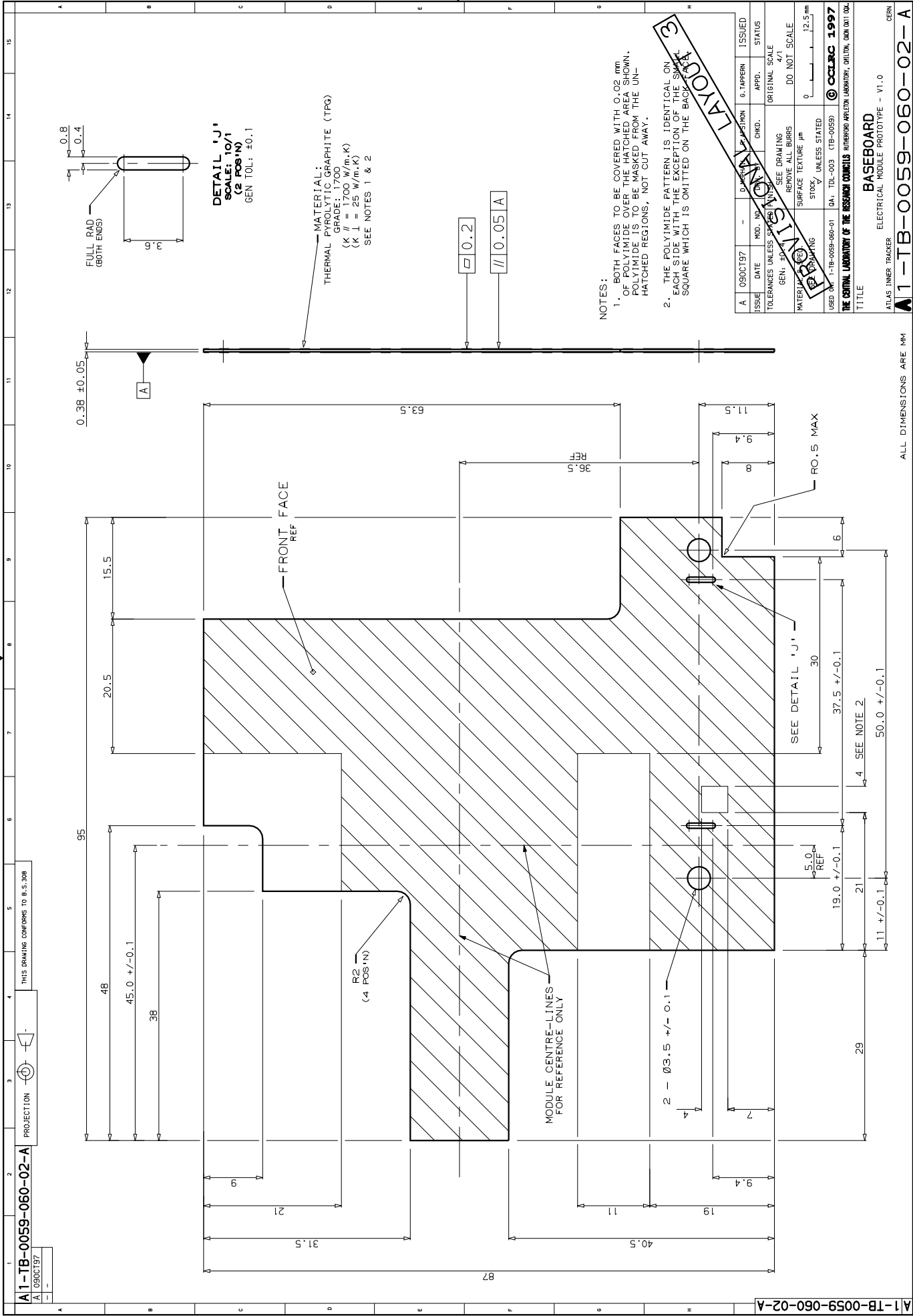
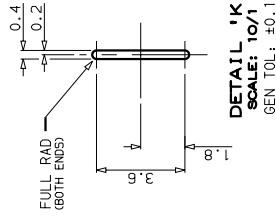
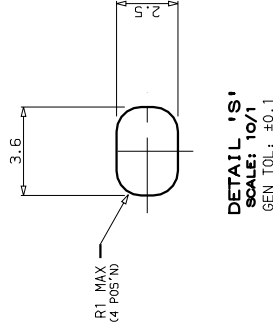
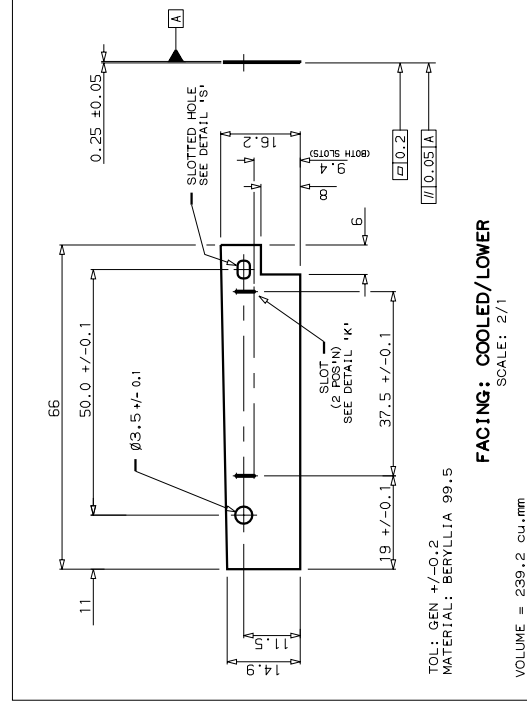
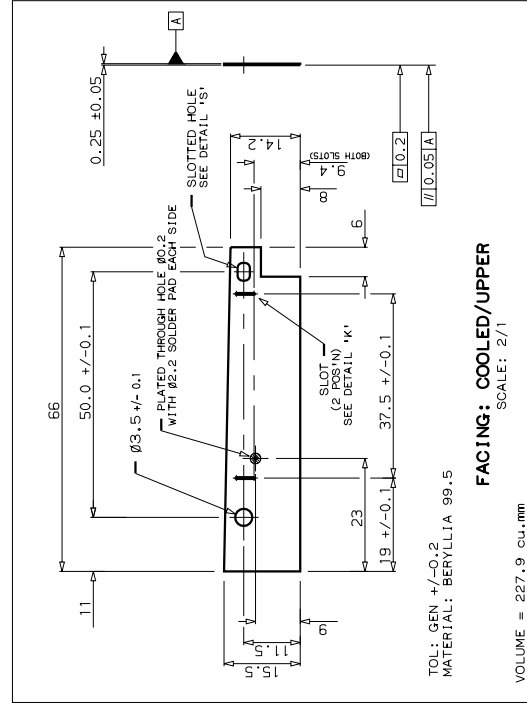
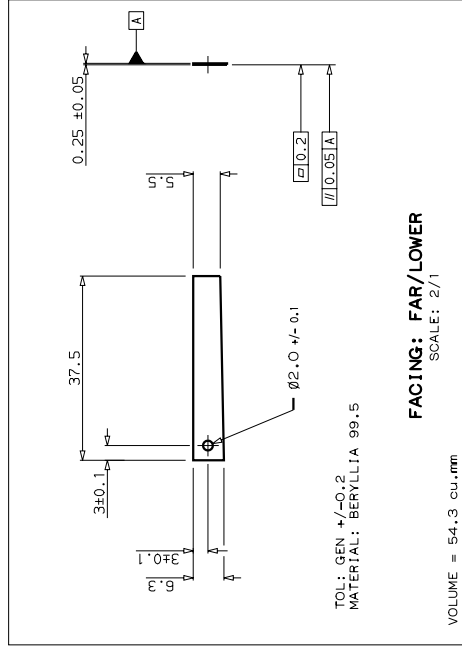
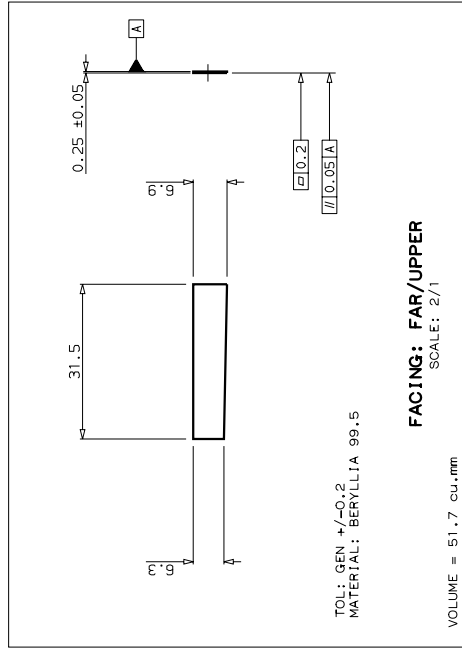




A	090CT97
-	-

[illegible]

FIELD UNIT	UNIT 1 DE-VVJ (10-VVJ)	
THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS		
RUTHERFORD APPLETON LABORATORY, CHILTON, OXON OX11 0QX		

TITLE	MOD III E COMPONENTS

MODULE COMPONENTS

ELECTRICAL MODULE PROTOTYPE - V1.0

1-TB-0059-060-03-A

3
SHEET
OF

djm4, FK13500, 12.09.23, 03-SEP-97

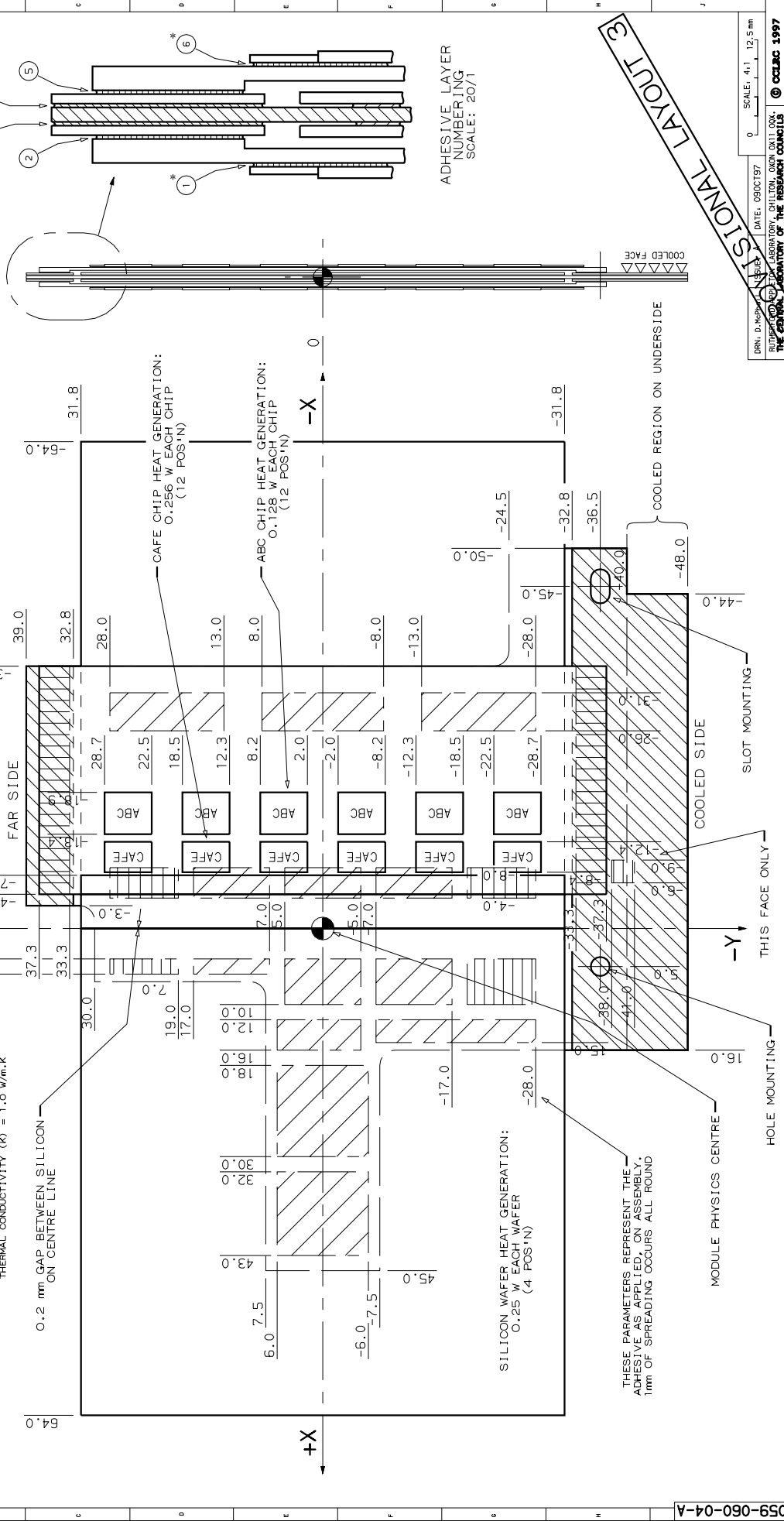
- ADHESIVE TYPE A:** 2011 THERMAL EPOXY ADHESIVE
LOADED WITH BORON-NITRIDE
FOR DETAILS SEE M.GIBSON
TYPICAL THICKNESS: 0.08 mm
THERMAL CONDUCTIVITY (K) = 0.5 W/m.K
- ADHESIVE TYPE B:** CYANOACRYLATE ADHESIVE
TYPICAL THICKNESS: 0.01 mm
THERMAL CONDUCTIVITY (K) = 0.1 W/m.K
- ADHESIVE TYPE C:** ELECTRICALLY CONDUCTIVE
SILVER LOADED EPOXY
TYPICAL THICKNESS: 0.08 mm
THERMAL CONDUCTIVITY (K) = 1.0 W/m.K

LAYERS 3 & 4
ADHESIVE COVERAGE
(BETWEEN SILICON AND
BASEBOARD - BOTH SIDES)
ADHESIVE TYPE A

LAYERS 2 & 5
ADHESIVE COVERAGE
(BETWEEN HYBRID AND
FACINGS - BOTH SIDES)
ADHESIVE TYPE B

LAYERS 2 & 5
ADHESIVE COVERAGE
(BETWEEN SILICON UN-PASSIVATED
PADS AND BASEBOARD - BOTH SIDES)
ADHESIVE TYPE C

* LAYERS 1 & 6 ARE CONTINUOUS UNDER
THE FACINGS TO THE HYBRID.
ADHESIVE TYPE A

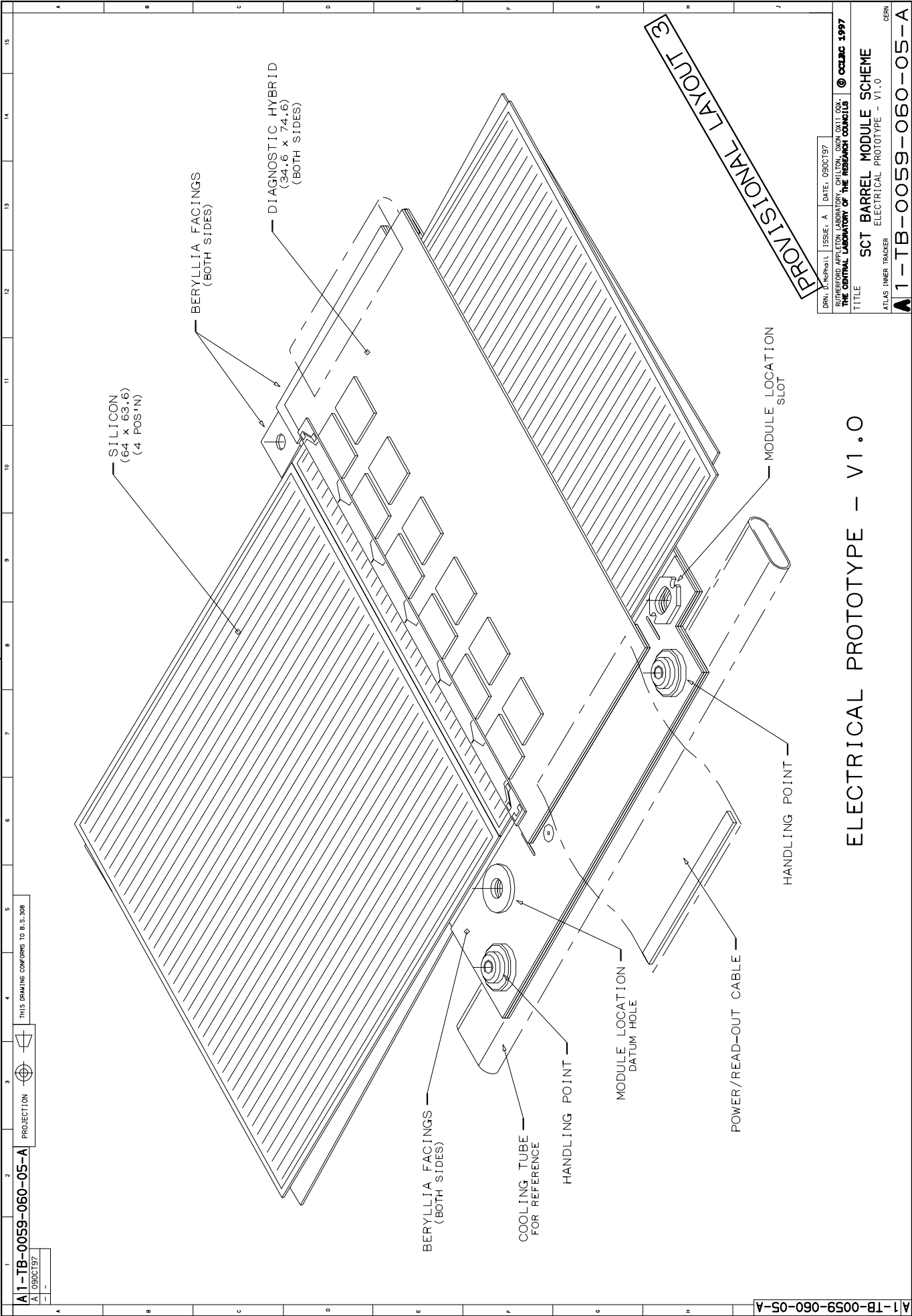


ADHESIVE LAYER DETAILS SCALE: 4/1

SEE SHEET 1 FOR LAYER DETAILS
SEE SHEET 2 FOR BASEBOARD DETAIL
SEE SHEET 3 FOR FACING BOARD DETAILS

ATLAS INNER TRACKER
ELECTRICAL PROTOTYPE - V1.0
CERN

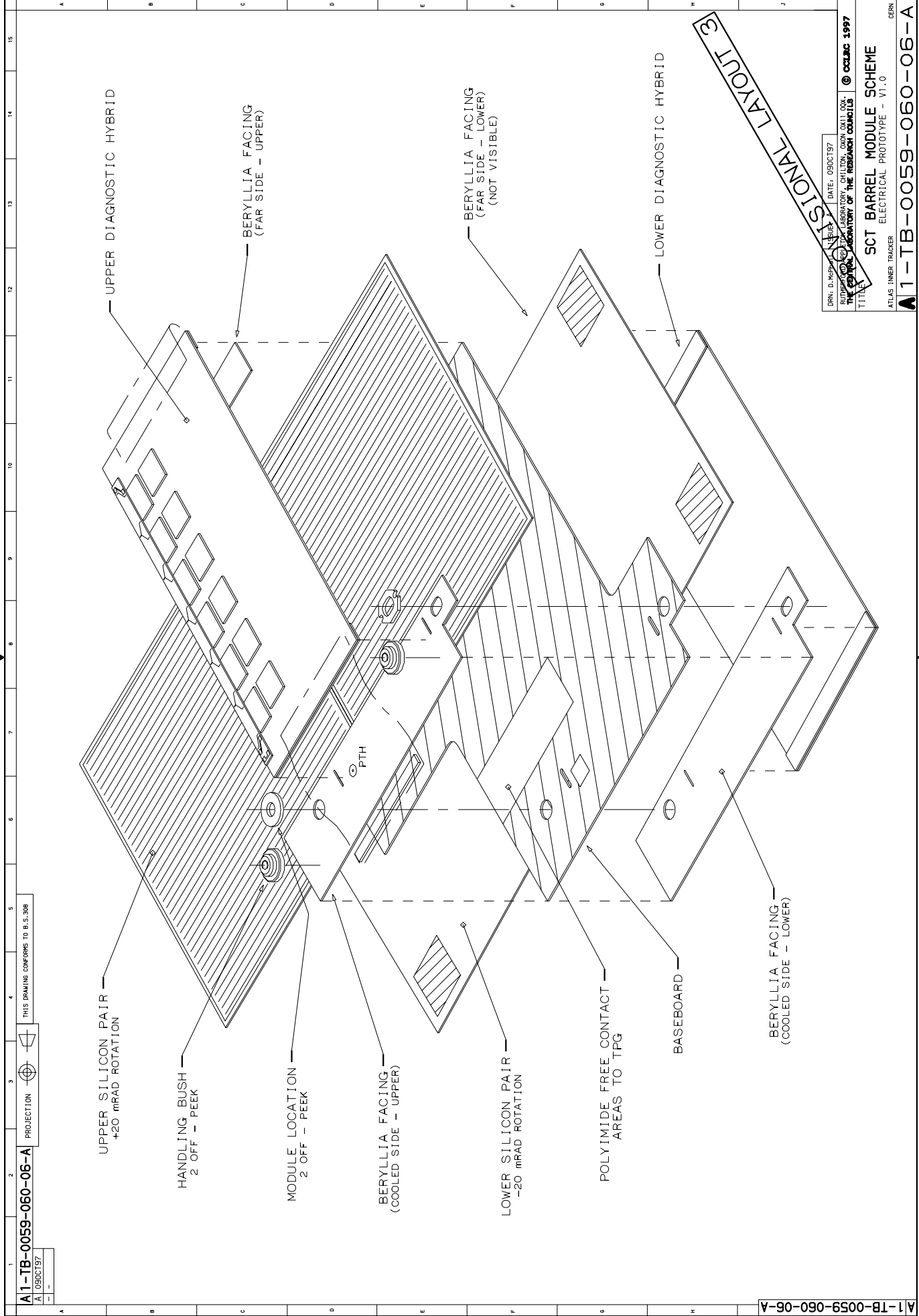
A11-TB-0059-060-04-A



DRN: 090C197	ISSUE: A	DATE: 090C197
THIS DRAWING IS FOR THE PROPOSED APPLICATION OF THE ATLAS INNER TRACKER.		
THE CENTRAL ELEMENT OF THE PROPOSED SCHEME IS:		
TITLE: SCT BARREL MODULE SCHEME		
ATLAS INNER TRACKER ELECTRICAL PROTOTYPE - V1.0		
CERN		

ELECTRICAL PROTOTYPE - V1.0

1-TB-0059-060-05-A



A1-TB-0059-060-06-A
 A 090CT197
 THIS DRAWING CONFORMS TO B.S. 308
 PROJECTION

DRN: D. HARRIS
 DATE: 090CT197
 TITLE: SCT BARREL MODULE SCHEME
 ELECTRICAL PROTOTYPE - V1.0
 CERN

A1-TB-0059-060-06-A
 SHEET 6