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ITEM	PART NO.	REQD	DESCRIPTION	MATERIAL
10		6	M3 X .50 SOCKET HD CAP SCREW X 12.0	STEEL
9		8	3.18 mm DIA. GAGE PIN	STEEL
8	21F756-3	2	BOND FIXTURE TEMPORARY INSERT #2	ALUM
7	21F756-1	2	BOND FIXTURE TEMPORARY INSERT #1	ALUM
6	21F755-3	1	BOND FIXTURE CAVITY PLATE	ALUM
5	21F755-1	1	BOND FIXTURE CAVITY PLATE	ALUM
4	21F754	1	BOND FIXTURE CAVITY PLATE	ALUM
3	21F753	1	BOND FIXTURE CAVITY PLATE	ALUM
2	21F752	1	BOND FIXTURE PRESSURE PLATE	ALUM
1	21F751	1	BOND FIXTURE BASEPLATE	ALUM

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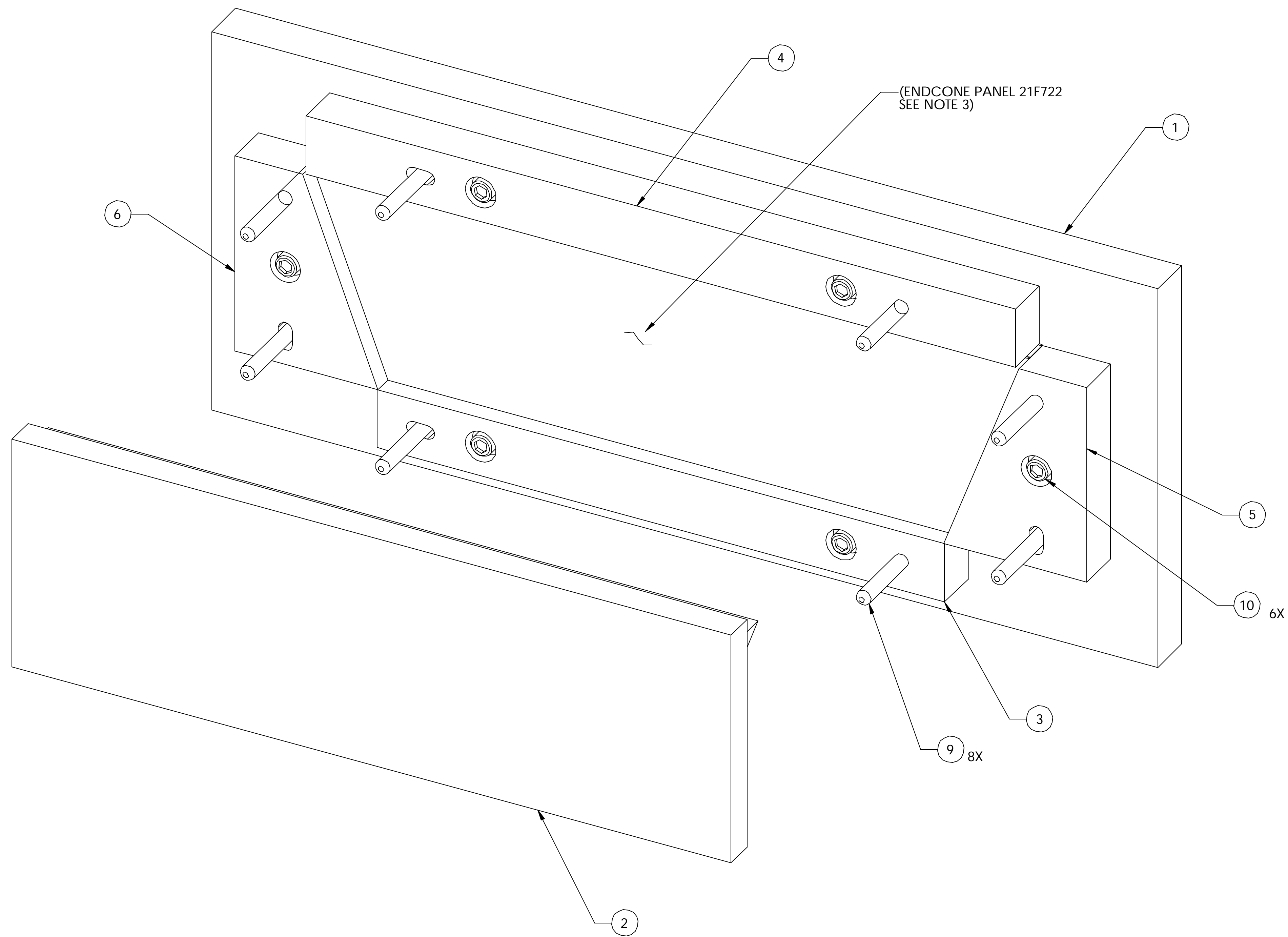
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(ENDCONE PANEL 21F722
SEE NOTE 3)

- NOTES: UNLESS OTHERWISE SPECIFIED
- SEE PART FOR ADHESIVE SPECIFICATIONS
 - DIMENSIONS REPRESENT FINAL DIMENSION FOR ENDCONE PANEL PART NO. 21F722
 - PANEL SHOWN IN PRE-MACHINED STATE, WITHOUT THREADED BUSHINGS
 - 4.50 DIA. HOLE AND COUNTERBORE USED TO BOND THREADED INSERT INTO PANEL

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER. NO.		ERNEST ORLANDO LAWRENCE	
TOLERANCES	X.X ± 0.5	FRAC.	± 1/64	NO.	DATE	BERKELEY NATIONAL LABORATORY	
	X.XX ± 0.25	ANGLES	± 30°	REQD.	ISSD	UNIVERSITY OF CALIFORNIA - BERKELEY #	
	X.XXX ± 0.013	FINISH	1.6	DATE	REQD.	ATLAS PIXEL DETECTOR	
						ENDCONE PANEL	
						BOND FIXTURE ASSEMBLY	
DO NOT SCALE PRINT				INDEX METHOD TAG		MICROFILMED:	
THREADS ARE CLASS 2				PROJECT NAME		DWG. TYPE	
CHAMFER ENDS OF ALL SCREW THREADS 30°				PROJECT NO. ATL-IP-ED-XXXX		ASSEM	
CUT ROUNDS, 1.5 THREAD RELIEF ON MACHINED THREADS				PROJECT US ATLAS SILICON SUBSYSTEM		N/A	
BREAK EDGES, .016 MAX. ON MACHINED WORK				DWG. W. K. MILLER		SCALE: 2:1	
REMOVE BURS, WELD SPLATTER & LOOSE SCALE				CHK. BILL WILDS		DO NOT SCALE PRINTS	
IN ACCORDANCE WITH ASME Y14.5m & B46.1				DATE 4/16/2002		SHEET 1 OF 2	
REV DWG				DATE 4/16/2002		DWG. NO. 21F7504	
CHK ZONE				DATE 4/16/2002		SIZE	
DATE				PATEENT CLEAR:		REV.	
CHANGES				DESIGN ACCT. NO. P1AP-11		AP6250	
				CATEGORY CIDE		21F7504	

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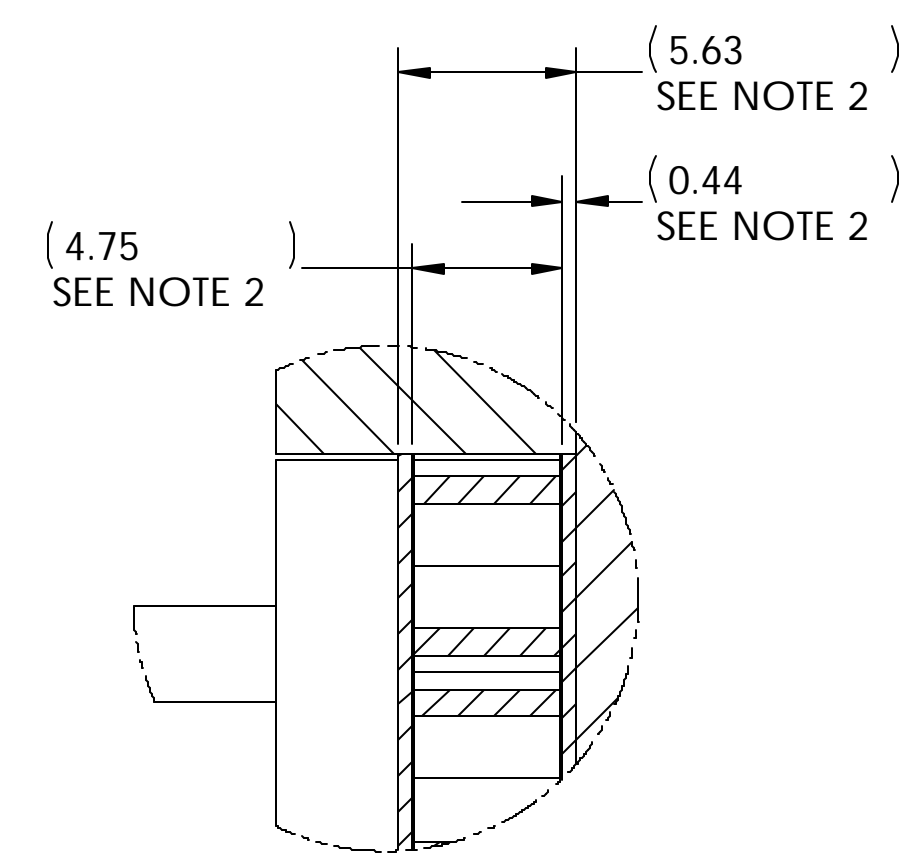
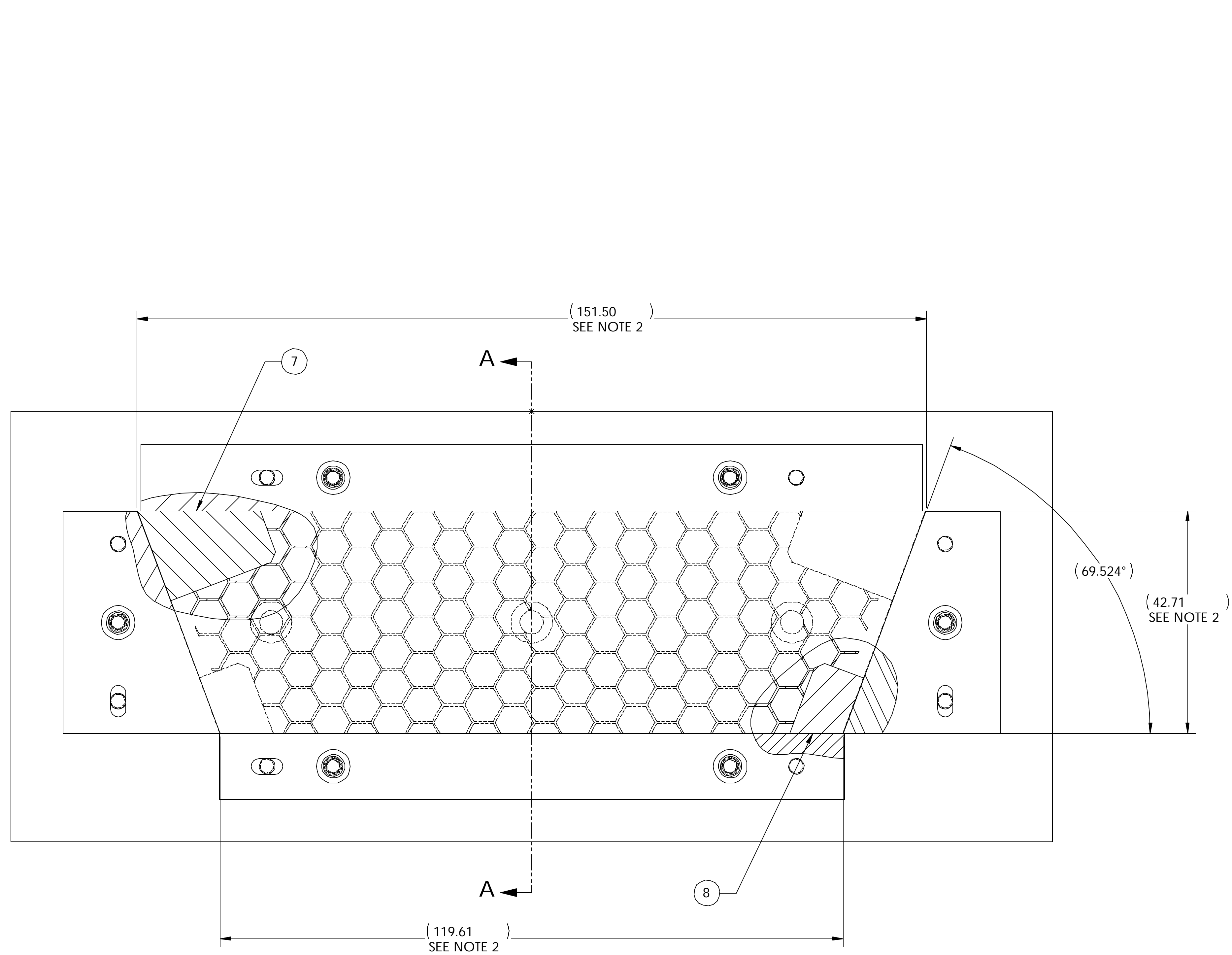
DWG. NO.	SIZE	REV.	SER.
21F750 4	=	2	
ITEM	PART NO.	REQD	DESCRIPTION
			MATERIAL

D

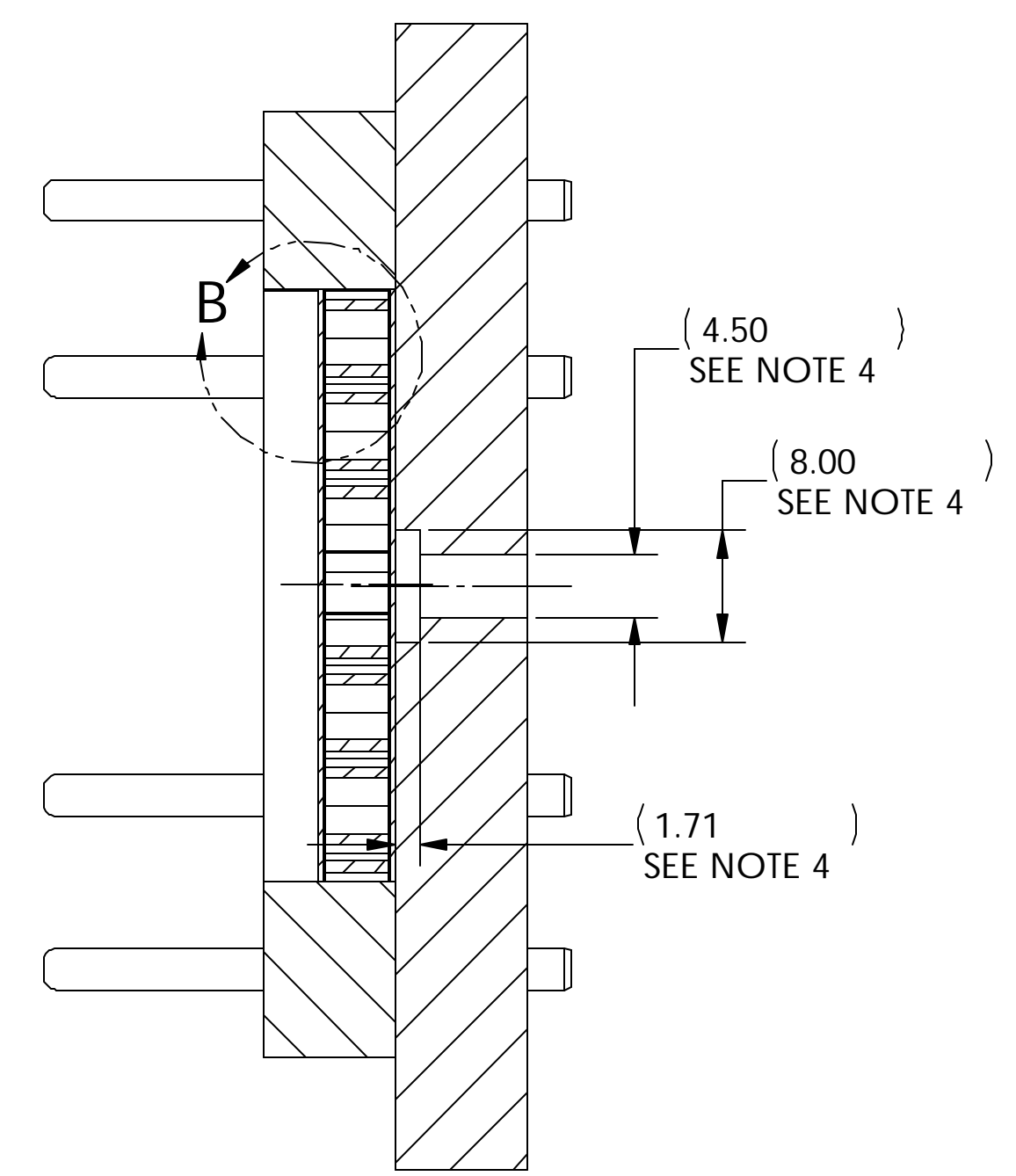
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DETAIL B
SCALE 4 : 1



SECTION A-A
SCALE 2 : 1

ITEM 2 NOT SHOWN

- NOTES: UNLESS OTHERWISE SPECIFIED
- SEE PART FOR ADHESIVE SPECIFICATIONS
 - DIMENSIONS REPRESENT FINAL DIMENSION FOR ENDCONE PANEL
PART NO. 21F722
 - PANEL SHOWN IN PRE-MACHINED STATE, WITHOUT THREADED BUSHINGS
 - 4.50 DIA. HOLE AND COUNTERBORE USED TO BOND THREADED INSERT INTO PANEL

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER. NO.		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY	
TOLERANCES	X.X ± 0.5	FRAC. ± 1/64	NO. REQD	DATE ISSD	UNIVERSITY OF CALIFORNIA - BERKELEY #		
	X.XX ± 0.25	ANGLES ± 30°	DEL. TO	DATE REQD	ATLAS PIXEL DETECTOR ENDCONE PANEL		
	X.XXX ± 0.013	FINISH 1.6	SURFACE TREATMENT		BOND FIXTURE ASSEMBLY		
DO NOT SCALE PRINT				IDEN. METHOD TAG	MICROFILMED: DWG. TYPE		
THREADS ARE CLASS 2				PROJECT NO. ATL-IP-ED-XXXX	ASSEM N/A		
CHAMFER ENDS OF ALL SCREW THREADS 30°				PROJECT NAME US ATLAS SILICON SUBSYSTEM	SCALE: 2:1		
CUT ROUNDS: 1.5 THREAD RELIEF ON MACHINED THREADS				DWG. BY W. K. MILLER	SHEET 2 OF 2		
BREAK EDGES: .016 MAX. ON MACHINED WORK				DATE 4/16/2002	SIZE REV.		
REMOVE BURS, WELD SPLATTER & LOOSE SCALE				CHK BY BILL WILDS	PATENT CLEAR: DESIGN ACCT. NO. CATEGORY CIDE DWG. NO. 21F750 4		
IN ACCORDANCE WITH ASME Y14.5m & B46.1				DATE 4/16/2002	REV.		
REV	DWG	CHK	ZONE	DATE	CHANGES		

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