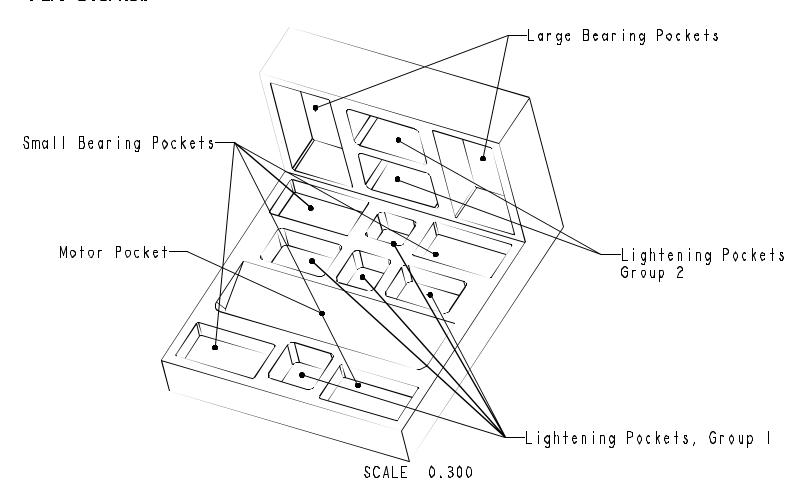
Chapter 3

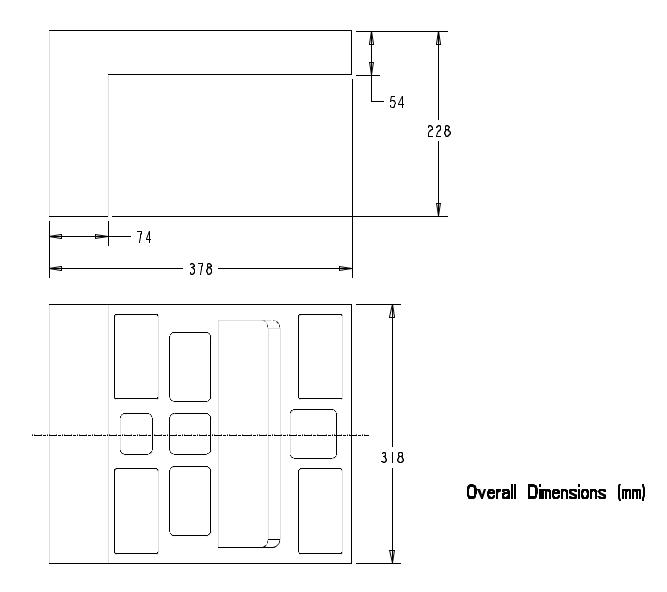
AXTRUSION PART DRAWINGS

This chapter consists of the manufacturing drawings for the prototype Axtrusion and its fixturing. These are the drawings for the machine that was actually built. The next generation carriage should include a lot of improvements. A list of these suggested improvements and the reasons for them are included in SectionA.3 on page113 of the Appendix.

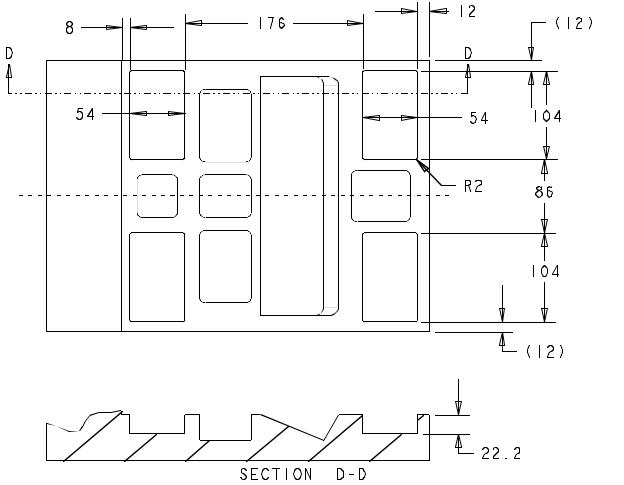
Part Overview



Drawings



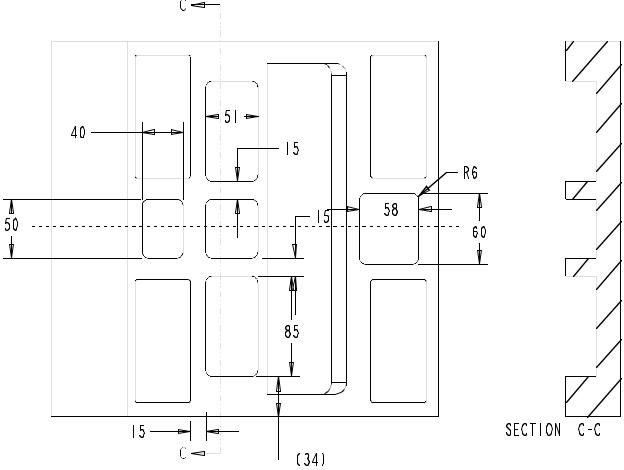
Small Bearing Pocket Dimensions



All Dimensions In mm

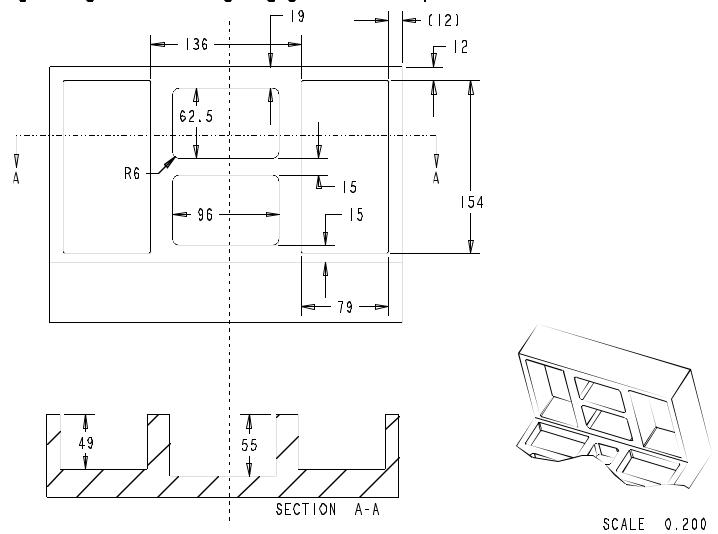
Lightening Pockets, Group 1 Dimensions (mm)

All 5 lightening Pockets are 30 mm deep from the main surface

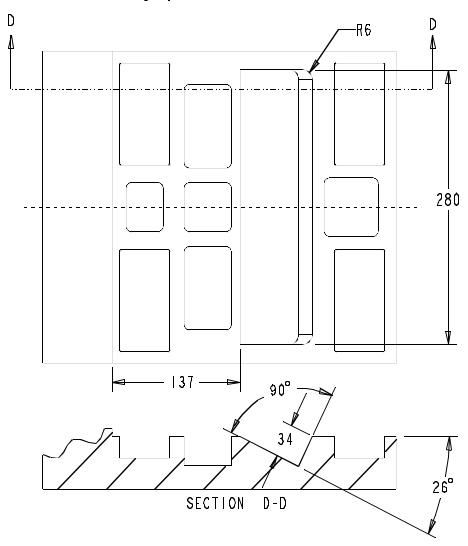


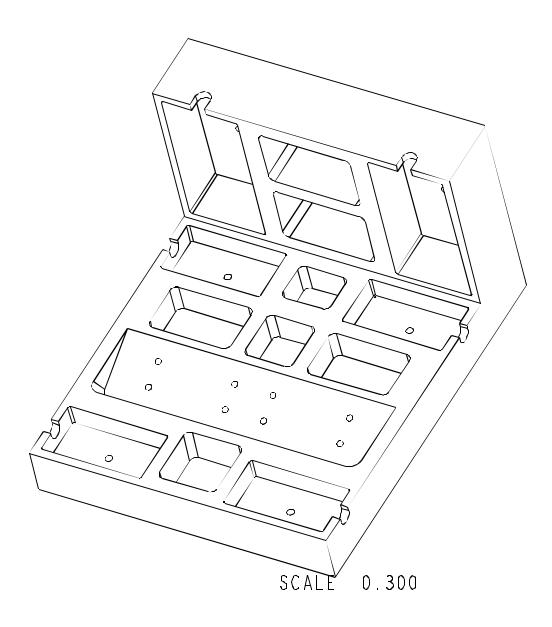
85

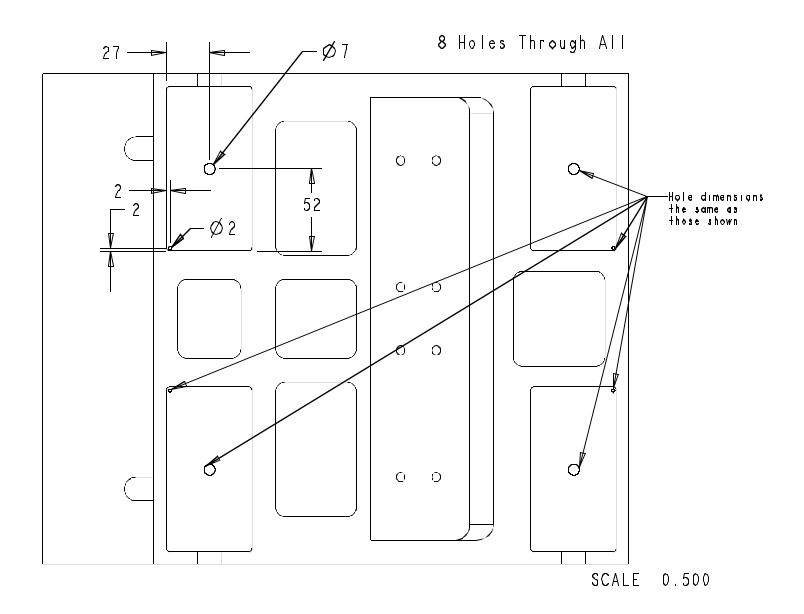
Big Bearing Pocket and Lightenging Pockets (Group 2)

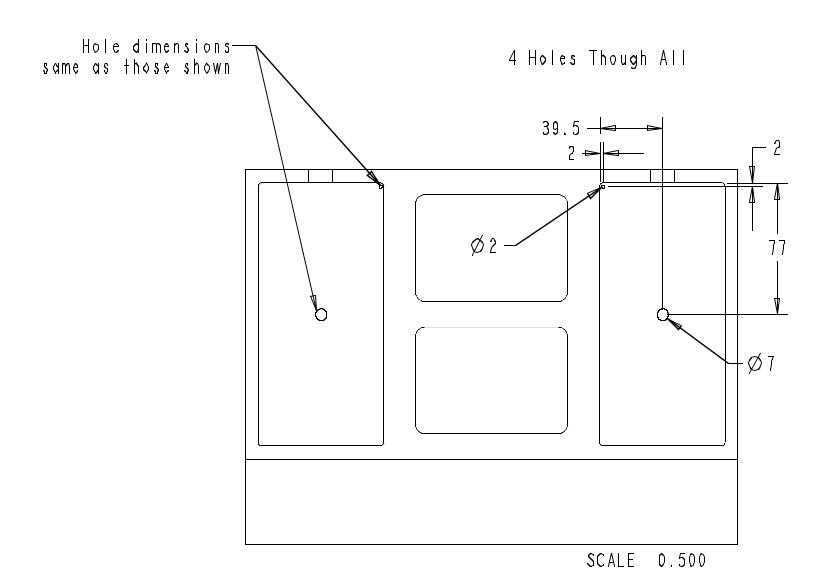


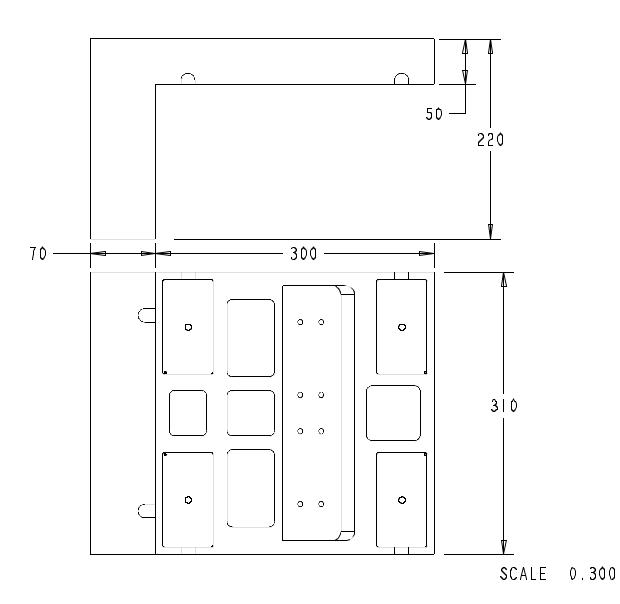
Motor Pocket Dimensions (mm)

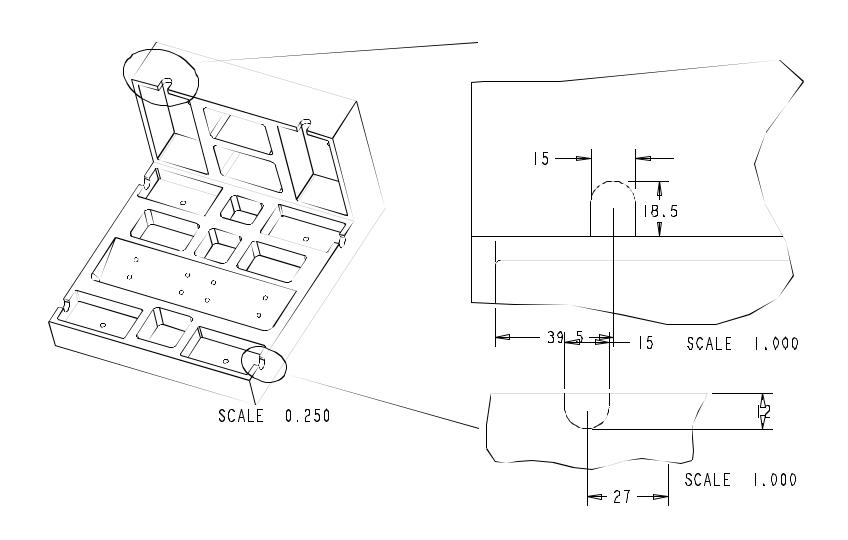


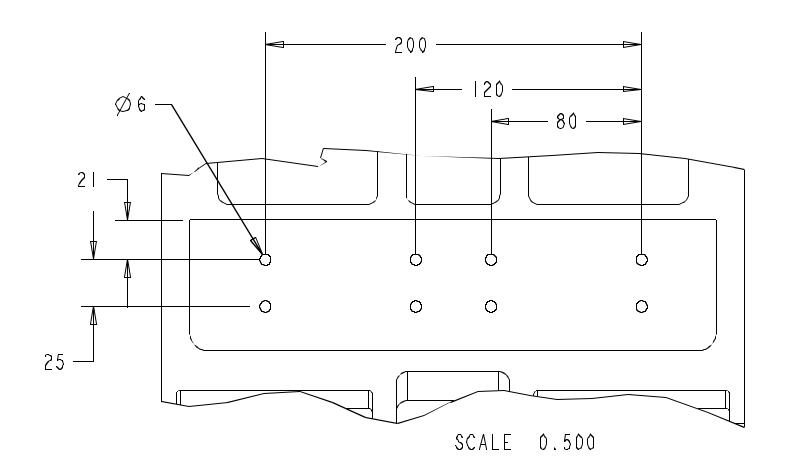


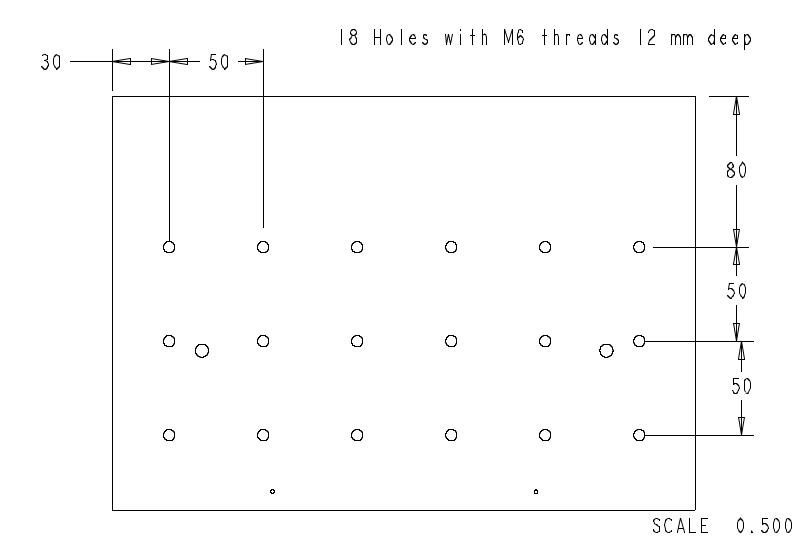




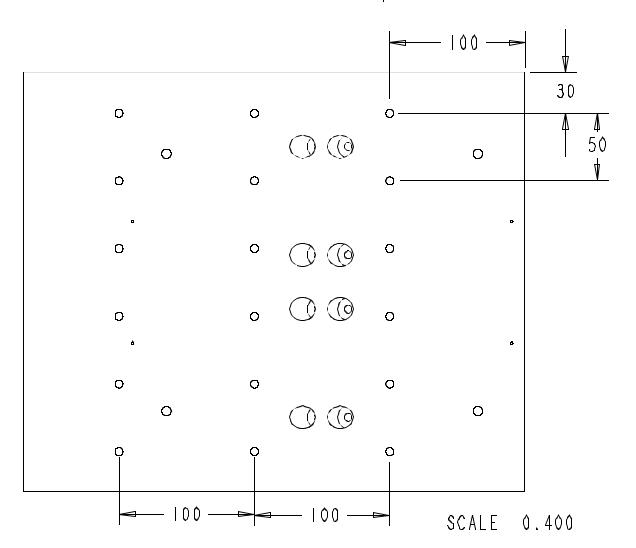


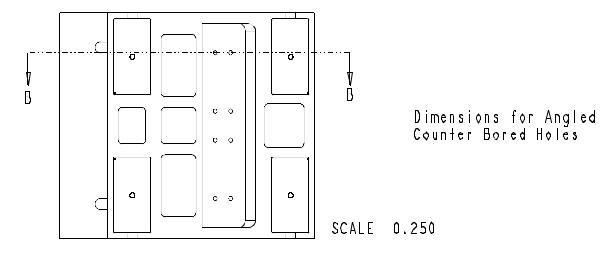


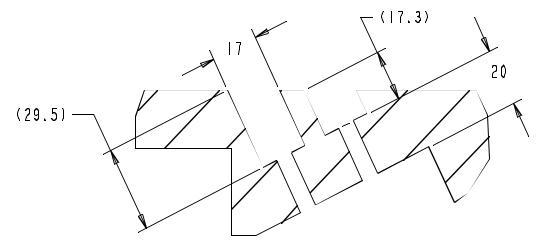




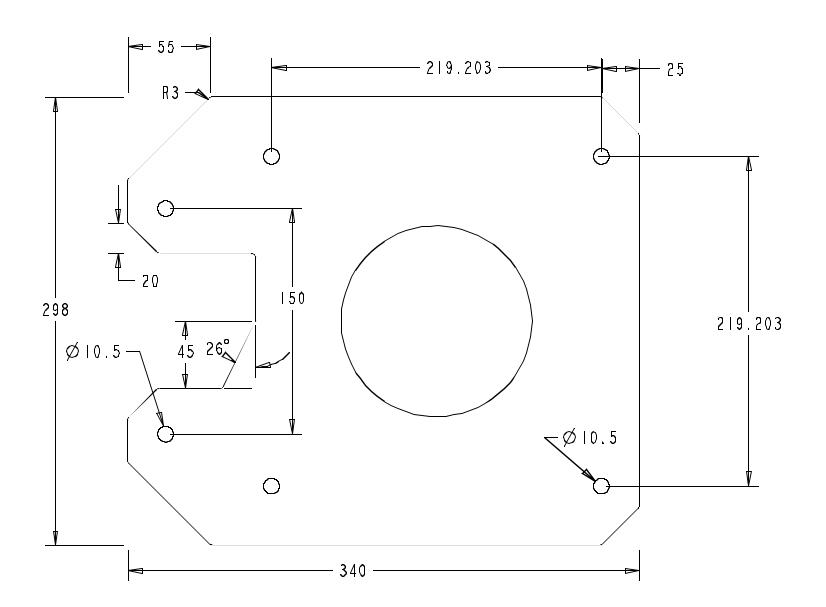
18 Holes with M6 threads 12 mm deep



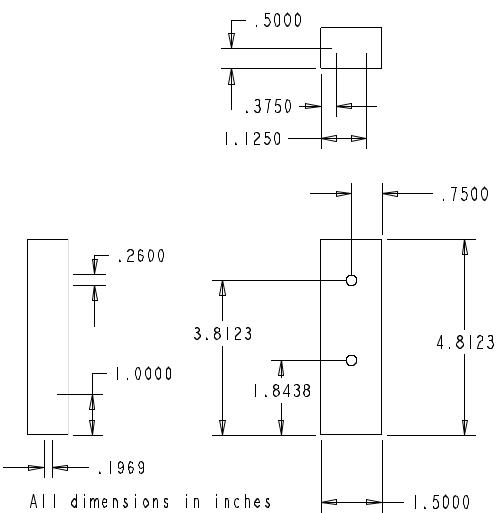


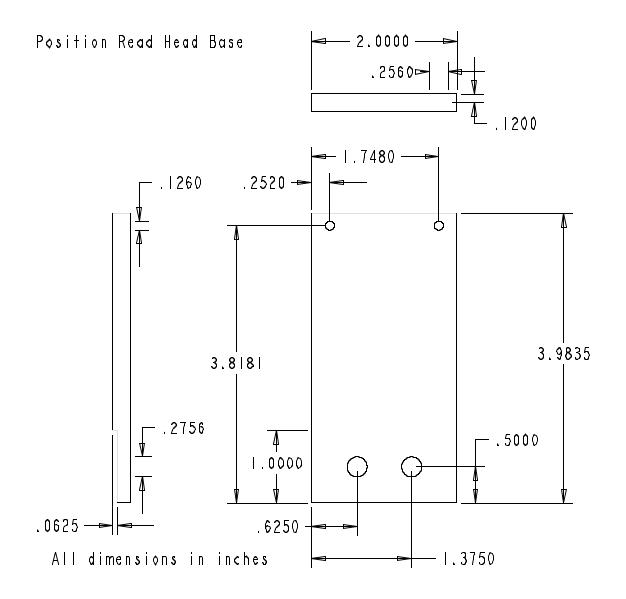


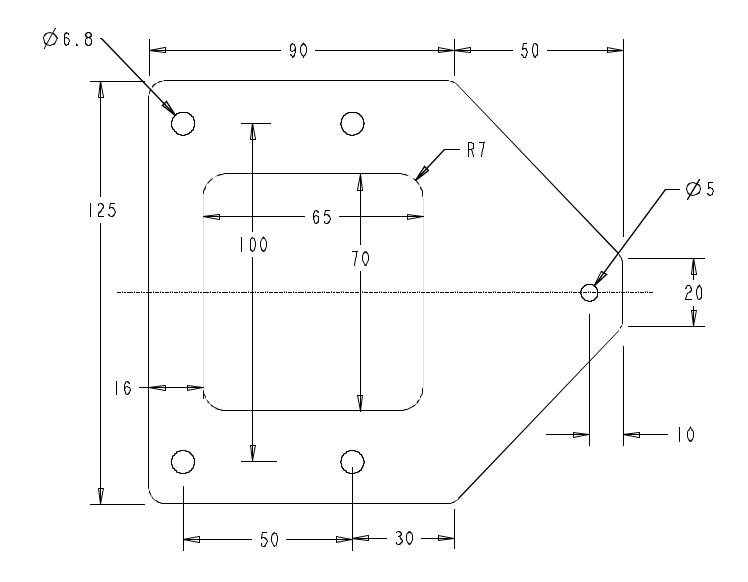
SECTION B-B SCALE 1.000

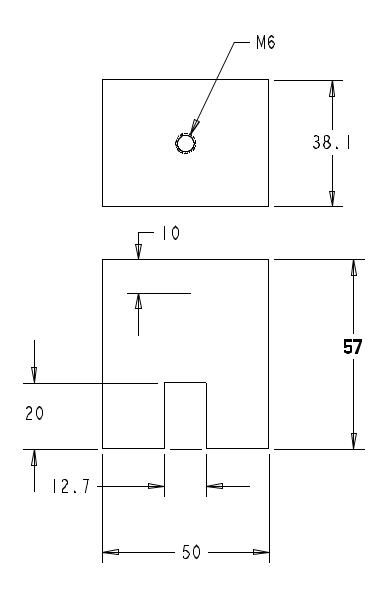


Position Read Head Mount

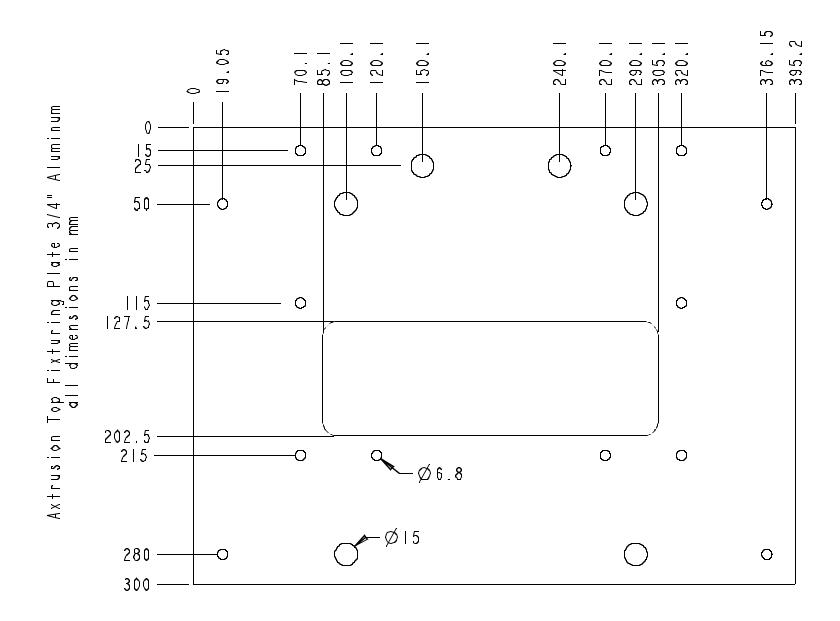








Fixture Block for Top 1.5" Aluminum Plate all dimensions in mm

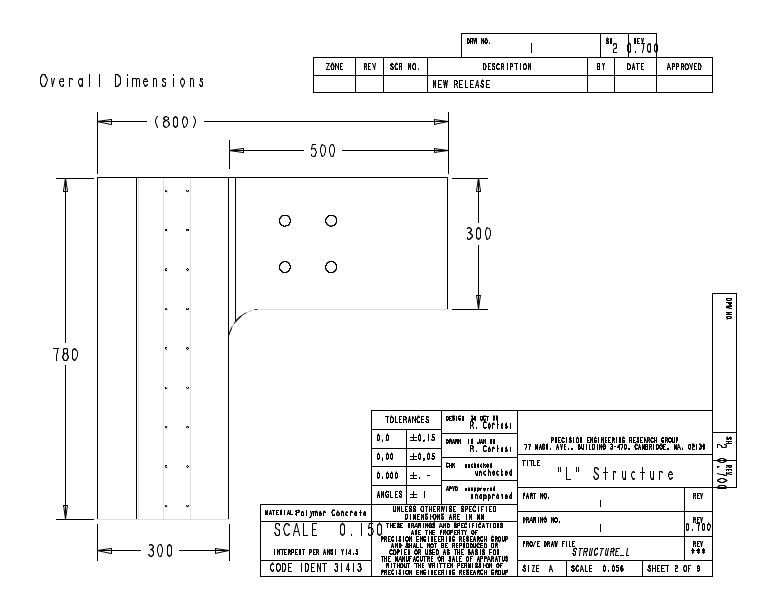


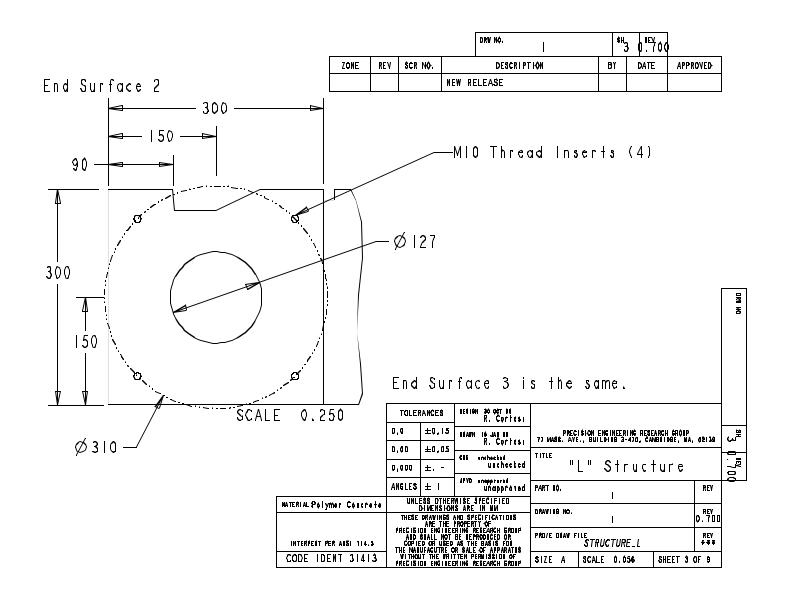
AXTRUSION PART DRAWINGS

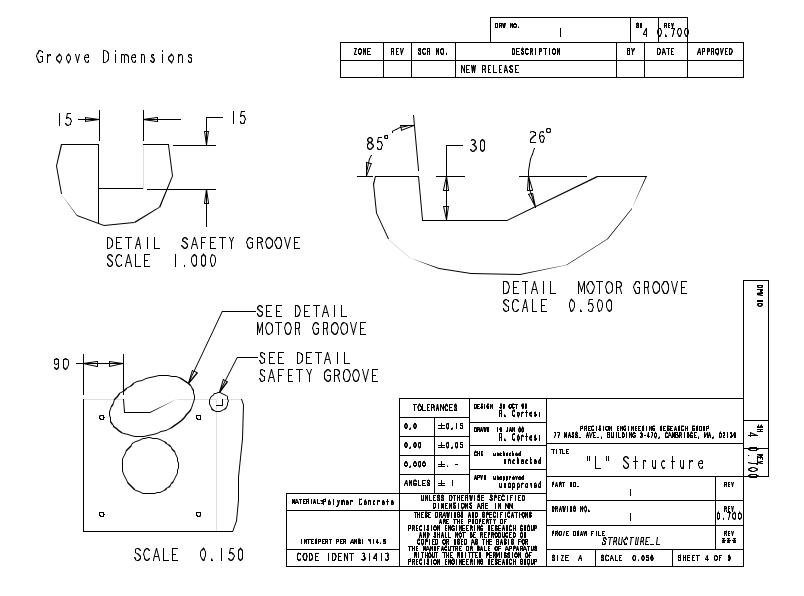
17.5 Version Ø 6.5 Ø 15 38.I 14.05 the Front num Plate ons in mm righthand 50 -19.05 25.4 $\boldsymbol{\circ}$ make 76.2

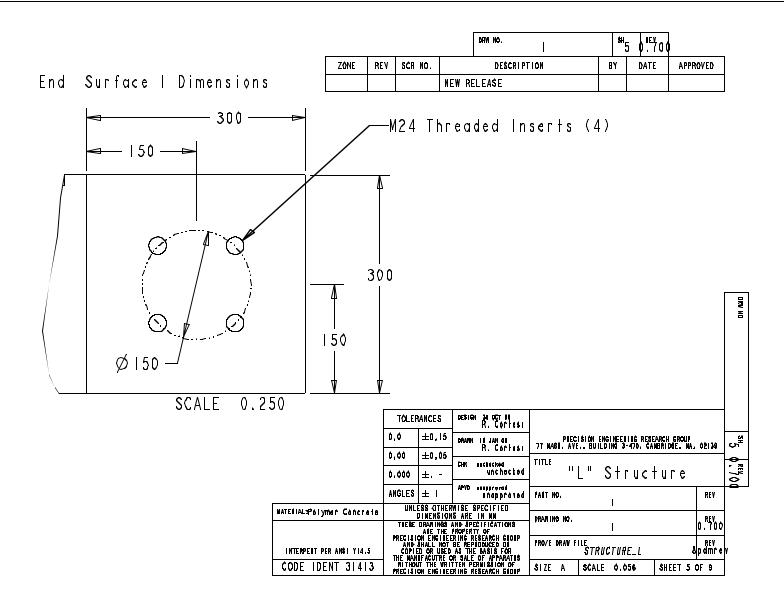
DIN NO. 0...70d SCR NQ. ZONE RE V DESCRIPTION ΒY DATE APPROVED Surface and Groove Names NEW RELEASE -Top -Mounting Surface I Frant-0 \circ -End Surface I 0 0 Õ 0 -Safety Groove O 2 丢 End Surface 3--Mounting Surface 2 -Motor Greove Bottom Surface--Encoder Surface DEBIGE 36 OCT 15 R. Cortasi TOLERANCES Ò,Ó ±0,15 PIECIBIÓN ENGINEEIINÓ RESEARCH ÓIÚIP 77 MASS. AVI., BUILDING 3-47D, CAMBIIDGE, MA, D213D PRATE IT JAN 11 R. Cortesi ±0,05 0.00 -Core TITLE CHK unchecked unchecked **0**"Yor SCALE 0.120 "L" Structure Q,DOD APVD IIIpprerii ANGLES ± 1 PART NO. RE V unapproted -End Surface 2 UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM
THESE DRAWIES AND SPECIFICATIONS
THE DRAWIES AND SPECIFICATIONS
PRECISION SHOWNERS FOR PRODUCE OF THE PRODUC MATERIAL:Polymer Concrete DRAFINÐ NO≻. 6.760 FROZE BRAW FILE STRUCTURE_L REV FFF INTERPERT FEE ANSI 114.5 CODE IDENT 31413 SCALE 0.075 SHEET I OF 1 SIZE A

Drawings 104

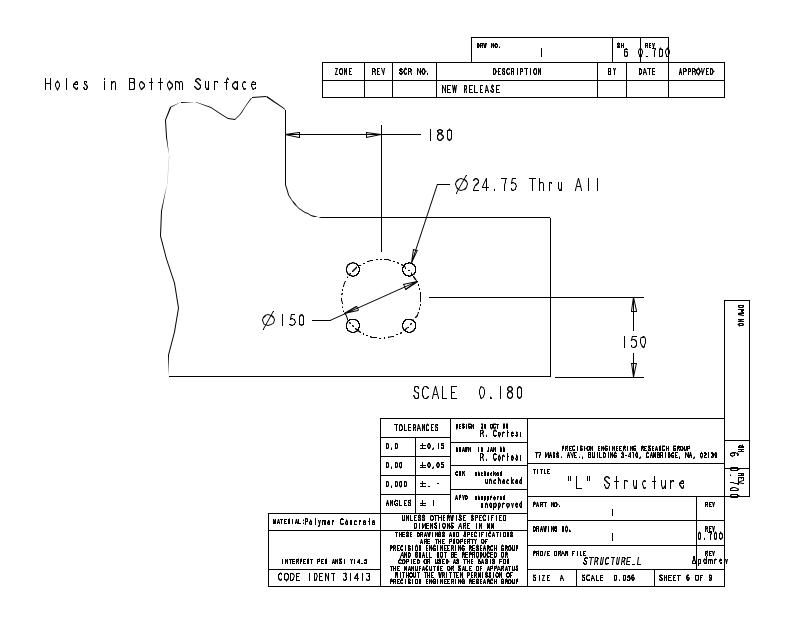


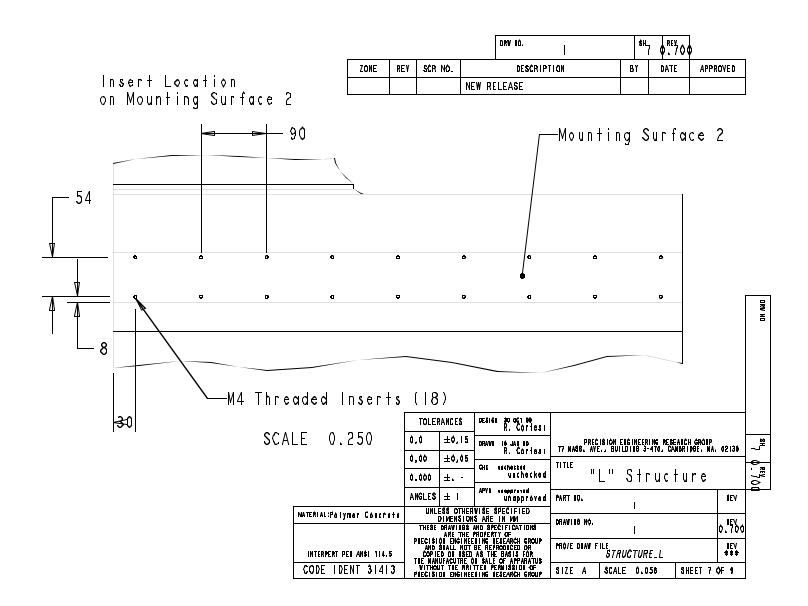






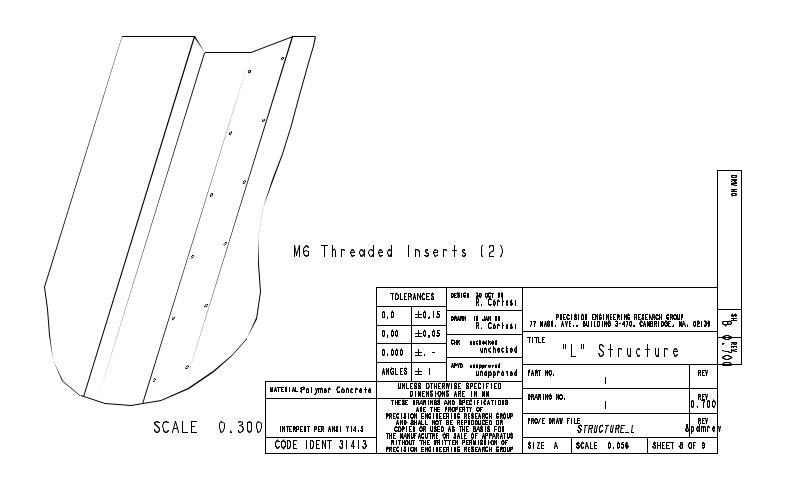
Drawings





Insert Location on Encoder Surface

				DIN NO.	I	ŝi (3 10 10 1	
ZÔNE	REV	SCH NO.	DESCRIPTION			BY	DATE	APP ROVED
			NEW RELEASE					



			DIR NO.	ŝi	9 0.700	
ZONE	REV	SCH NO.	DESCRIPTION		DATE	APP RÔVED
			NEW RELEASE			

Insert Loction for Harware Mounting

