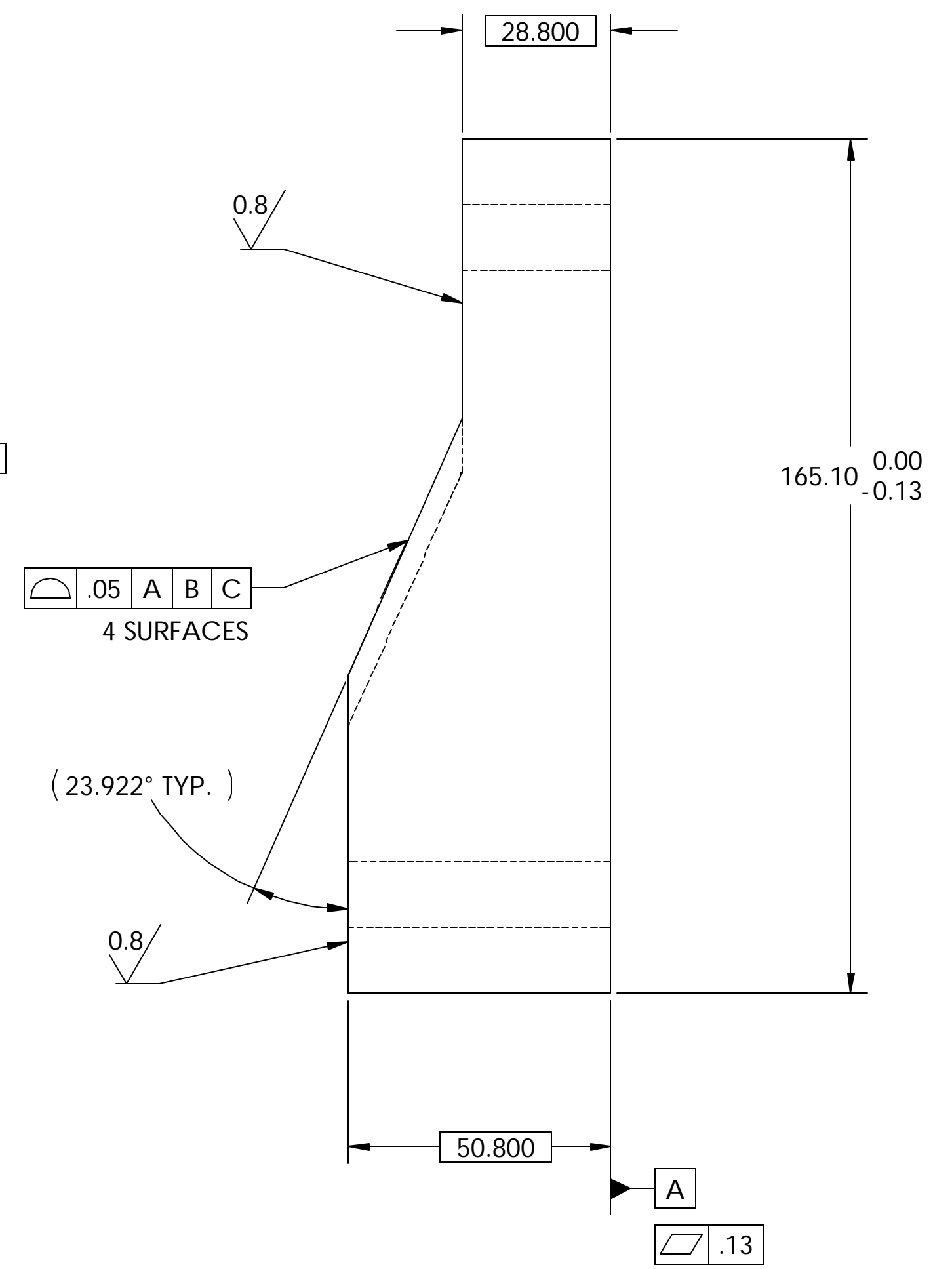
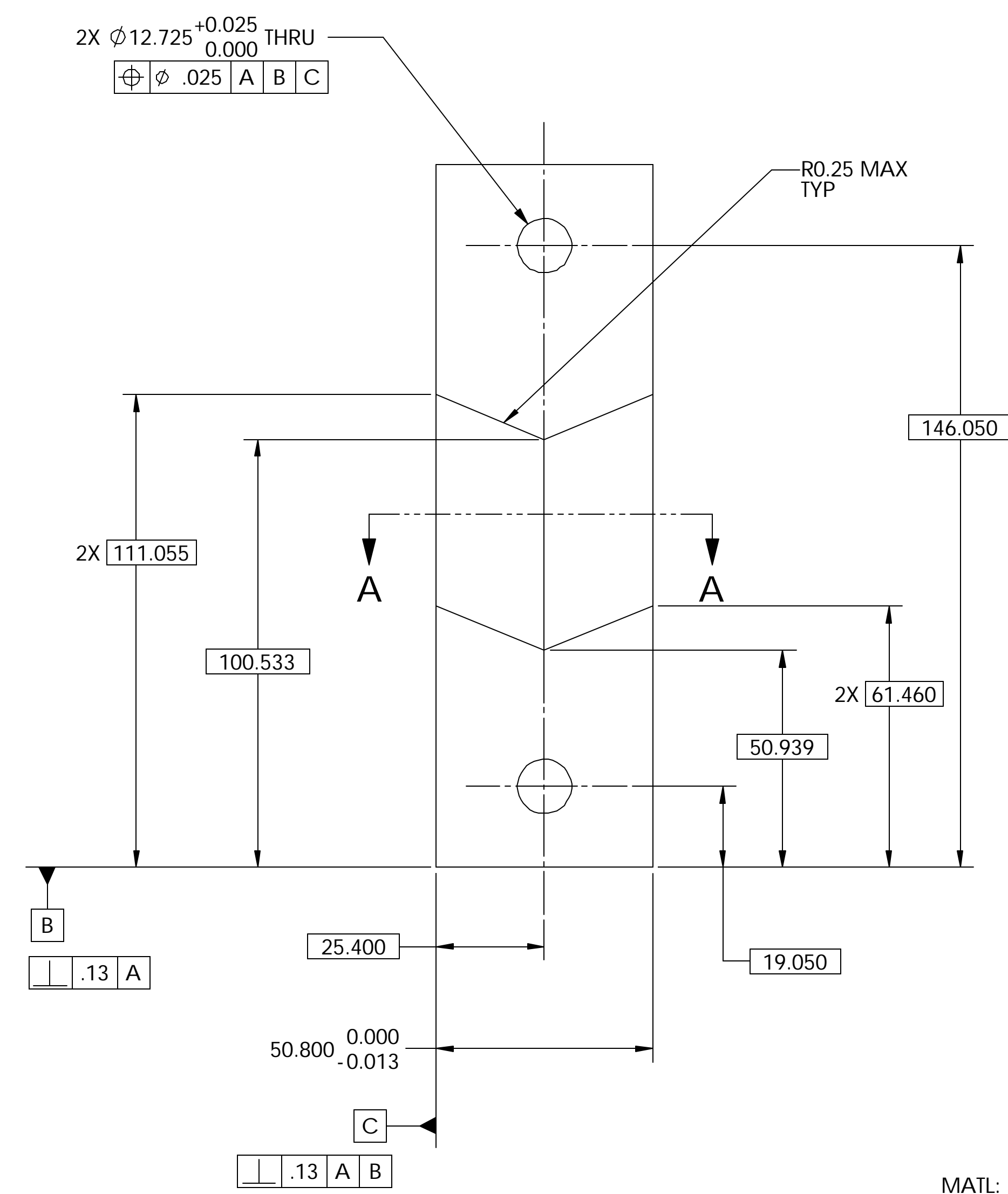
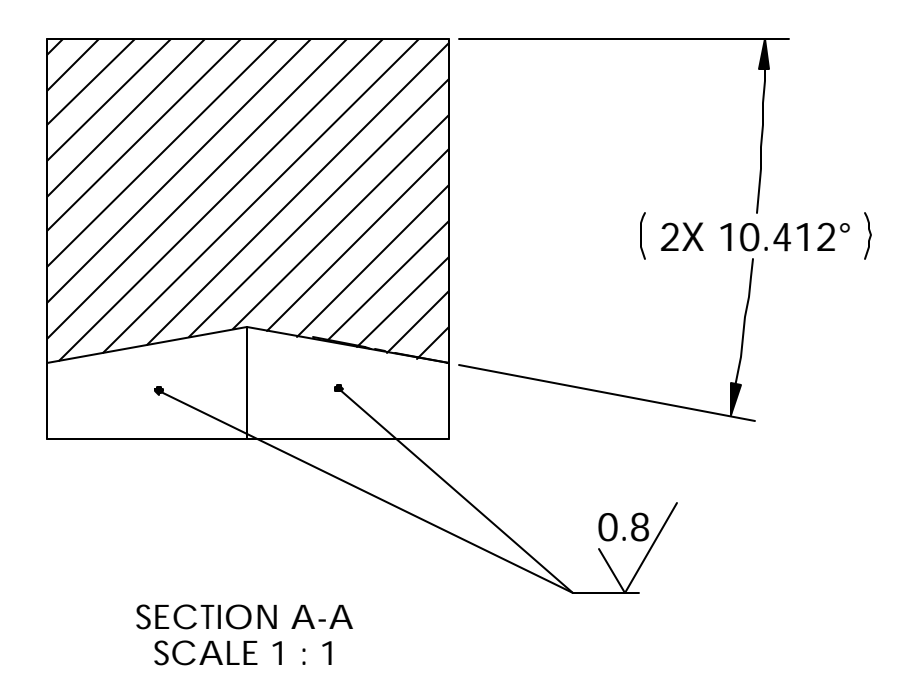


DWG. NO.	SIZE	REV.	SHEET	
21F7614		1	1	
DESCRIPTION		MATERIAL	MT. LOCATION	



MATL: 4340 ALLOY STEEL (SEE NOTE 9)

NOTES: UNLESS OTHERWISE SPECIFIED

- ALL DIMENSIONS IN MILLIMETERS
- DIMENSIONS AND TOLERANCING PER ASME Y14.5M-1994
- SURFACE TEXTURE PER ANI/ASME B 46.1-1985
- REMOVE ALL BURRS AND BREAK SHARP EDGES TO A MAXIMUM OF .38
- ALL INSIDE CORNERS TO BE .38 RADIUS MAX
- COUNTERSINK 82 DEGREES ALL TAPPED HOLES TO MAJOR DIAMETER
- COUNTERSINK 82 DEGREES APPROXIMATELY .38 DEEP ALL DRILLED HOLES
- PARTS TO BE THOROUGHLY CLEANED TO REMOVE ALL OIL, GREASE, DIRT AND CHIPS
- 4340 MATERIAL TO BE CARBORIZED AND OIL QUENCHED TO ACHIEVE Rc50 (HB 475) MINIMUM HARDNESS

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER. NO.		ERNEST ORLANDO LAWRENCE	
TOLERANCES	X.X ± 0.5	FRAC. ± 1/64	NO. REQD.	DATE ISSD	BERKELEY NATIONAL LABORATORY		
	X.XX ± 0.25	ANGLES ± 30°	DATE REQD.	UNIVERSITY OF CALIFORNIA - BERKELEY #			
	X.XXX ± 0.013	FINISH 1.6	SURFACE TREATMENT		ATLAS PIXEL DETECTOR		
DO NOT SCALE PRINT				PROJECT NAME		ENDCONE VERTEX PLATE	
THREADS ARE CLASS 2				PROJECT NUMBER		MOLD PRESS PLATE	
CHAMFER ENDS OF ALL SCREW THREADS 30°				PROJECT US ATLAS SILICON SUBSYSTEM		MICROFILMED:	
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS				DWE W. K. MILLER		DWG. TYPE	
BREAK EDGES .016 MAX. ON MACHINED WORK				CHK BILL WILDS		PART	
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE				DATE 4/16/2002		SHOWS ON	
IN ACCORDANCE WITH ASME Y14.5m & B46.1				APR E. ANDERSSSEN		SCALE: 1:1	
REV	DWG	CHK	ZONE	DATE	PATENT CLEAR:	DESIGN ACCT. NO.	DO NOT SCALE PRINTS
CHANGES				DATE 4/16/2002		SHEET 1 OF 1	
				DATE 4/16/2002		SIZE REV.	
				DATE 4/16/2002		21F7614	