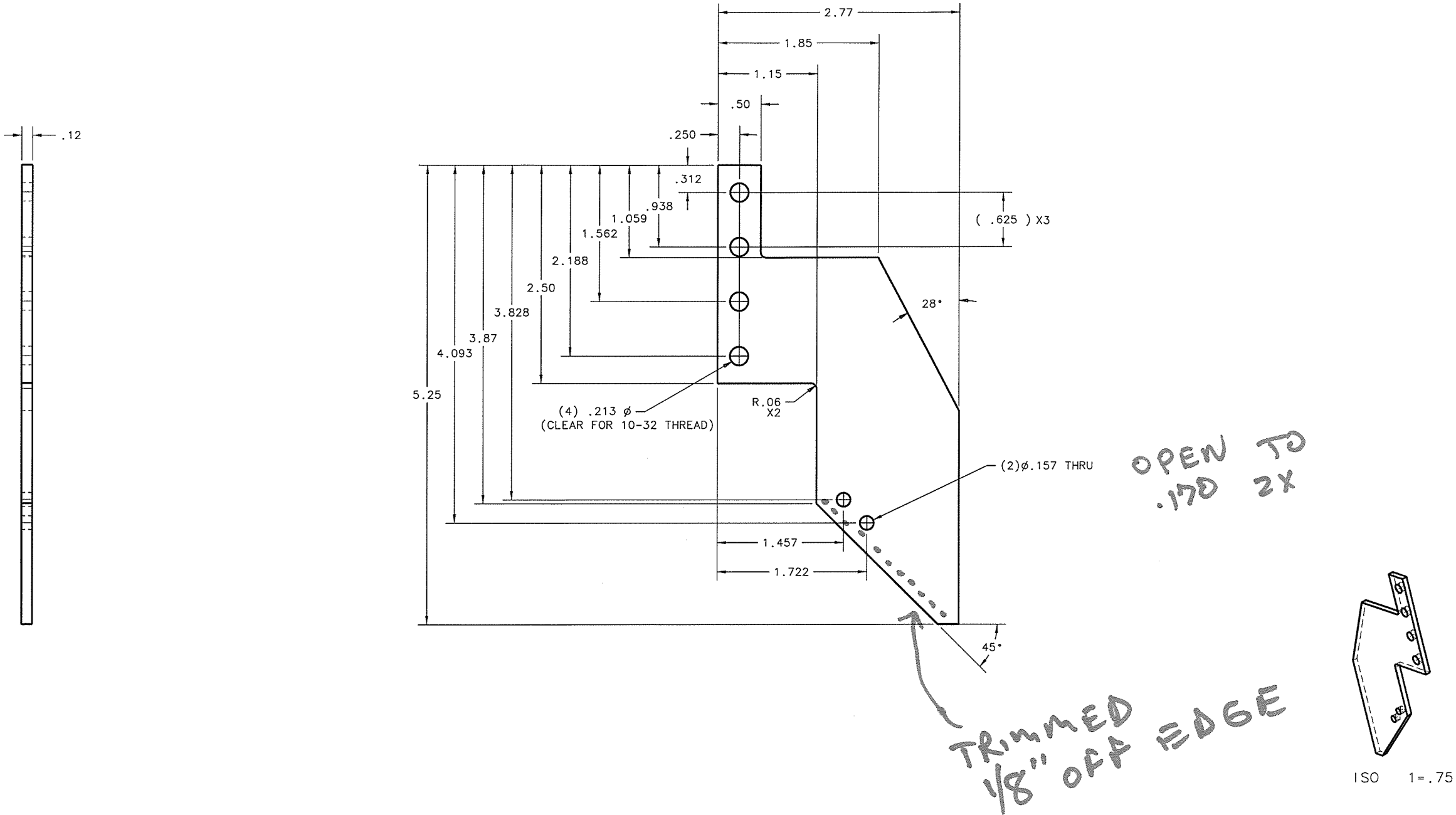


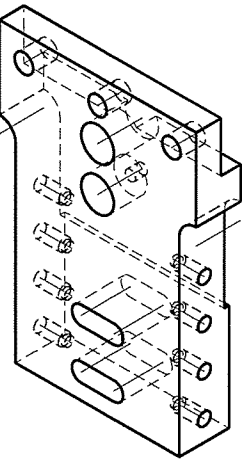
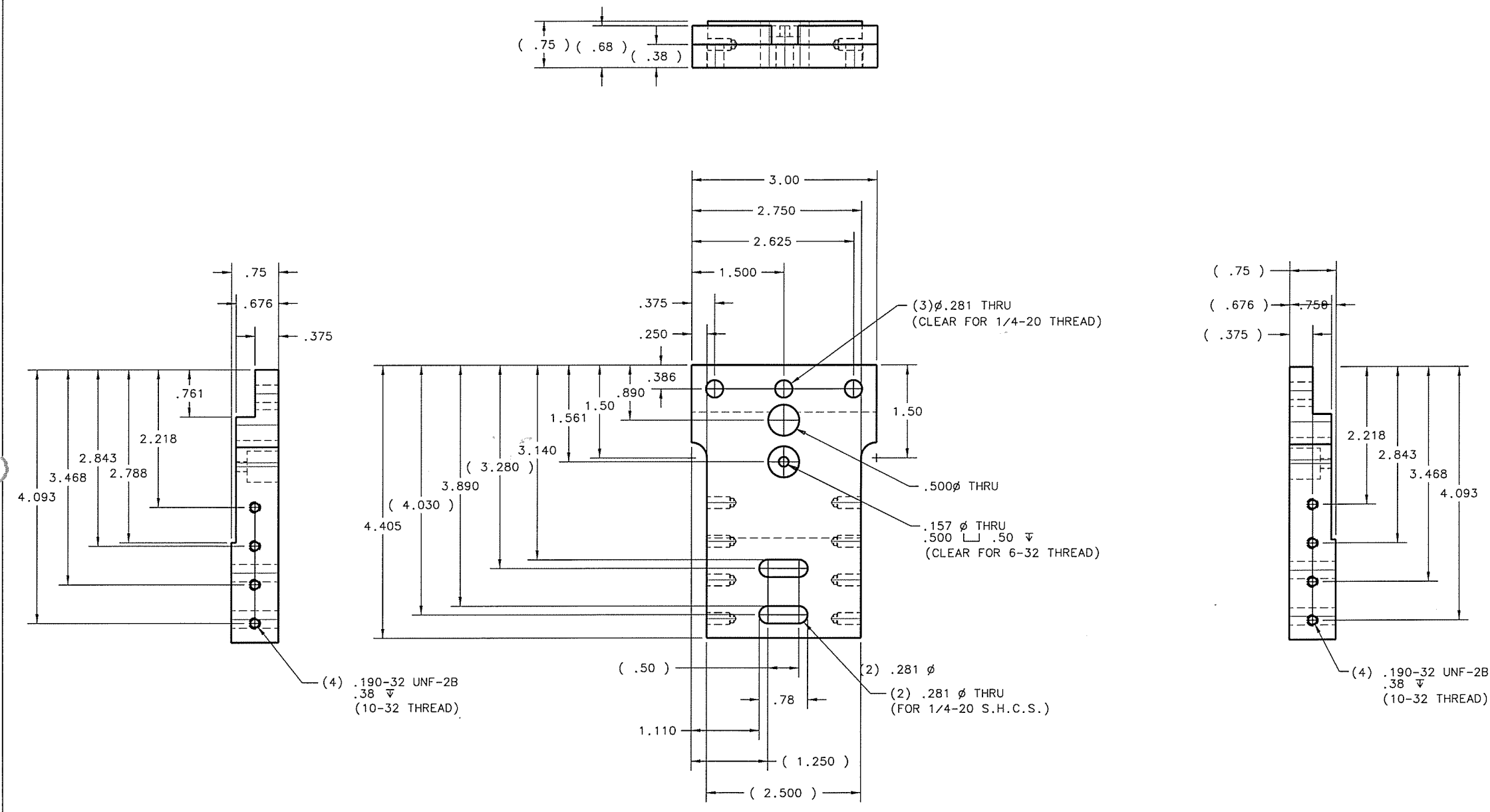
REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON



NOTES:
 1. BREAK SHARP EDGES.
 2. MACHINED SURFACE FINISH TO BE 63 RMS.

DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:		Steward Observatory, University of Arizona			
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD	MECH	IDEAS	933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659		
TOLERANCES UNLESS OTHERWISE SPECIFIED		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90" BOK TELESCOPE
LINEAR					DRAWN BY: DAVID DEAN	8/13/02	PROJECT: PRIME FOCUS
ANGULAR					CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX
.X = ±.04					APPROVED: W. DAVISON	10/30/02	GUIDE CAMERA
.XX = ±.02							PICK OFF MIRROR SIDE PLATE
.XXX = ±.008							
DIAMETRICAL SEE SPEC S-002							
MATERIAL ALUMINUM			12523		APPROVED:		PLOT SIZE SCALE: D 1=1.5
FINISH NONE			NEXT ASSY USED ON		APPROVED:		DRAWING NUMBER: 12530
		ASSEMBLY APPLICATION			CURRENT TIME/DATE/FILE LOCATION:		
					DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ecod/default.html		
							REVISION: A
							SHEET OF 1


REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON
B	ADDED DIMENSIONS	11/06/02	DAVID DEAN	W. DAVISON



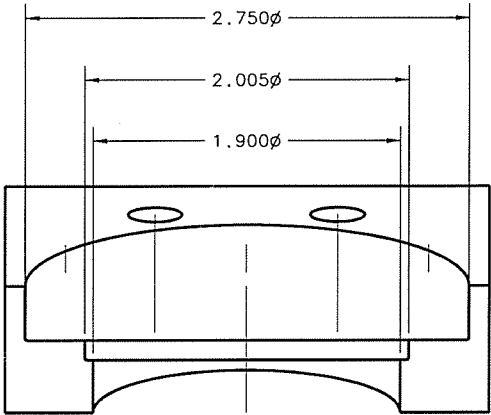
ISO 1=1

22

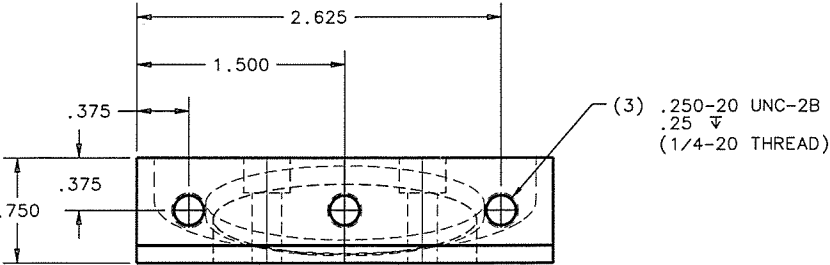
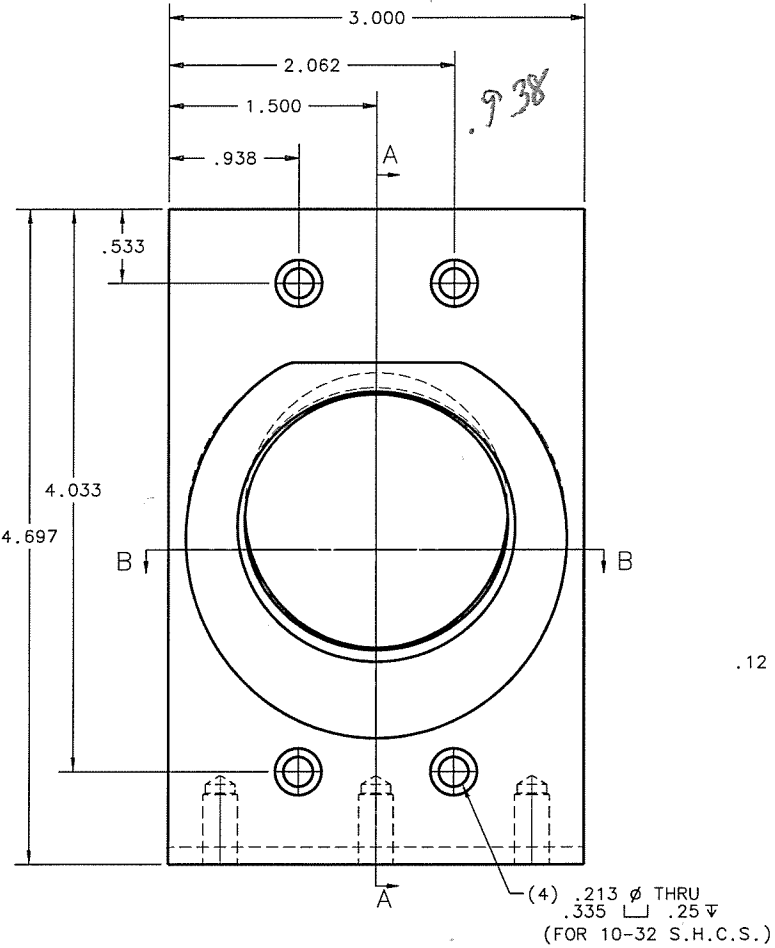
NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SURFACE FINISH TO BE 63 RMS.

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>			 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .XX = ±.02 .XXX = ±.008 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC 5-002		DESIGNED BY: DAVID DEAN		DATE: 7/23/02	CATEGORY: 90" BOK TELESCOPE			
DIMENSIONS ARE IN INCHES / DIMENSIONS IN [] ARE METRIC		DRAWN BY: DAVID DEAN		DATE: 8/12/02	PROJECT: PRIME FOCUS			
MATERIAL ALUMINUM		CHECKED BY: M. RASCON		DATE: 10/30/02	TITLE: TOP BOX GUIDE CAMERA PICK OFF MIRROR CENTER BLOCK			
		APPROVED: W. DAVISON		DATE: 10/30/02				
		APPROVED:			PLOT SIZE SCALE: D 1=1		DRAWING NUMBER: 12531	
FINISH NONE		NEXT ASSY USED ON		APPROVED:	CURRENT TIME/DATE/FILE LOCATION:		REVISION: B	
		ASSEMBLY APPLICATION		APPROVED:	DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ocod/default.html		SHEET OF 1	

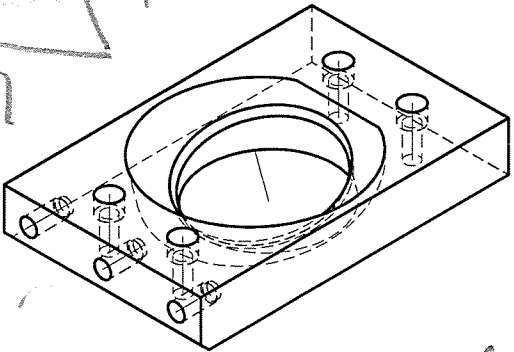
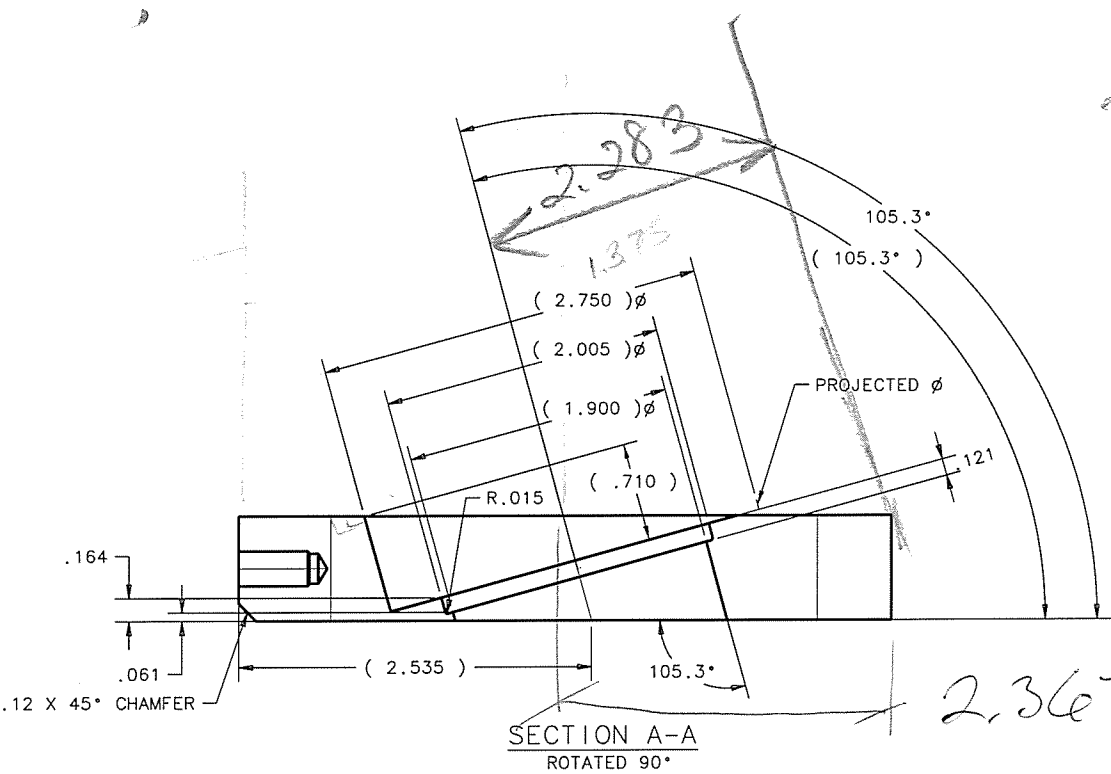
REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON
B	ADDED DIMENSION	11/06/02	DAVID DEAN	W. DAVISON



SECTION B-B
ROTATED 180°



NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SUEFACE FINISH TO BE 63 RMS.
3. MACHINED FILLERT TO BE .015 MAX.

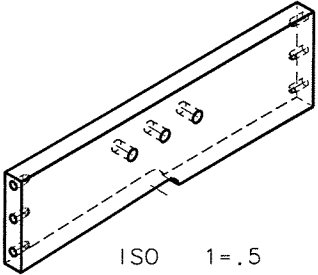
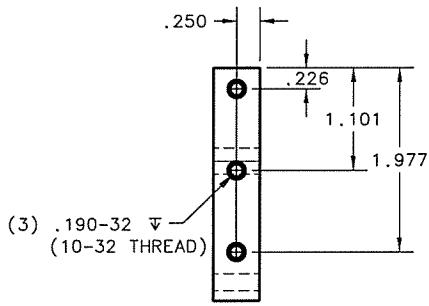
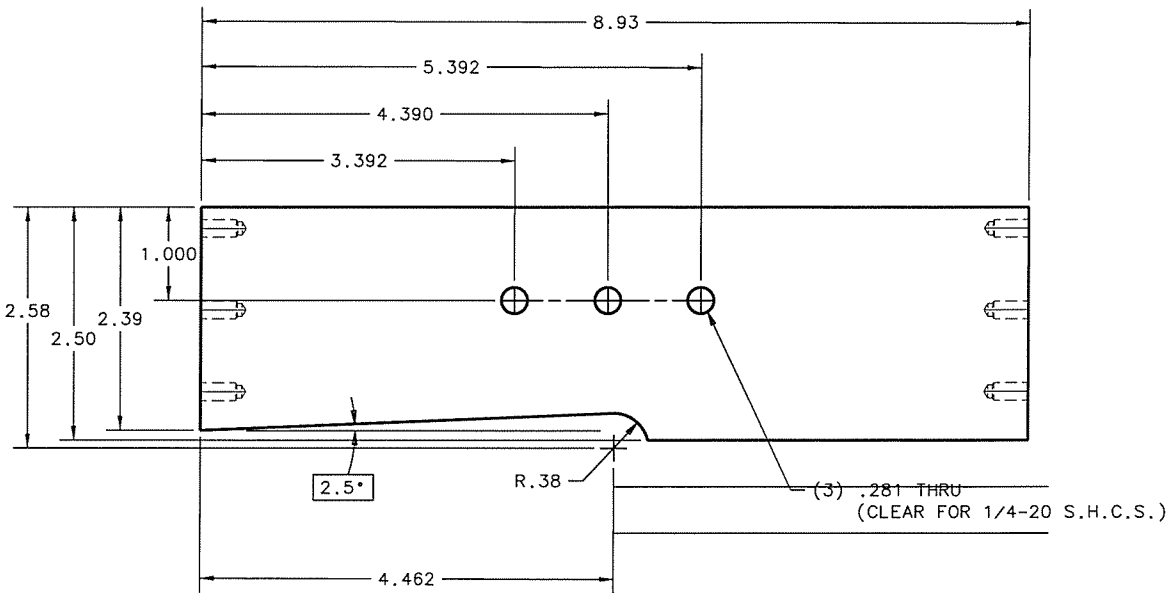
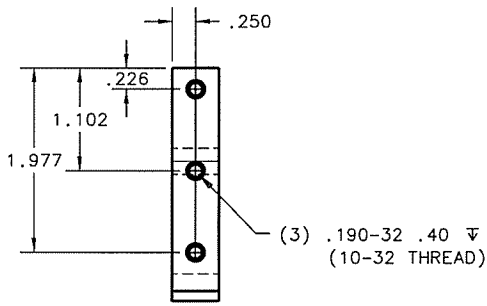
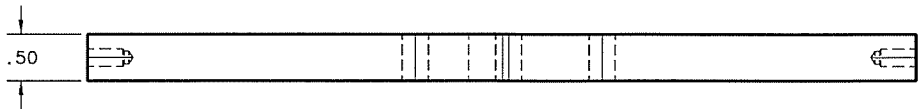


ISO 1=1

F/M 23

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659	
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.008 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC S-002		DESIGNED BY: DAVID DEAN DATE: 7/23/02		CATEGORY: 90° BOK TELESCOPE	
MATERIAL ALUMINUM		DRAWN BY: DAVID DEAN DATE: 8/12/02		PROJECT: PRIME FOCUS	
FINISH NONE		CHECKED BY: M. RASCON DATE: 10/30/02		TITLE: TOP BOX GUIDE CAMERA PICK OFF MIRROR LENS BLOCK	
ASSEMBLY APPLICATION		APPROVED: W. DAVISON DATE: 10/30/02		PLOT SIZE SCALE: 1=1.5	
		APPROVED:		DRAWING NUMBER: 12533	
		APPROVED:		REVISION: B	
		CURRENT TIME/DATE/FILE LOCATION:		SHEET OF 1	
		DRAWING ARCHIVE LOCATION: http://dovinci.as.arizona.edu/acad/default.html			

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON

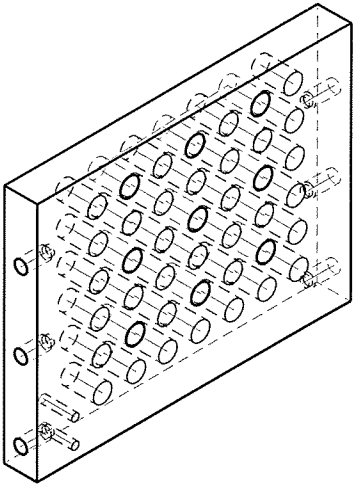
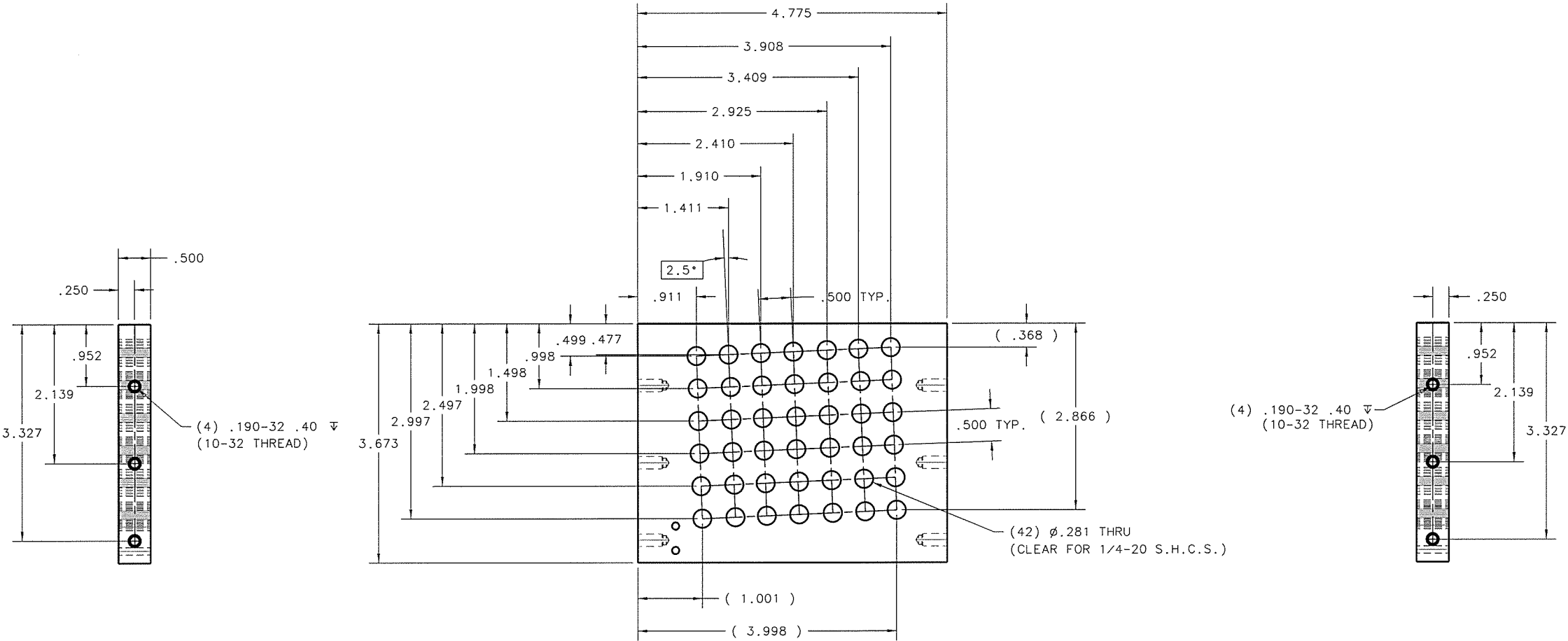


FM 19

NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SURFACE FINISH TO BE 63 RMS.

DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:		Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD <input type="checkbox"/>	MECH <input type="checkbox"/>	IDEAS <input checked="" type="checkbox"/>	DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90" BOK TELESCOPE
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.008 ANGULAR ± 0°30'					DRAWN BY: DAVID DEAN	8/12/02	PROJECT: PRIME FOCUS
DIAMETRICAL SEE SPEC 5-002					CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX GUIDE CAMERA STAGE BRIDGE PLATE
MATERIAL ALUMINUM					APPROVED: W. DAVISON	10/30/02	PLOT SIZE SCALE: D 1=1
FINISH NONE			12523		APPROVED:		DRAWING NUMBER: 12536
ASSEMBLY APPLICATION			USED ON		APPROVED:		REVISION: A
CURRENT TIME/DATE/FILE LOCATION:					SHEET OF 1		
DRAWING ARCHIVE LOCATION: http://dovinci.os.arizona.edu/ecod/default.html							


REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON
B	ADDED HOLES	01/21/03	DAVID DEAN	W. DAVISON



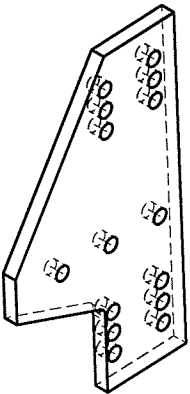
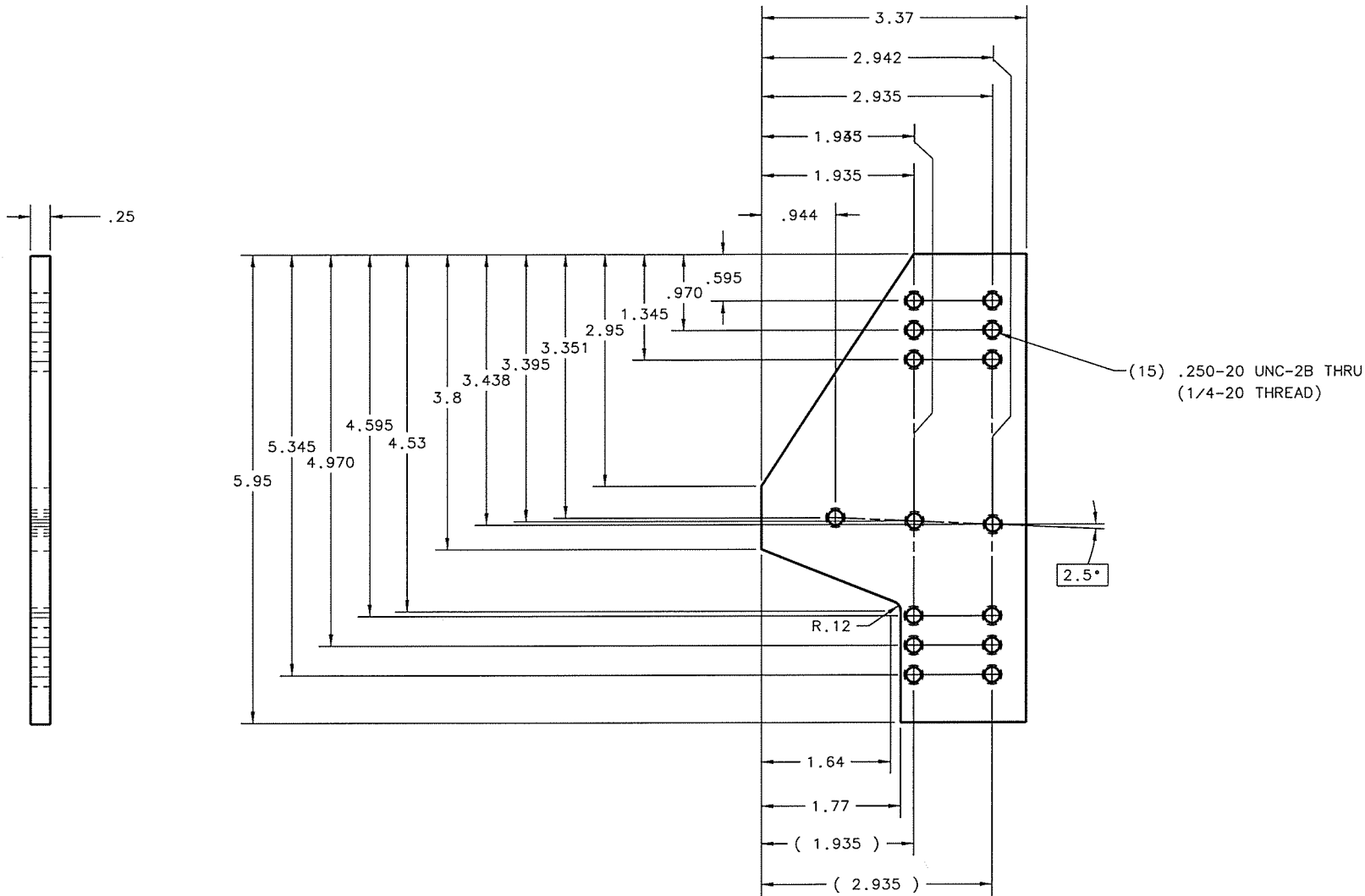
ISO 1=1

20

NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SURFACE FINISH TO BE 63 RMS.


DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:			 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659				
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD <input type="checkbox"/>	MECH <input type="checkbox"/>	IDEAS <input checked="" type="checkbox"/>	DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90 " BOK TELESCOPE		
<div>TOLERANCES UNLESS OTHERWISE SPECIFIED</div> <div><div>LINEAR</div><div>ANGULAR</div></div> <div><div>.X</div><div>XX</div><div>XXX</div></div> <div><div>= ±.04</div><div>= ±.02</div><div>= ±.10</div></div> <div><div>DIAMETRICAL</div><div>SEE SPEC S-002</div></div> <div>DIMENSIONS ARE IN INCHES / DIMENSIONS IN 1 ARE METRIC</div>					DRAWN BY: DAVID DEAN	8/14/02	PROJECT: PRIME FOCUS		
					CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX GUIDE CAMERA STAGE INTERFACE PLATE		
					APPROVED: W. DAVISON	10/30/02			
					APPROVED:				
					APPROVED:				
MATERIAL ALUMINUM			12523		APPROVED:		PLOT SIZE SCALE: D ??	DRAWING NUMBER: 12537	REVISION: B
		NEXT ASSY	USED ON	APPROVED:					
		FINISH NONE		ASSEMBLY APPLICATION			CURRENT TIME/DATE/FILE LOCATION: DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/acad/default.html		

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON

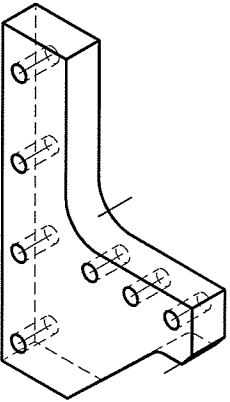
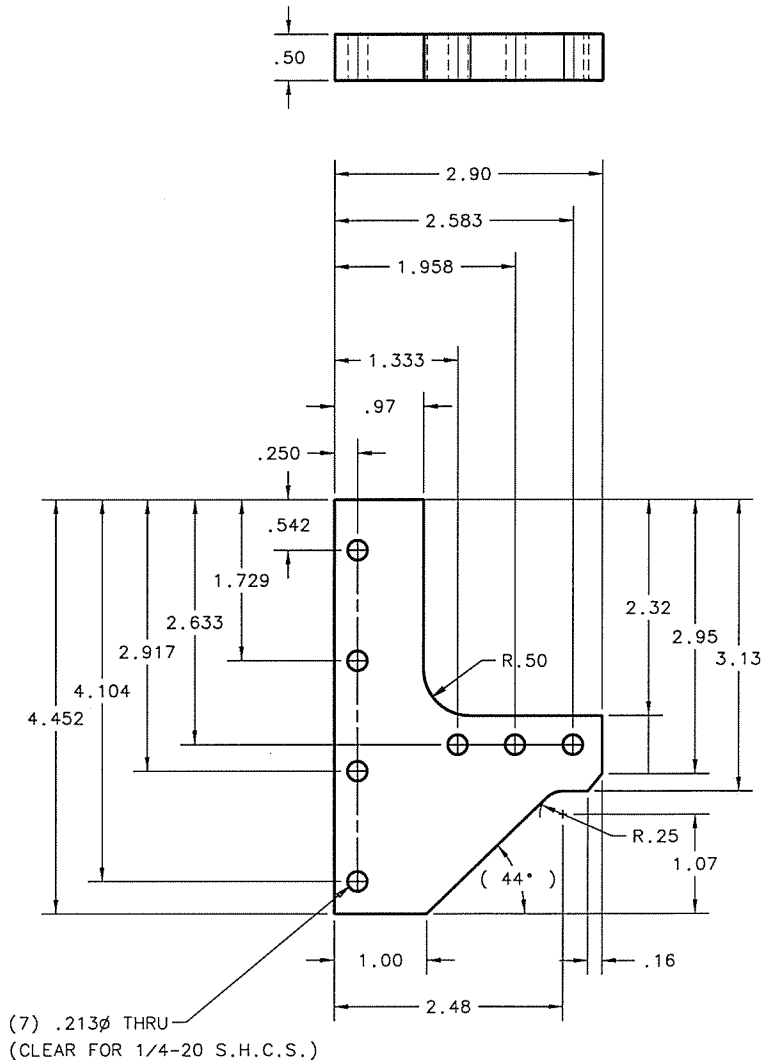


ISO 1=.5

NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SURFACE FINISH TO BE 63 RMS.


DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659	
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.008 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC 5-002		DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90° BOK TELESCOPE	
		DRAWN BY: DAVID DEAN	8/12/02	PROJECT: PRIME FOCUS	
		CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX GUIDE CAMERA STAGE MID ADAPTER PLATE	
		APPROVED: W. DAVISON	10/30/02		
MATERIAL ALUMINUM		APPROVED:		PLOT SIZE SCALE: D 1=1	DRAWING NUMBER: 12538
FINISH NONE		APPROVED:		REVISION: A	
NEXT ASSY		USED ON	CURRENT TIME/DATE/FILE LOCATION:		
ASSEMBLY APPLICATION		DRAWING ARCHIVE LOCATION: http://davinci.es.arizona.edu/ocod/default.html			SHEET OF 1

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON



ISO 1=1

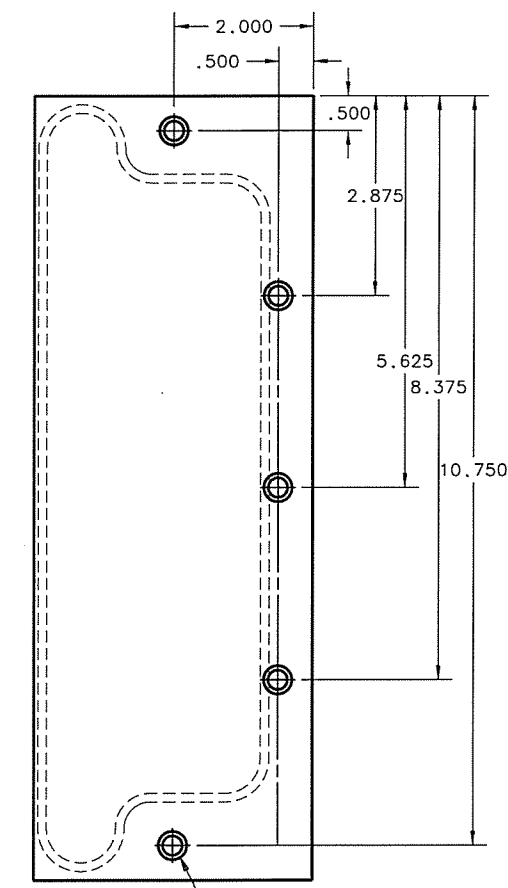
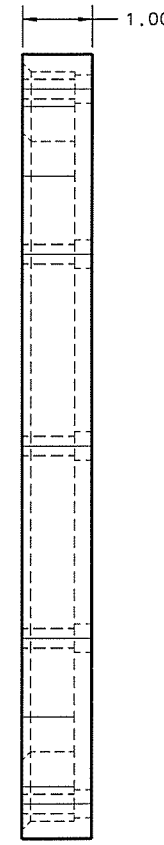
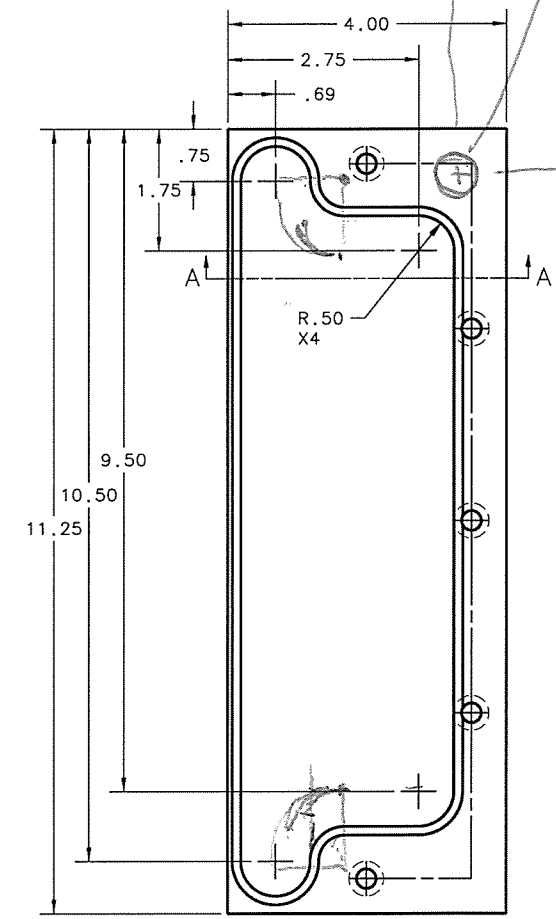
- NOTES:
1. BREAK SHARP EDGES.
 2. MACHINED SURFACE FINISH TO BE 63 RMS.

DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:		 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD	MECH	IDEAS	DESIGNED BY:	DATE:	CATEGORY:
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DAVID DEAN	7/23/02	90" BOK TELESCOPE
TOLERANCES UNLESS OTHERWISE SPECIFIED					DRAWN BY:	8/14/02	PROJECT:
LINEAR .XX = ±.04 .XXX = ±.02					CHECKED BY:	10/30/02	TITLE:
ANGULAR ± 0°30'					M. RASCON		TOP BOX
DIAMETRICAL SEE SPEC 5-002					APPROVED:	10/30/02	GUIDE CAMERA
					W. DAVISON		STAGE S PERPENDICULAR PLATE
MATERIAL ALUMINUM			12523		APPROVED:		PLOT SIZE SCALE:
		NEXT ASSY	USED ON		APPROVED:		D 1=1
FINISH NONE		ASSEMBLY APPLICATION			CURRENT TIME/DATE/FILE LOCATION:		
					DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/acad/default.html		
							DRAWING NUMBER: 12539
							REVISION: A
							SHEET OF 1

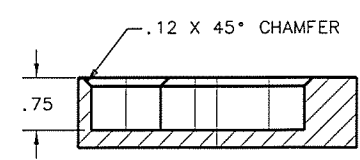
3.15
 .325
 3.475
 .58
 325
 905

x .440

3.475
 5/8" X 4.00
 CL FOR
 5/16 BOLT
 HEAD.



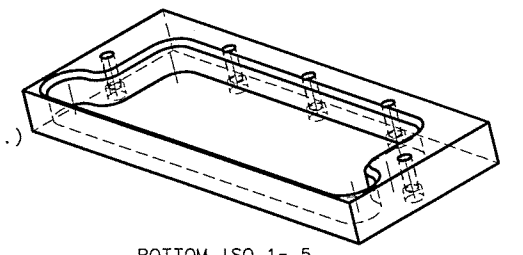
x .440 y - 10.5
 x - y - .75
 ARC MILL X .94 Y -.75
 CENT. X .69 Y -.75
 ARC MILL X 1.44 Y -1.50
 X 1.44 Y -.75



SECTION A-A
 1-.75

x .69 y - 10.5
 x .69 y - 10.0
 ARC CENT X 1.190 Y CENT - 1.0
 END X 1.69 Y END - 9.5

(5) .281" THRU
 .406" .25"
 (FOR 1/4-20 S.H.C.S.)



NOTES:
 1. BREAK SHARP EDGES.
 2. MACHINED SURFACE FINISH TO BE 63 RMS.
 3. MACHINED FILLETS TO BE .015 MAX. U.N.

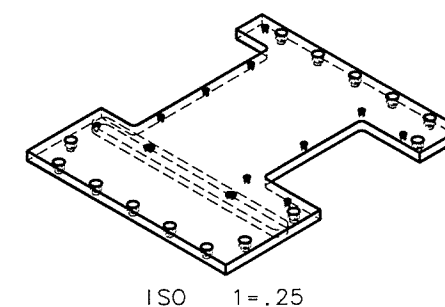
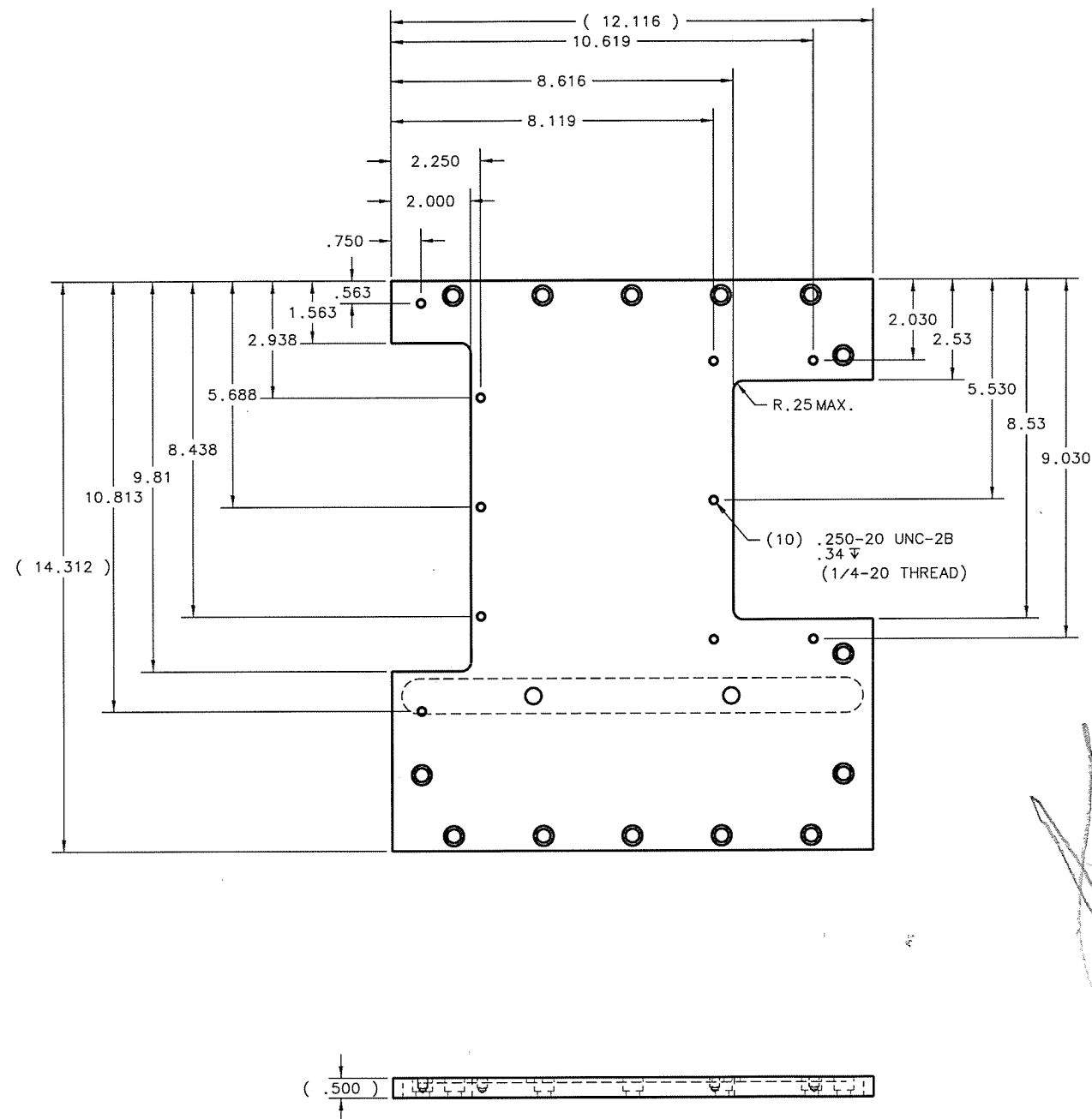
x 2.75 y - 9.5
 x 2.75 y - 1.75
 x 1.190 y - 1.75
 ARC CENT X 1.190 Y - 1.25
 ARC END X .69 Y - .75
 x .69 y - 10.5

REVISIONS			
LTR	DESCRIPTION	DATE	REVISED BY
A	INITIAL RELEASE	10/30/02	DAVID DEAN
			W. DAVISON

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659	
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.008 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC S-002		DESIGNED BY: DAVID DEAN DATE: 7/23/02		CATEGORY: 90" BOK TELESCOPE	
MATERIAL ALUMINUM		DRAWN BY: DAVID DEAN DATE: 8/8/02		PROJECT: PRIME FOCUS	
FINISH NONE		CHECKED BY: M. RASCON DATE: 10/30/02		TITLE: TOP BOX GUIDE CAMERA STAGE TOP END OUTER PLATE	
NEXT ASSY USED ON		APPROVED BY: W. DAVISON DATE: 10/30/02		PLOT SIZE SCALE: D 1-.75	
ASSEMBLY APPLICATION		APPROVED:		DRAWING NUMBER: 12540	
CURRENT TIME/DATE/FILE LOCATION:		APPROVED:		REVISION: A	
DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ccad/default.html				SHEET OF 1	

FM 13

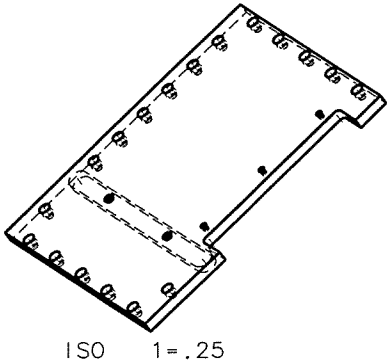
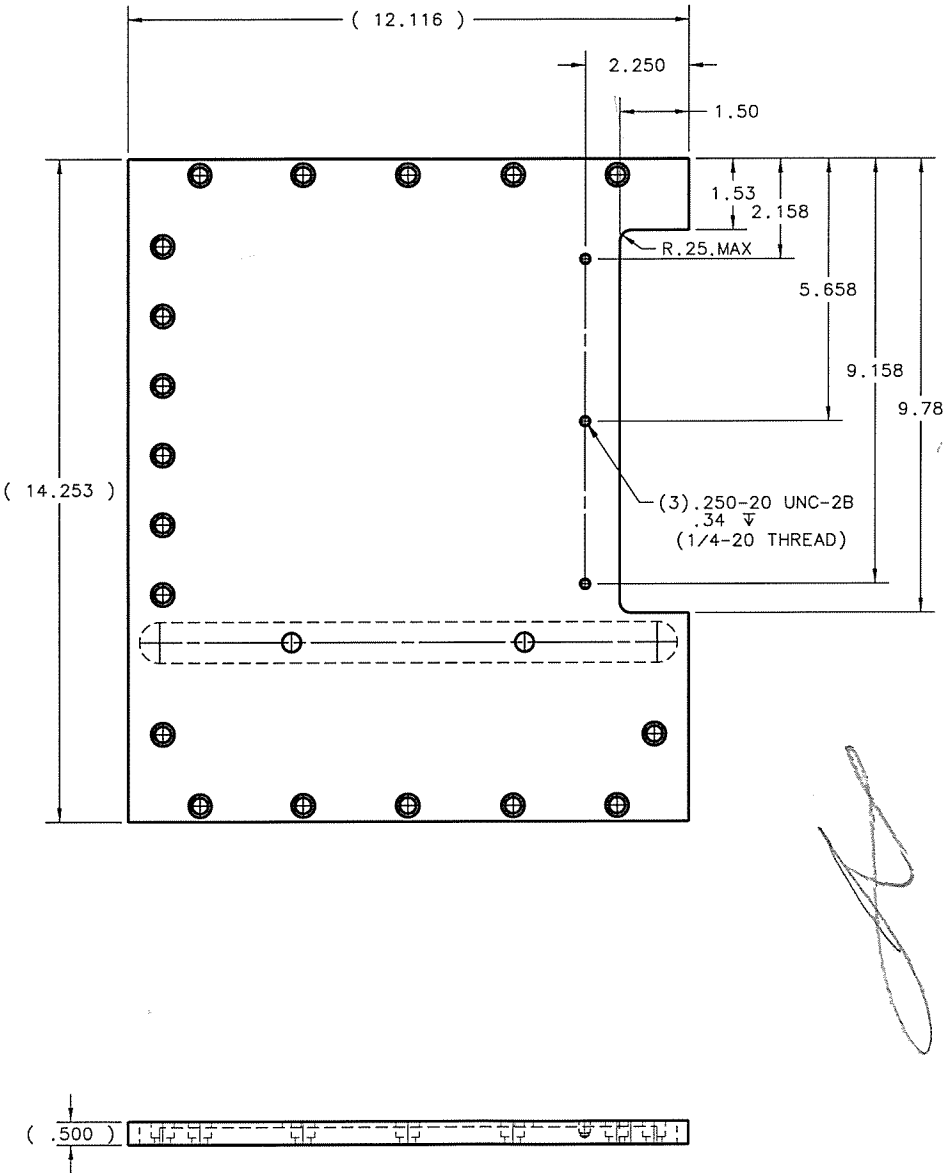
REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON



- NOTES:
1. MODIFY EXISTING TOP BOX SIDE PLATE 12052 STAMPED N. PER THE DIMENSIONS ON THIS DRAWING.
 2. PLACEMENT OF TOP BOX SIDE PLATE WHEN TELESCOPE POINTING AT ZENITH.
 3. BREAK SHARP EDGES & DEBURR.

DO NOT SCALE DRAWING		THIS DRAWING CREATED ID:		Steward Observatory, University of Arizona	
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD	MECH	IDEAS	933 D. Cherry Avenue, Tucson, AZ 85721 (520)621-7659
TOLERANCES UNLESS OTHERWISE SPECIFIED		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DESIGNED BY: DAVID DEAN DATE: 7/23/02
L IDEAL ANGULAR					CATEGORY: 90" BOK TELESCOPE
.X = ±.04 ± 0°30					DRAWN BY: DAVID DEAN 8/20/02
.XX = ±.02					CHECKED BY: M. RASCOB 10/30/02
.XXX = ±.010					APPROVED: W. DAVISON 10/30/02
DIAMETRICAL SEE SPEC 5-002					APPROVED:
DIMENSIONS ARE IN INCHES / DIMENSIONS IN () ARE METRIC			12040		TITLE: TOP BOX GUIDE CAMERA SIDE PLATE (□) MODIFIED
MATERIAL SEE NOTE 1			12523		PROJECT: PRIME FOCUS
		TEXT ASSY	USED OD		PLOT SIZE SCALE: DRAWING NUMBER: REVISION:
FINISH CODE		ASSEMBLY APPLICATION		CURRENT TIME/DATE/FILE LOCATION:	D 1 = .50 12541 A
				DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ocad/default.html	SHEET OF 1

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON

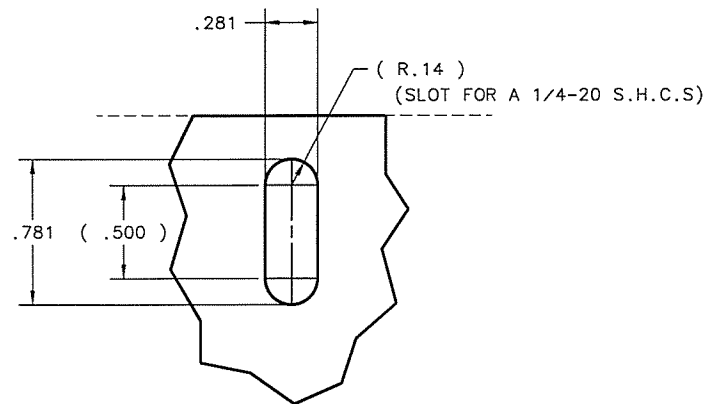


NOTES:

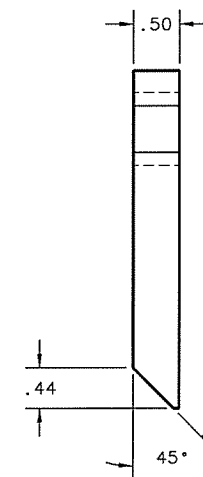
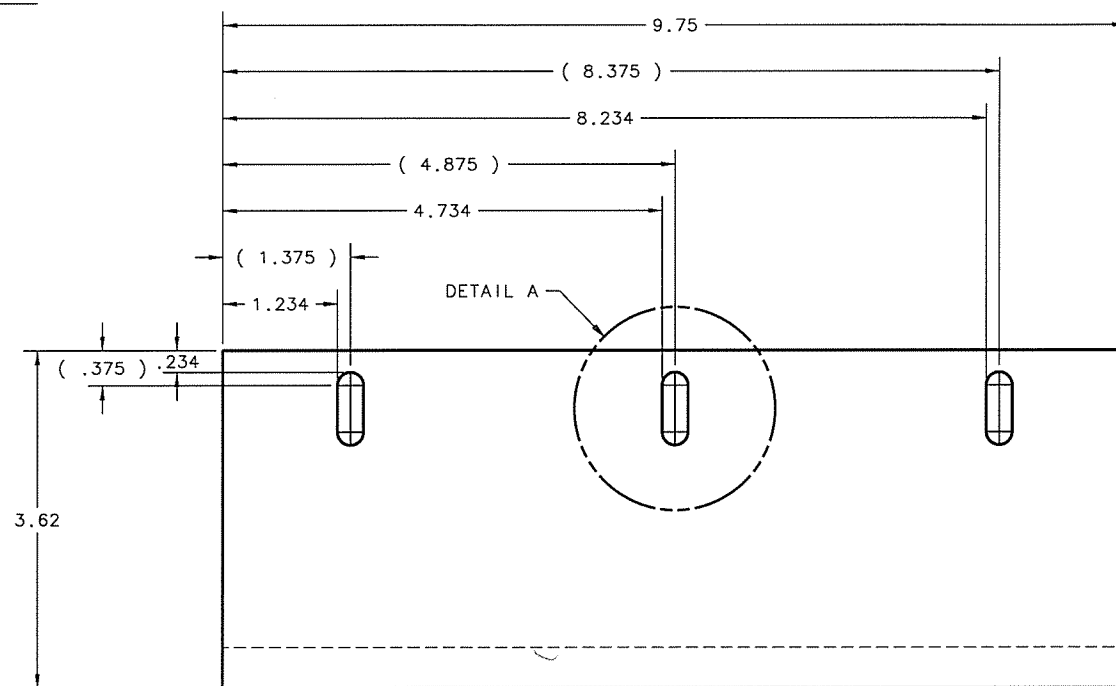
1. MODIFY EXISTING TOP BOX SIDE PLATE 12057 STAMPED N.W. PER THE DIMENSIONS ON THIS DRAWING.
2. THIS PLATE WILL BE MOVED TO THE N.E. SIDE OF THE TOP BOX.
3. PLACEMENT OF TOP BOX SIDE PLATE WITH TELESCOPE POINTING AT ZENITH.
4. BREAK SHARP EDGES.

DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:		Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD <input type="checkbox"/>	MECH <input type="checkbox"/>	IDEAS <input checked="" type="checkbox"/>	DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90" BOK TELESCOPE
TOLERANCES UNLESS OTHERWISE SPECIFIED					DRAWN BY: DAVID DEAN	8/20/02	PROJECT: PRIME FOCUS
LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.010					CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX GUIDE CAMERA SIDE PLATE (N.W.) MODIFIED
ANGULAR ± 0°30'					APPROVED: W. DAVISON	10/30/02	
DIAMETRICAL SEE SPEC S-002					APPROVED:		
MATERIAL SEE NOTE 1		12040			APPROVED:		PLOT SIZE SCALE: D 1=.5
FINISH NONE		12523			APPROVED:		DRAWING NUMBER: 12542
		NEXT ASSY USED ON			APPROVED:		REVISION: A
		ASSEMBLY APPLICATION			CURRENT TIME/DATE/FILE LOCATION: DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ocod/default.html		
							SHEET OF 1


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LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
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DETAIL A
1=2



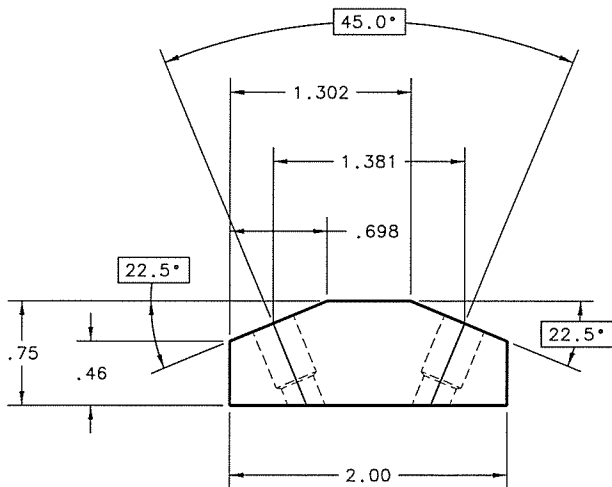
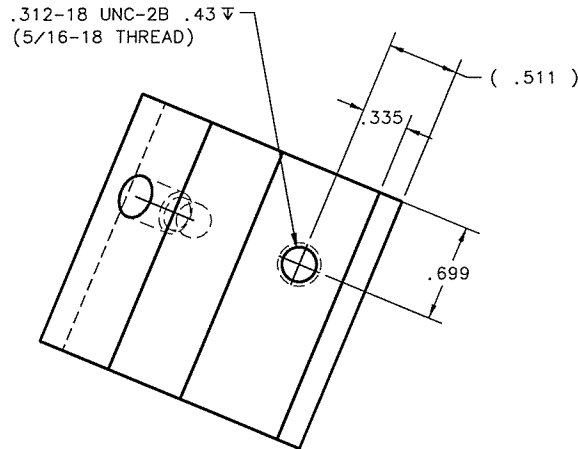
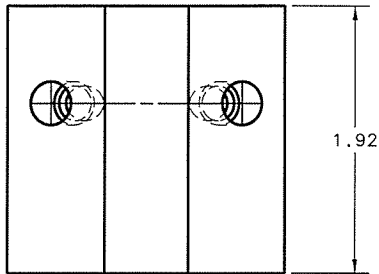
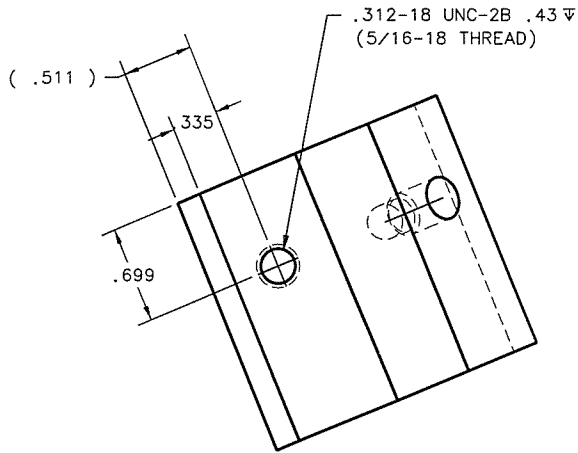
NOTES:
1. BREAK SHARP EDGES.
2. MACHINED SURFACE FINISH TO BE 63 RMS.

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659	
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.010 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC S-002		DESIGNED BY: DAVID DEAN DRAWN BY: DAVID DEAN CHECKED BY: M. RASCON APPROVED: W. DAVISON APPROVED:		DATE: 7/23/02 9/12/02 10/30/02 10/30/02	
MATERIAL ALUMINUM		12523 NEXT ASSY USED ON		CATEGORY: 90" BOK TELESCOPE PROJECT: PRIME FOCUS TITLE: TOP BOX GUIDE CAMERA STAGE LIGHT SHIELD PLATE	
FINISH NONE		ASSEMBLY APPLICATION		PLOT SIZE: D SCALE: 1=1 DRAWING NUMBER: 12543 REVISION: A	
CURRENT TIME/DATE/FILE LOCATION:				SHEET OF 1	
DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/acad/default.html					


FM

12

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	DISCRIPTION	00/00/00	NAME	NAME



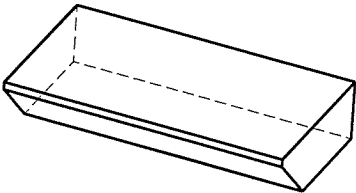
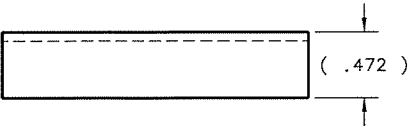
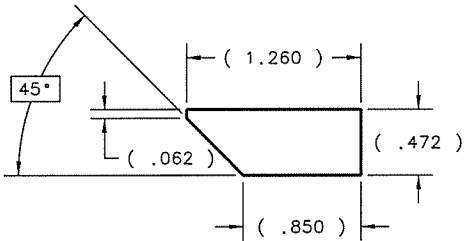
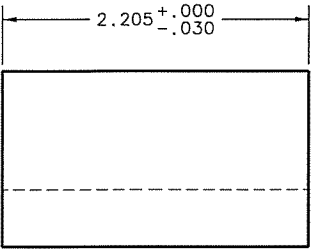
NOTES:
1. BREAK SHARP EDGES.
2. THIS PART REPLACE EXISTING PART 12051.

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659	
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.015 ANGULAR ±1° 0 DIAMETRICAL SEE SPEC S-002		DESIGNED BY: DAVID DEAN DRAWN BY: DAVID DEAN CHECKED BY: M. RASCON APPROVED: W. DAVISON APPROVED:		DATE: 7/23/02 8/27/02 10/30/02 10/30/02	
MATERIAL ALUMINUM		12523		CATEGORY: 90° BOK TELESCOPE	
FINISH NONE		NEXT ASSY USED ON		PROJECT: PRIME FOCUS	
ASSEMBLY APPLICATION		CURRENT TIME/DATE/FILE LOCATION:		TITLE: TOP BOX GUIDE CAMERA SIDE PLATE BAR (SHORT)	
		DRAWING ARCHIVE LOCATION: http://dovinci.as.arizona.edu/acod/default.html		PLOT SIZE SCALE: D 1=1.5	
				DRAWING NUMBER: 12630	
				REVISION: A	
				SHEET OF 1	

FM

29


REVISIONS				
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A	INITIAL RELEASE	10/30/02	DAVID DEAN	W. DAVISON



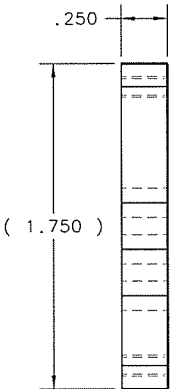
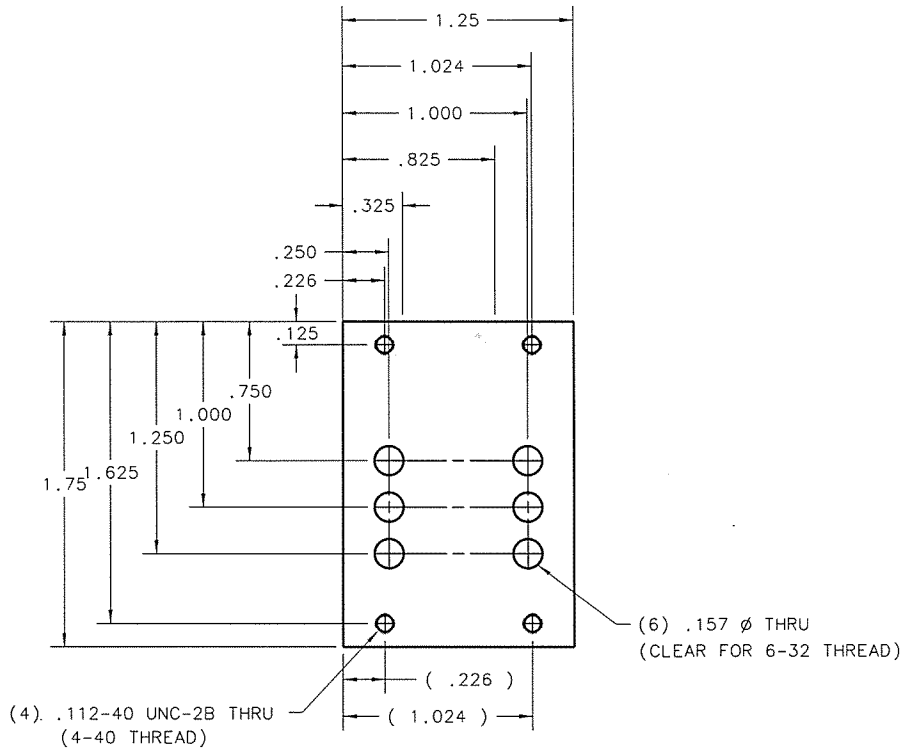
ISO 1=1.5

26

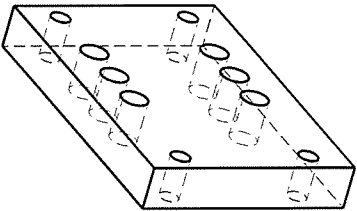
NOTES:
1. JIM OR WARREN NEED TO SPEC OUT THIS PICK OFF MIRROR.
2. RELIEVE ALL SHARP CORNERS .01 TO .02.

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94	THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>	 Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR ANGULAR .X = ±N.A. ± *N.A. .XX = ±N.A. .XXX = ±N.A. DIAMETRICAL SEE SPEC 5-002		DESIGNED BY: DAVID DEAN	DATE: 7/23/02	CATEGORY: 90 " BOK TELESCOPE	
		DRAWN BY: DAVID DEAN	8/28/02	PROJECT: PRIME FOCUS	
		CHECKED BY: M. RASCON	10/30/02	TITLE: TOP BOX GUIDE CAMERA PICK OFF MIRROR	
		APPROVED: W. DAVISON	10/30/02		
APPROVED:					
MATERIAL ? ?		12523			
	NEXT ASSY	USED ON			
FINISH ?	ASSEMBLY APPLICATION	CURRENT TIME/DATE/FILE LOCATION: DRAWING ARCHIVE LOCATION: http://davinci.as.arizona.edu/ocad/default.html			
PLOT SIZE SCALE: D 1=1.5			DRAWING NUMBER: 12636	REVISION: A	
SHEET				OF 1	

REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	12/17/02	D. DEAN	W. DAVISON



214150 (no unit)



ISO

- NOTES:
1. DEBURR SHARP EDGES
 2. SURFACE FINISH 63 R.M.S. U.N.

503 1493

DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		THIS DRAWING CREATED IN: ACAD <input type="checkbox"/> MECH <input type="checkbox"/> IDEAS <input checked="" type="checkbox"/>		Steward Observatory, University of Arizona 933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659			
TOLERANCES UNLESS OTHERWISE SPECIFIED LINEAR .X = ±.04 .XX = ±.02 .XXX = ±.010 ANGULAR ± 0°30' DIAMETRICAL SEE SPEC S-002				DESIGNED BY: DAVID DEAN	DATE: 12/10/02	CATEGORY: 90" BOK TELESCOPE	
				DRAWN BY: DAVID DEAN	12/16/02	PROJECT: PRIME FOCUS	
				CHECKED BY: W. DAVISON	12/17/02	TITLE: TOP BOX GUIDE CAMERA STAGE SENSOR BLOCK	
				APPROVED: W. DAVISON	12/17/02		
				APPROVED:			
MATERIAL ALUMINUM				APPROVED:		PLOT SIZE D	SCALE: 1=2
		NEXT ASSY USED ON		APPROVED:		DRAWING NUMBER: 12780	REVISION: A
FINISH NONE		ASSEMBLY APPLICATION		CURRENT TIME/DATE/FILE LOCATION: DRAWING ARCHIVE LOCATION: http://dovinci.as.arizona.edu/acad/default.html			
						SHEET OF 1	