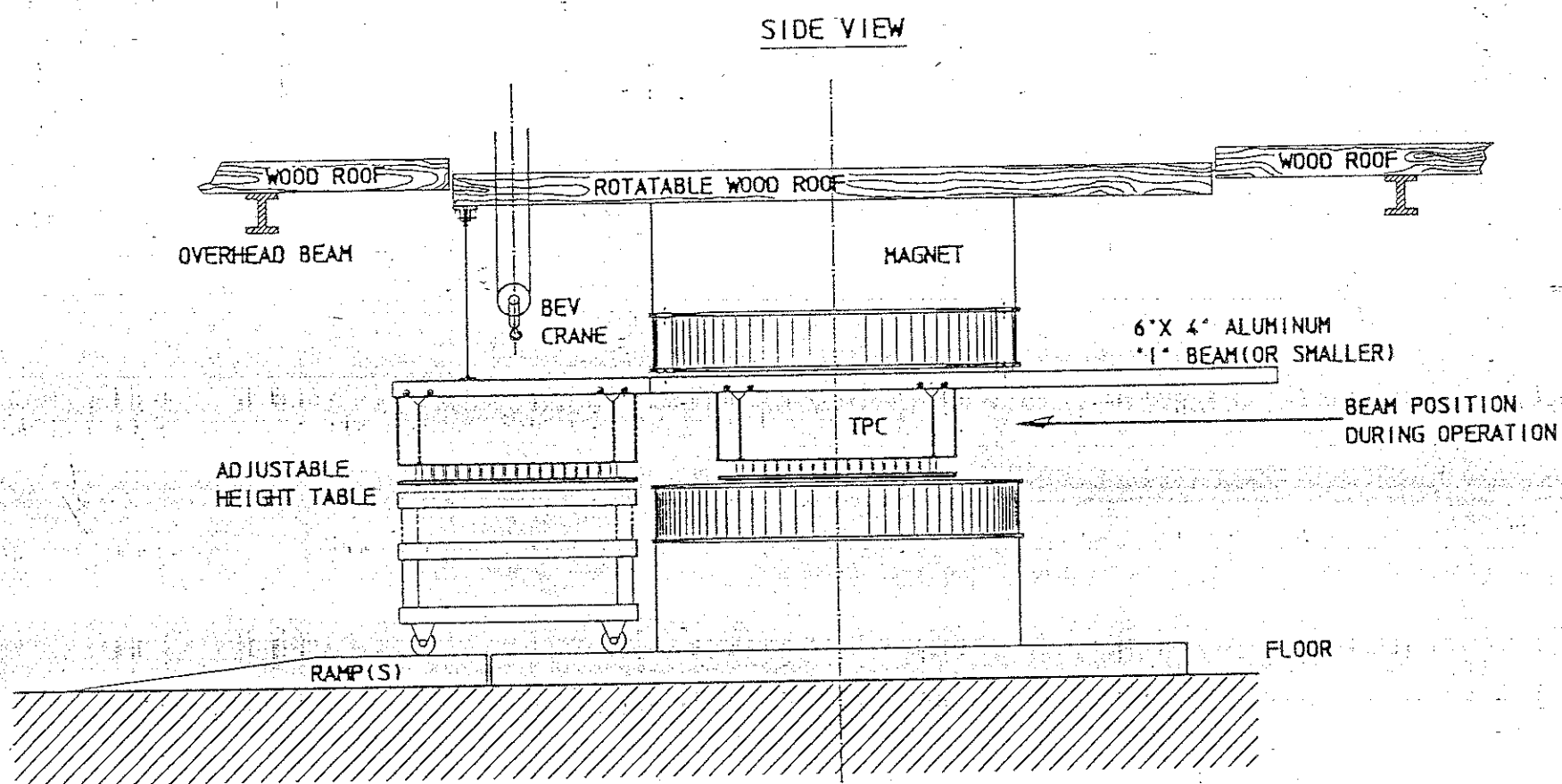


HISS - TPC  
ILLUSTRATIONS  
TPC IN HISS WITH RAMP - ISO  
JULY 10, 1989  
SCALE: NONE DWG.: YM

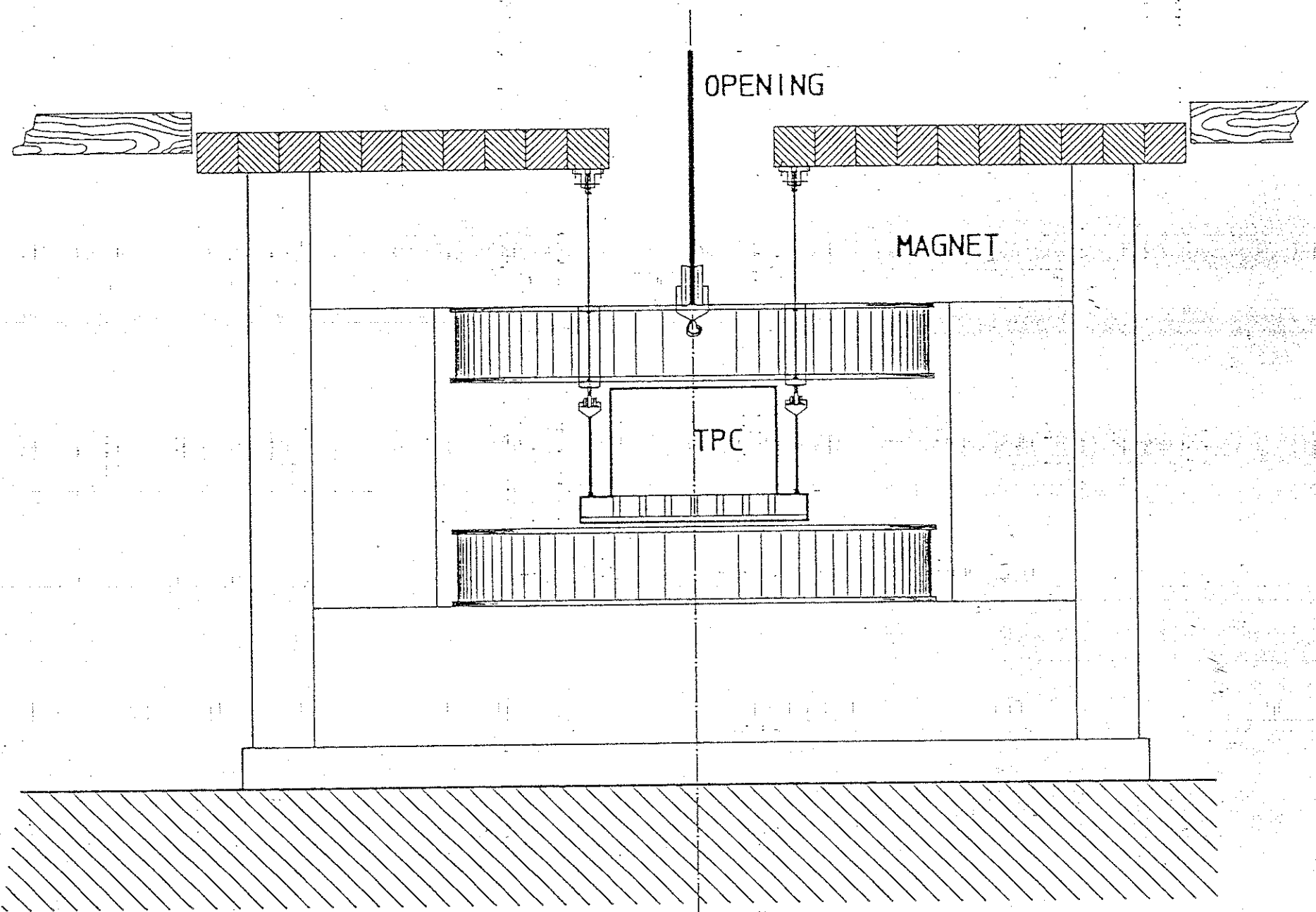


HISS - TPC  
ILLUSTRATIONS  
TPC INSTALLATION  
JULY 15, 1989

SCALE: NONE DWG.: YM

*D-2a*

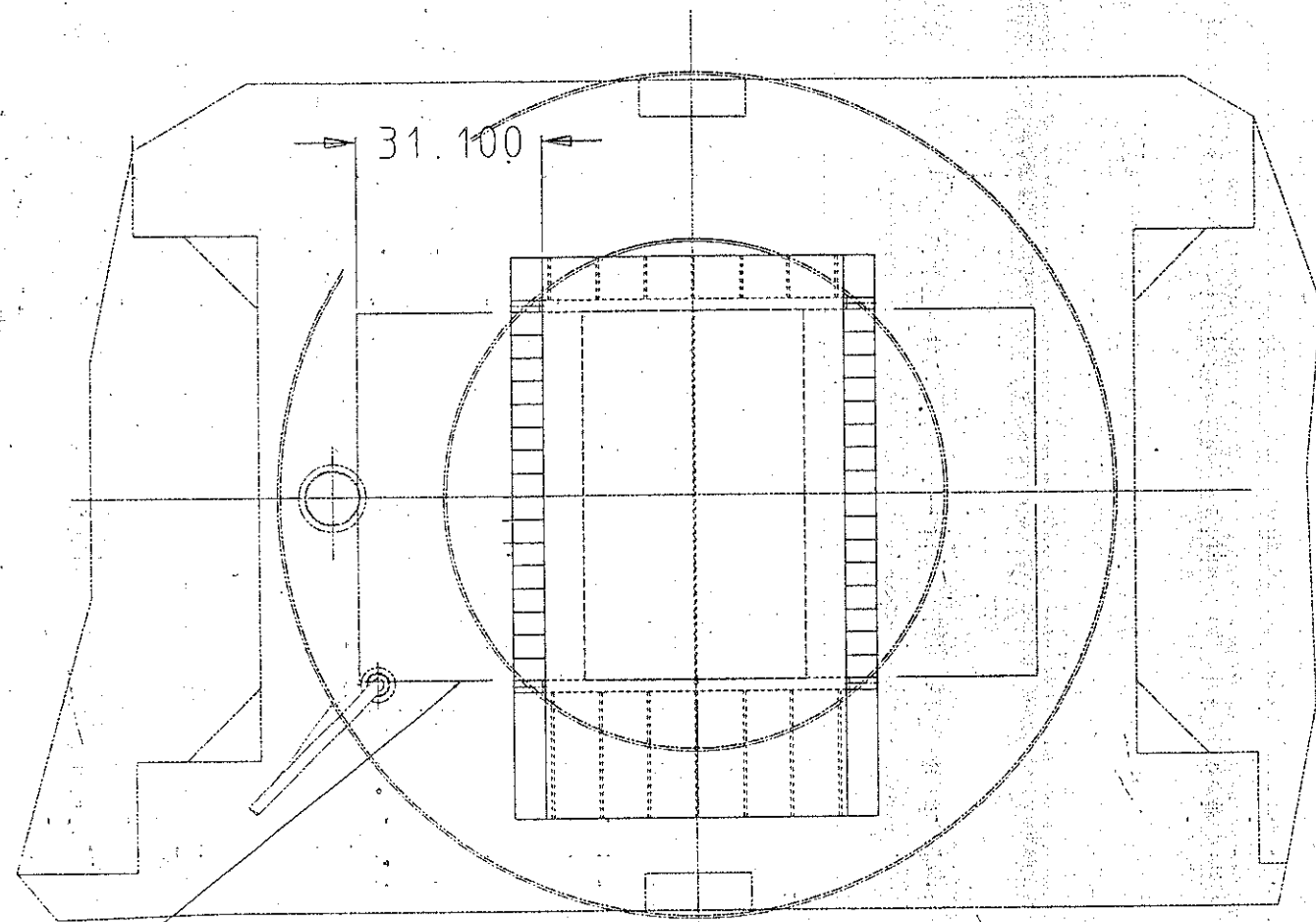
END VIEW



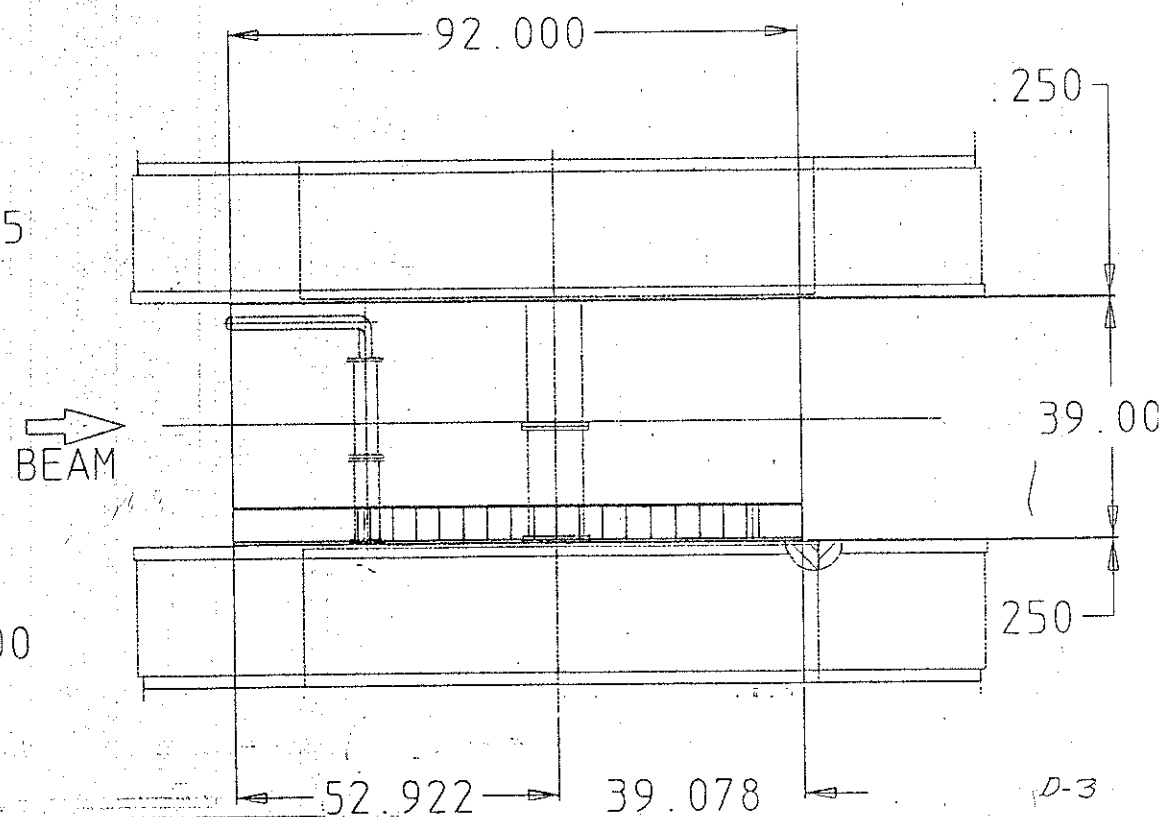
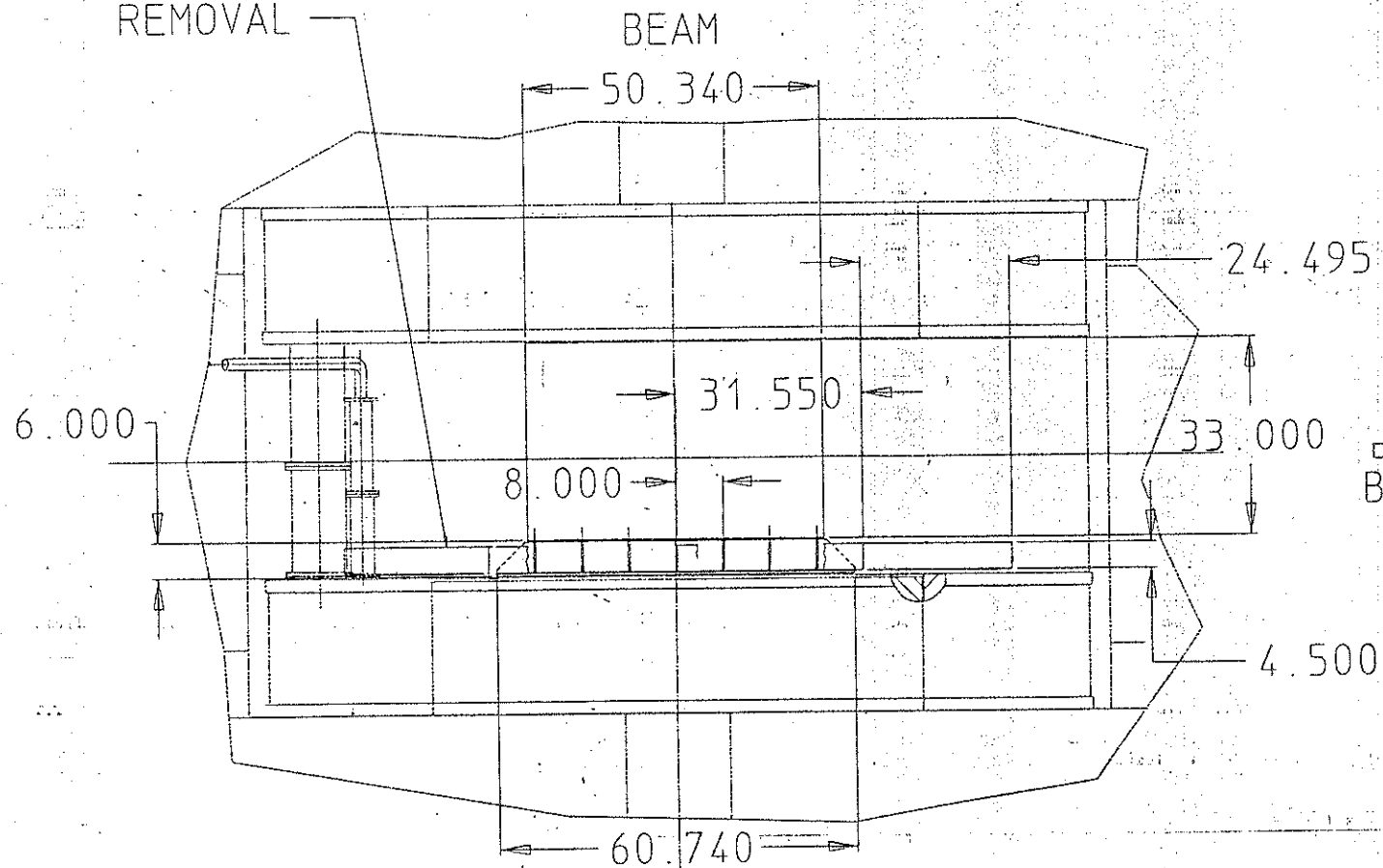
HISS - TPC  
ILLUSTRATIONS  
TPC INSTALLATION  
JULY 15, 1989

SCALE: NONE DWG.: YM

D-2 b

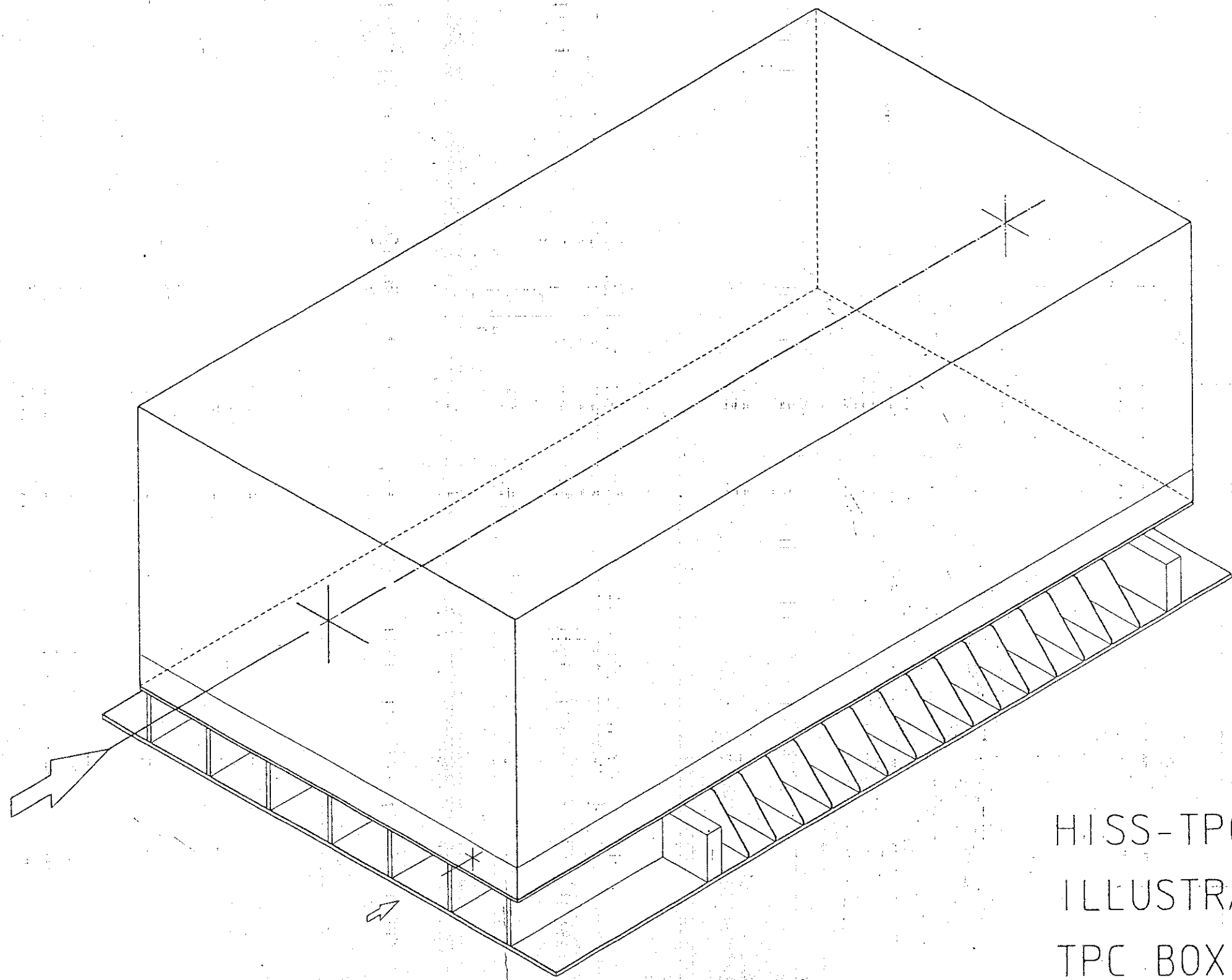


REQ'D AREA FOR BOARD  
REMOVAL



TPC IN HISS-ORTHO  
SCALE: 1/10

6-23-89 (WH)



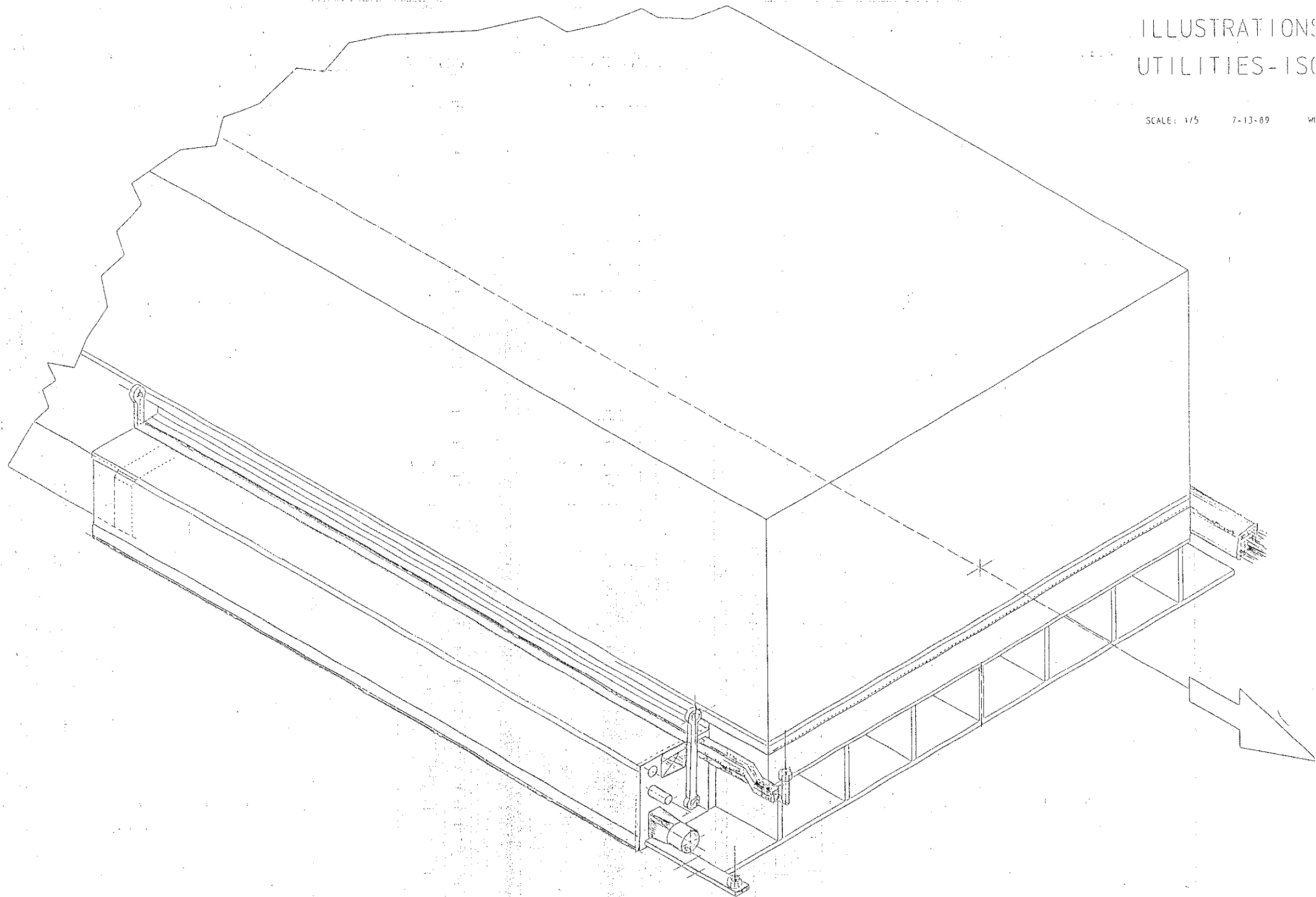
HISS-TPC  
ILLUSTRATIONS  
TPC BOX-ISO (M)

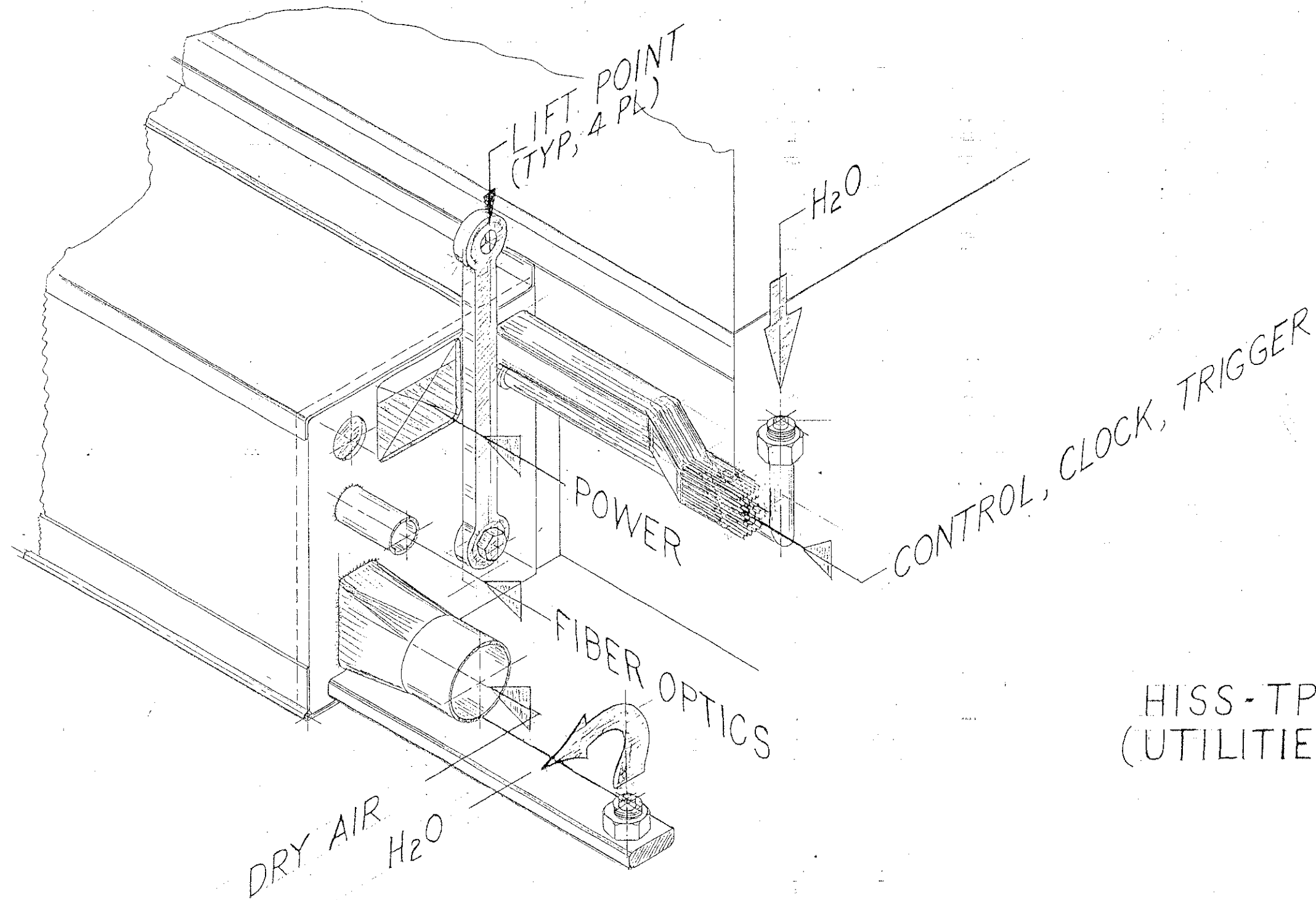
SCALE: 1/8  
7-13-89 WH

D-4

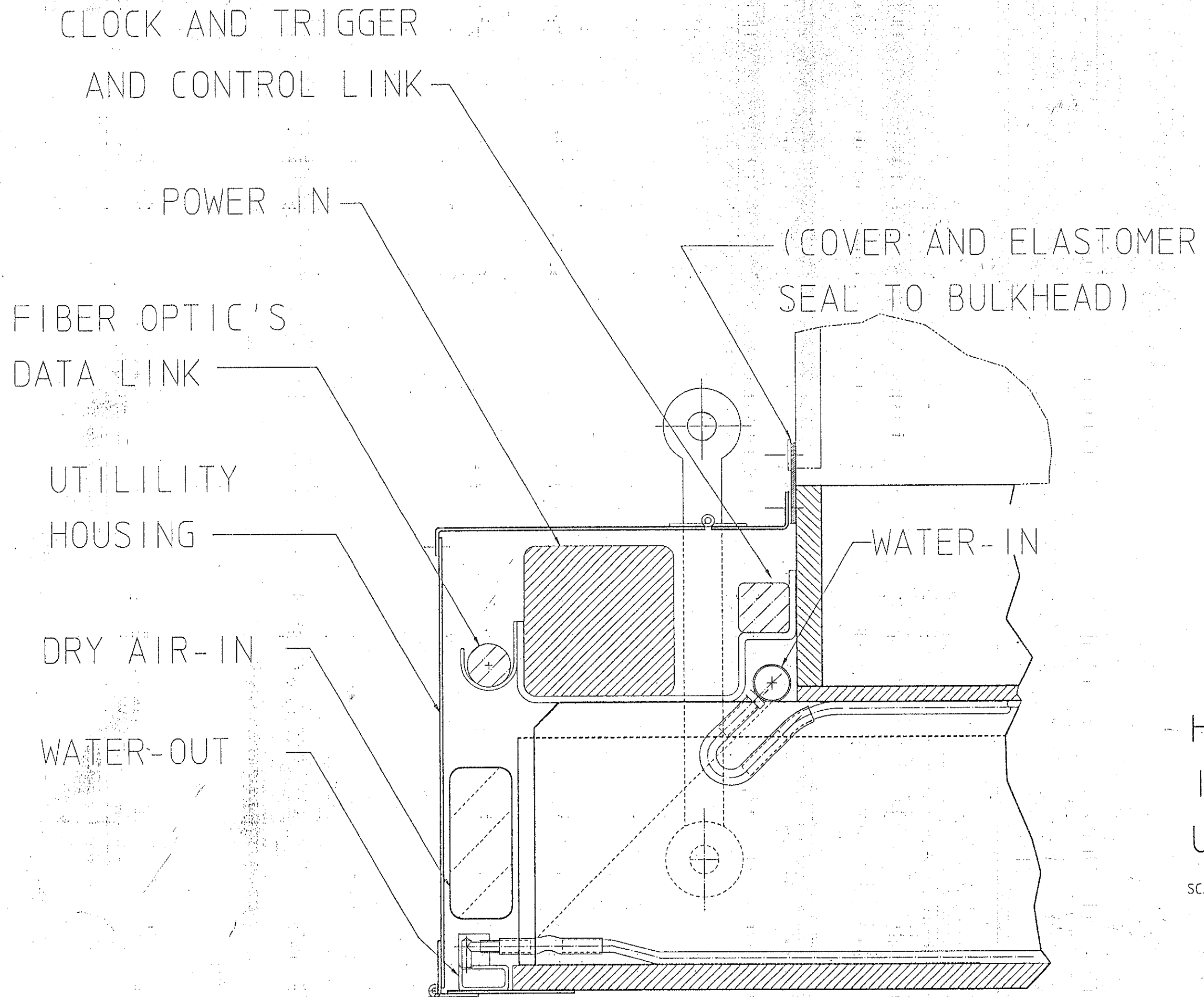
HISS-TPC  
ILLUSTRATIONS  
UTILITIES-ISC

SCALE: 1/5 7-13-89





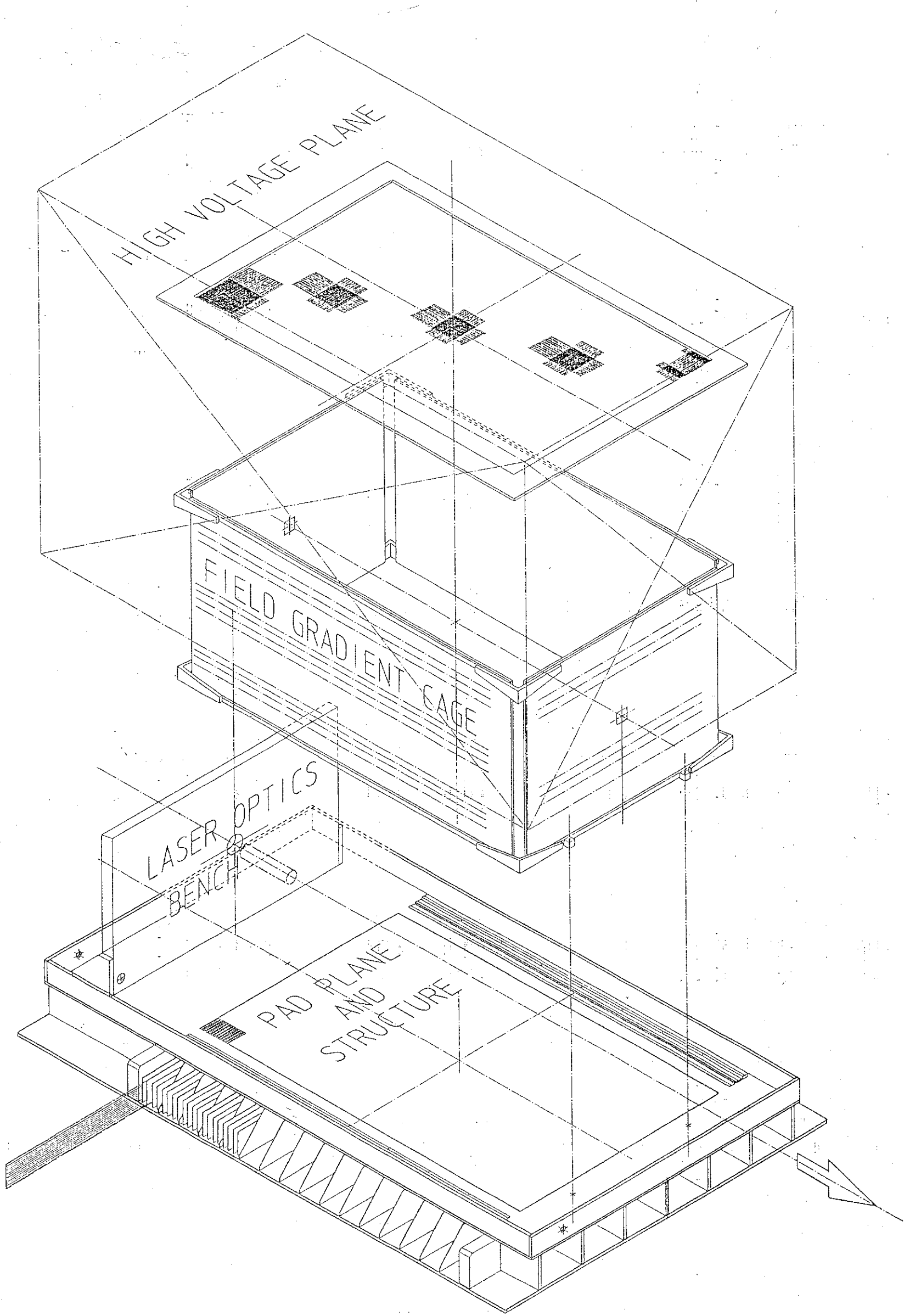
HISS-TPC  
(UTILITIES)



HISS-TPC  
ILLUSTRATIONS  
UTILITIES-END VIEW

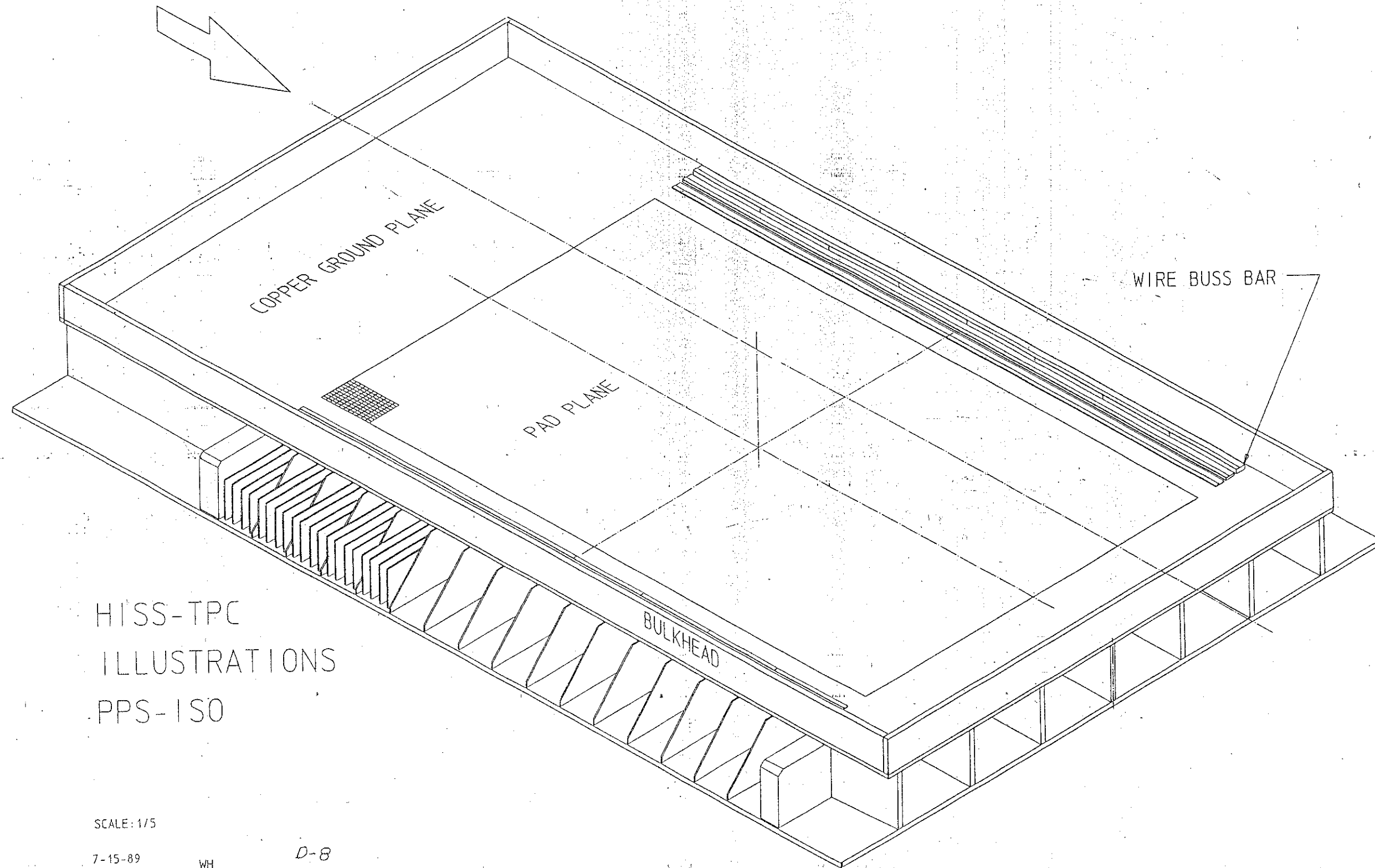
SCALE: FULL 7-12-89 WH D-6





HISS-TPC D-7  
ILLUSTRATIONS  
TPC-ISOEXP

SCALE: 1/5 7-15-89 WH



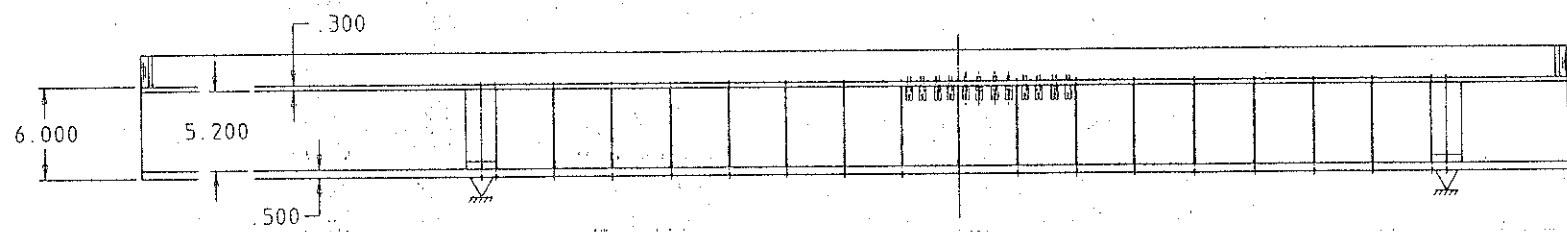
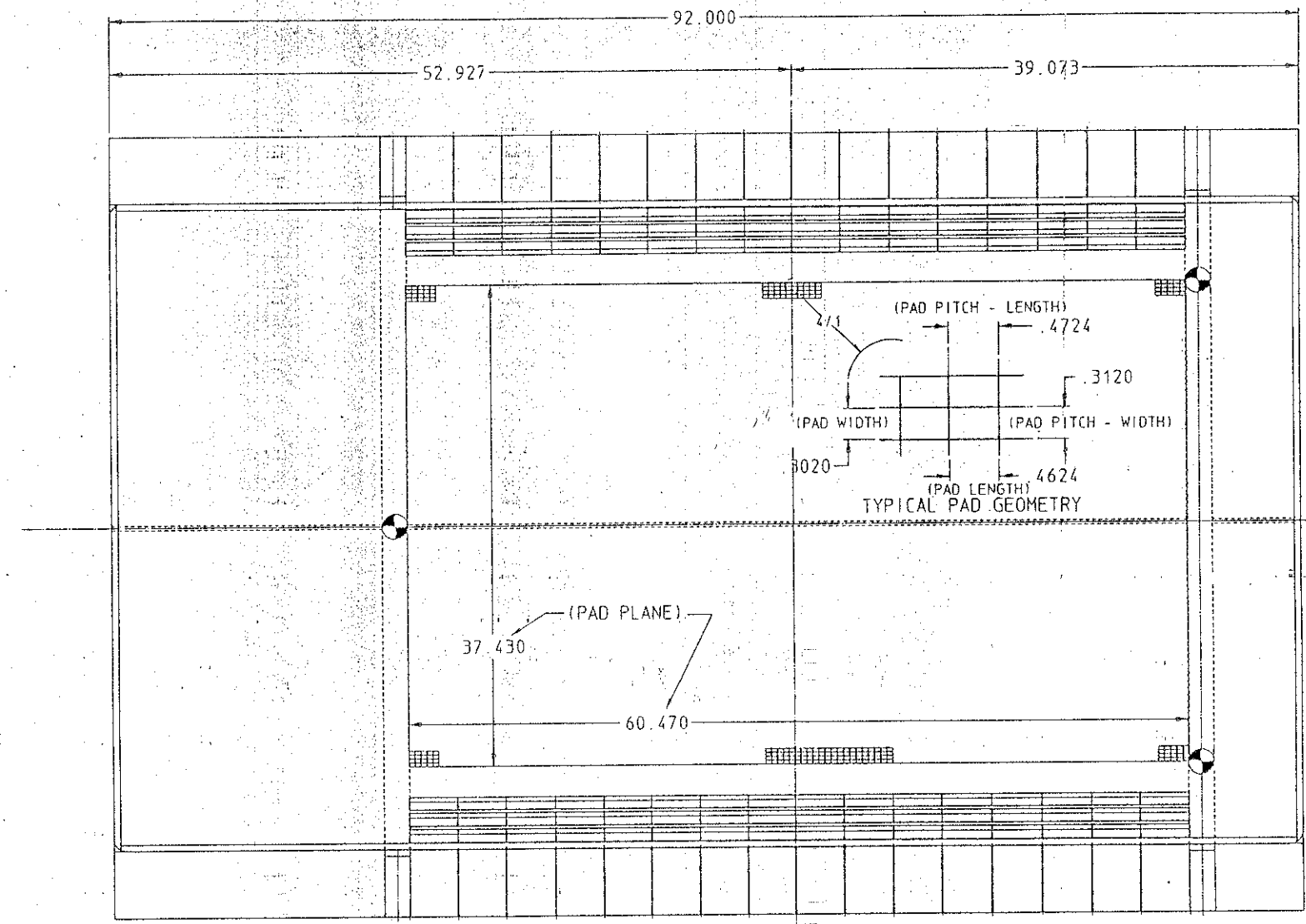
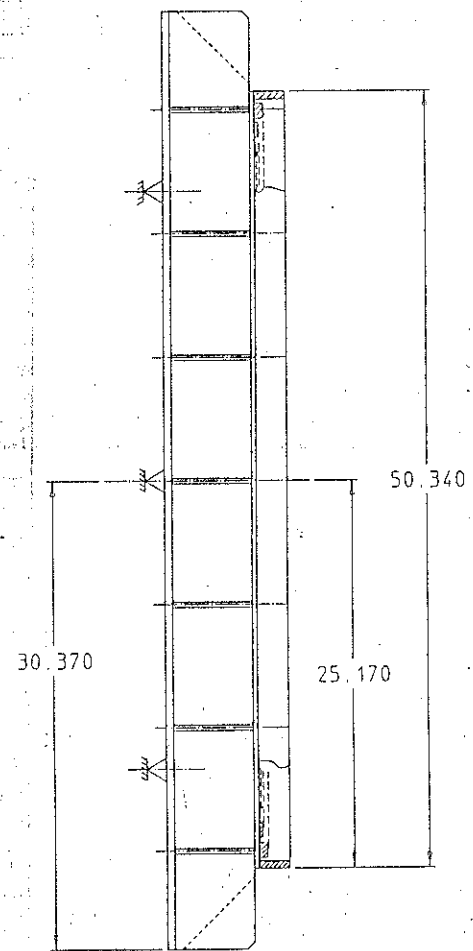
H1SS-TPC  
ILLUSTRATIONS  
PPS-150

SCALE: 1/5

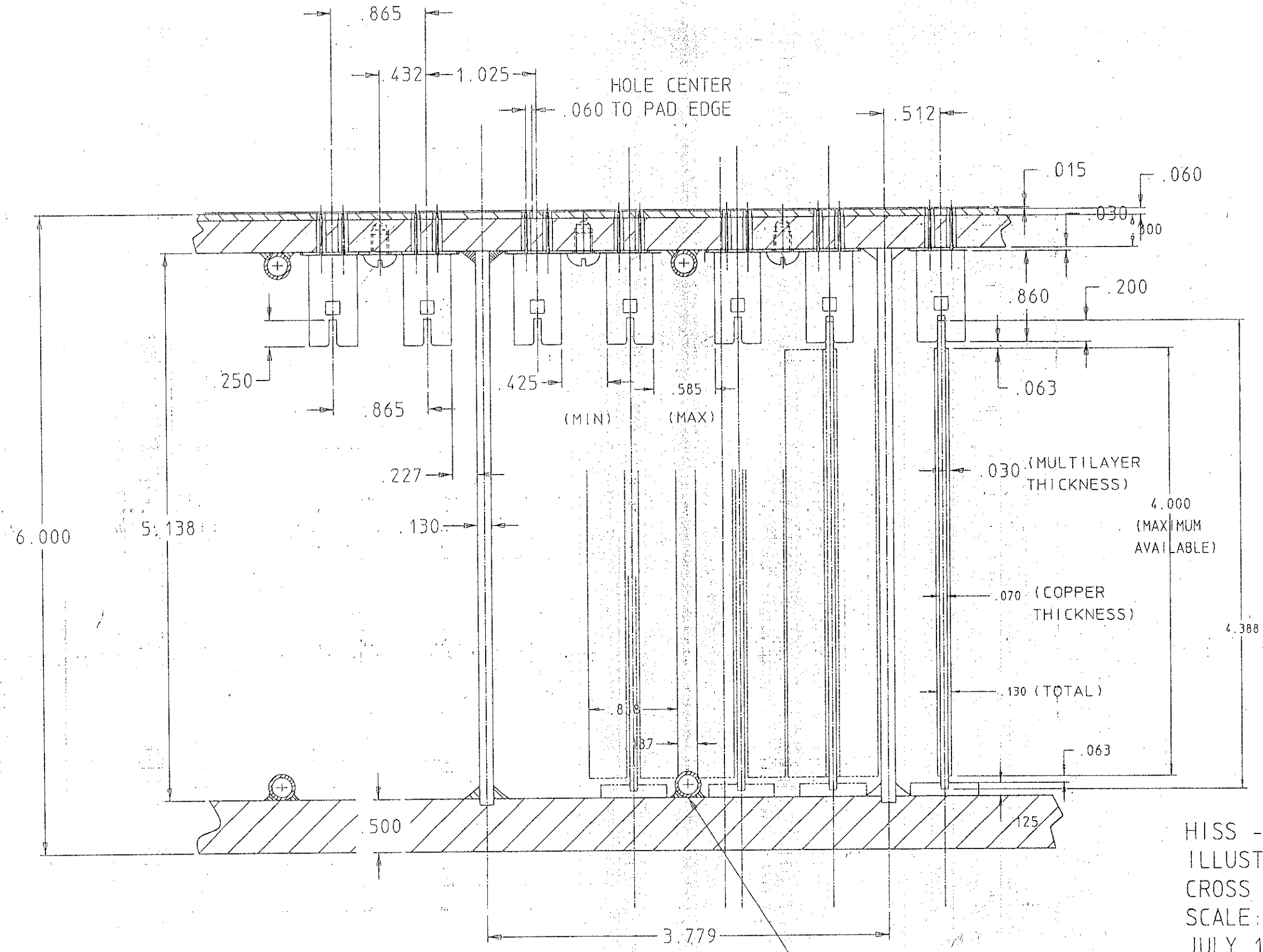
7-15-89

WH

D-8

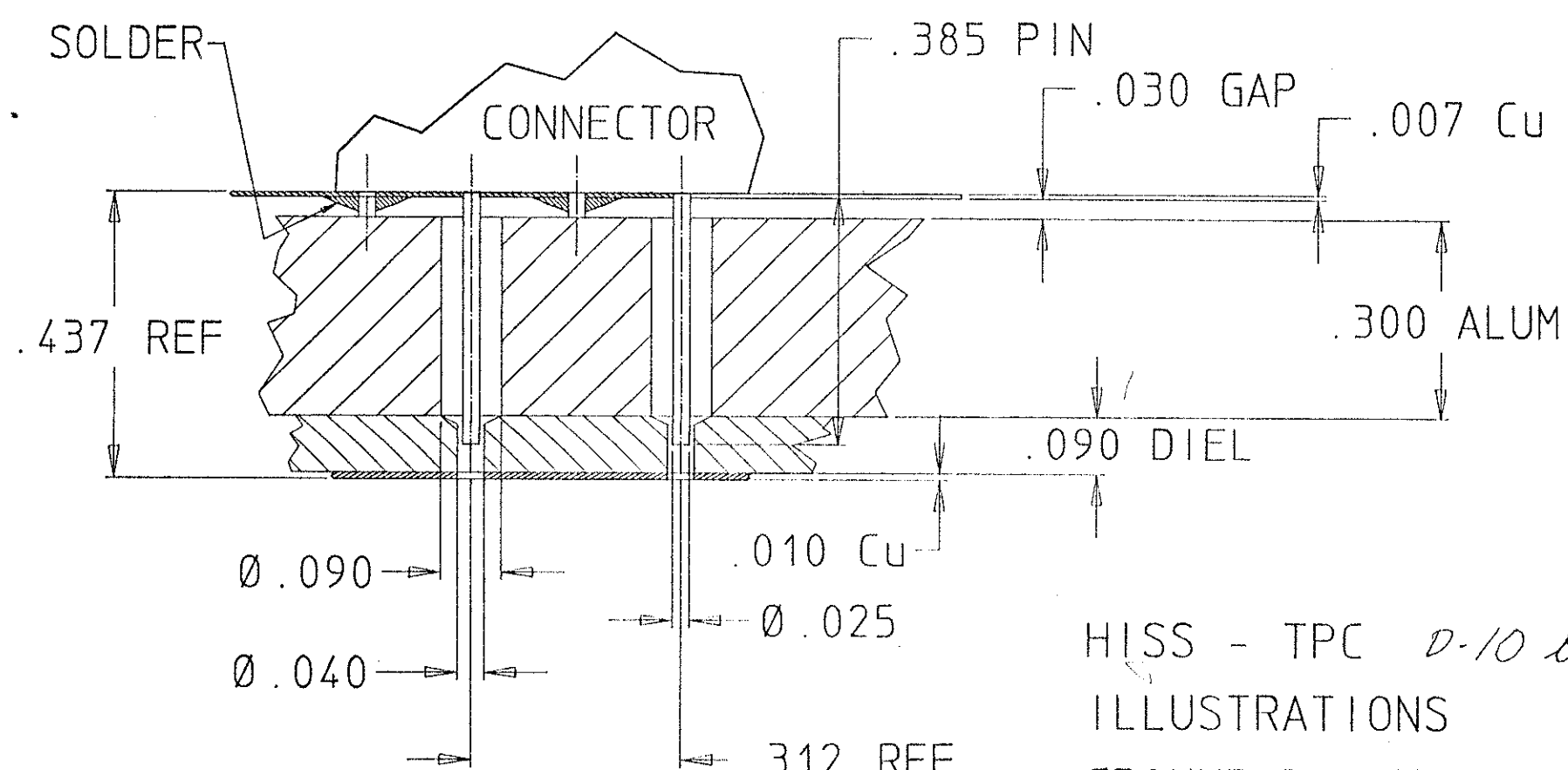
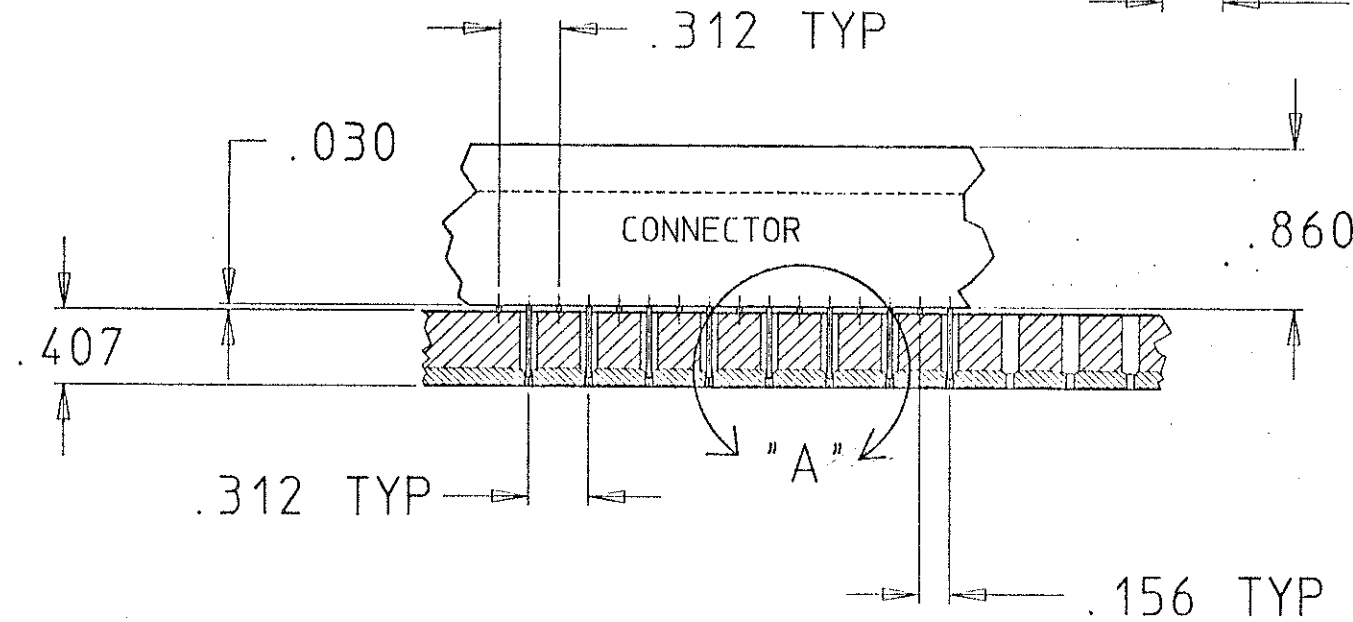
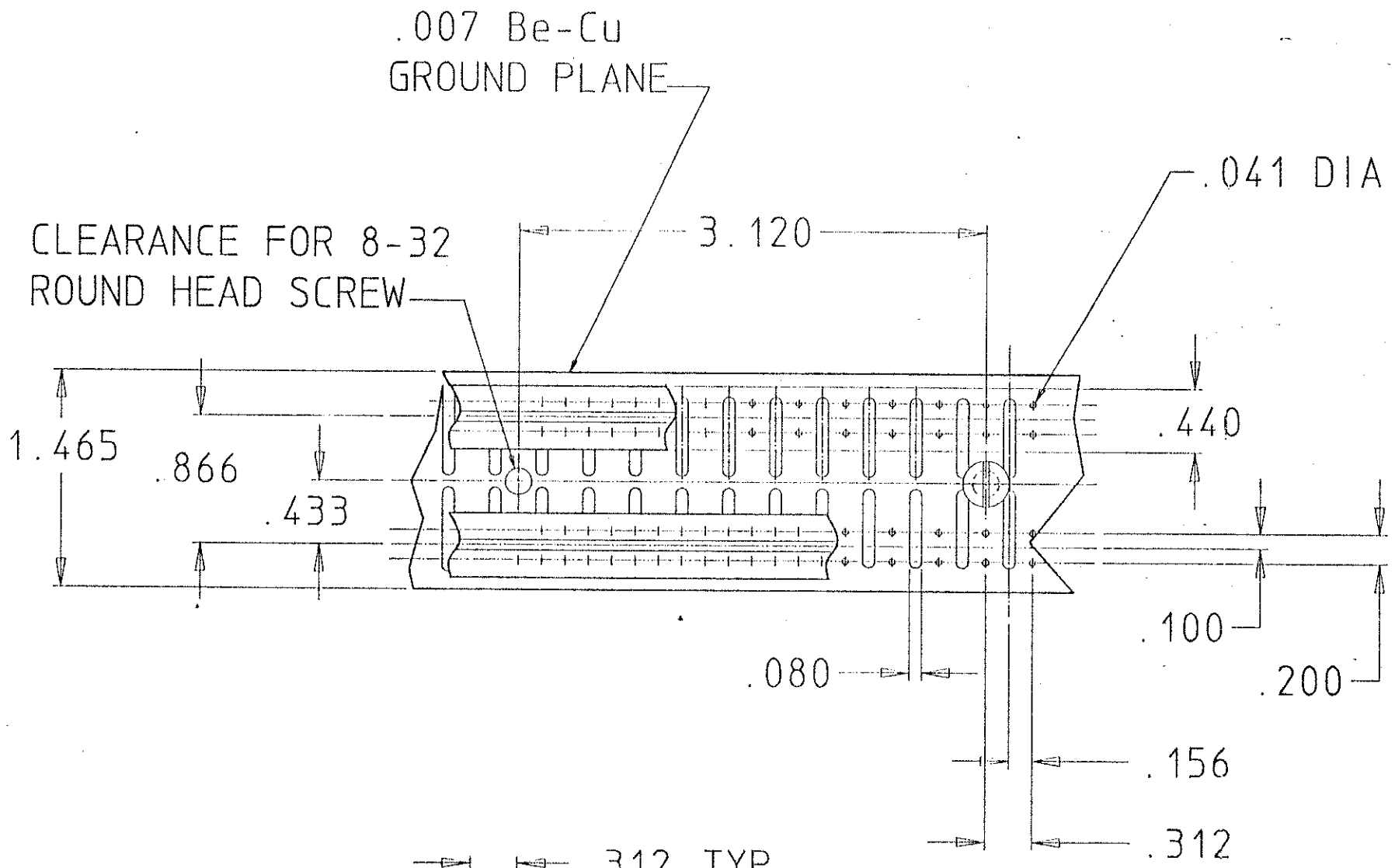


HISS - TPC  
ILLUSTRATIONS  
PPS - ORTHO  
SCALE: 4X DWG.: WH  
JULY 16, 1989 D-9



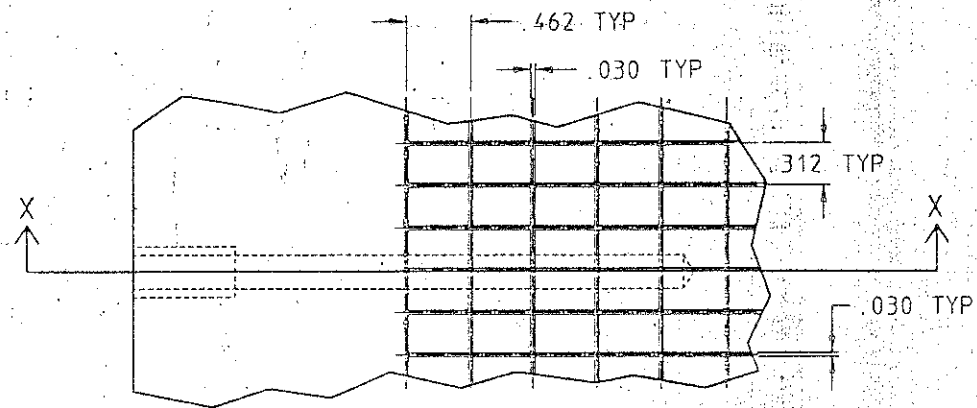
Ø .250 OD COPPER TUBING  
 (WATER COOLING)

HISS - TPC  
 ILLUSTRATIONS  
 CROSS SECTION - PPS  
 SCALE: 2X DWG: WH  
 JULY 16, 1989 *D 10-a*

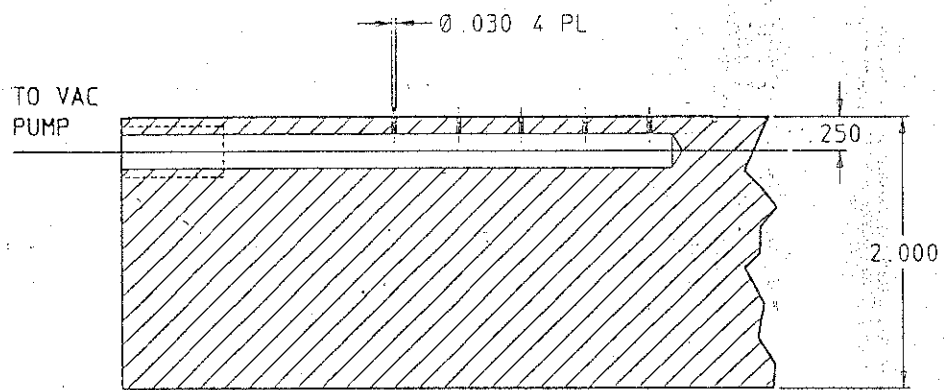
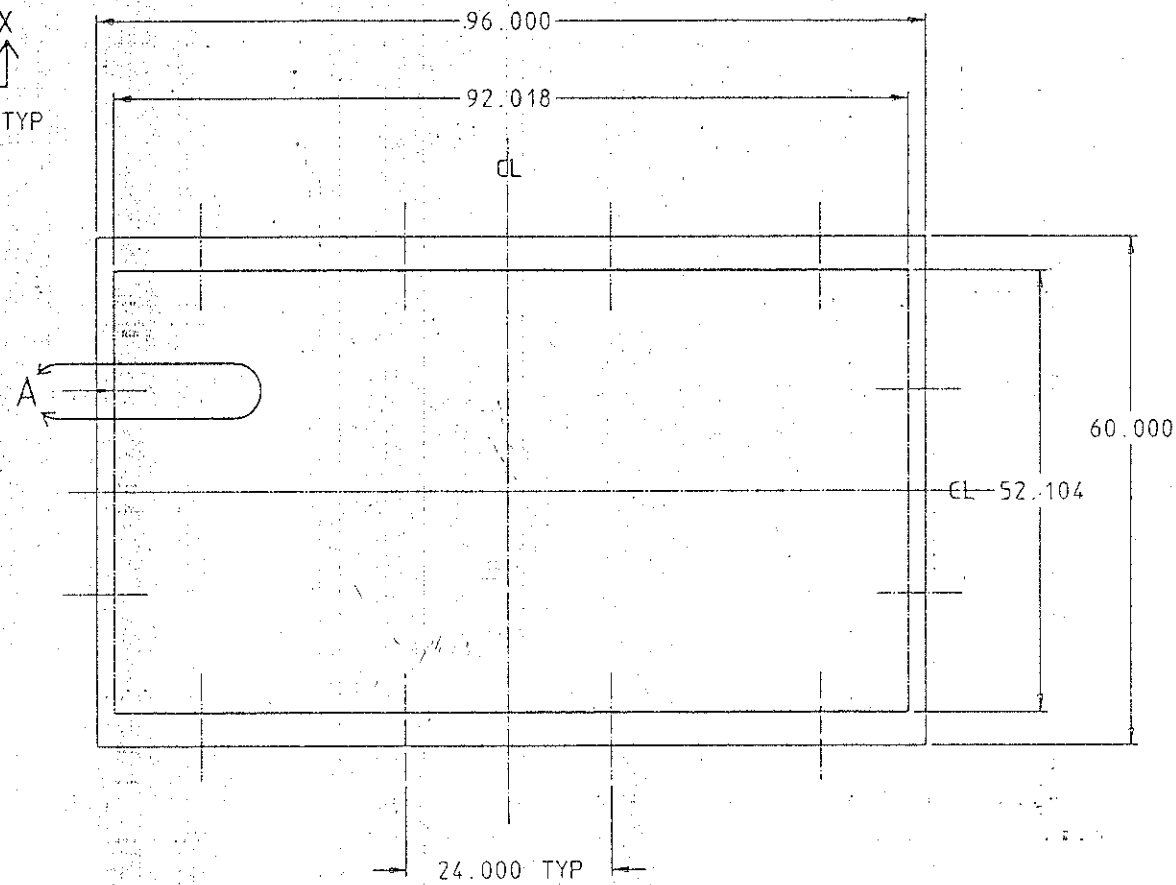


DETAIL A  
SCALE: 8X

HISS - TPC D-10 &  
ILLUSTRATIONS  
GROUND PLANE WITH  
CONNECTOR ASSY  
SCALE: 2X & NOTED  
7-18-'89 DWG: YM &



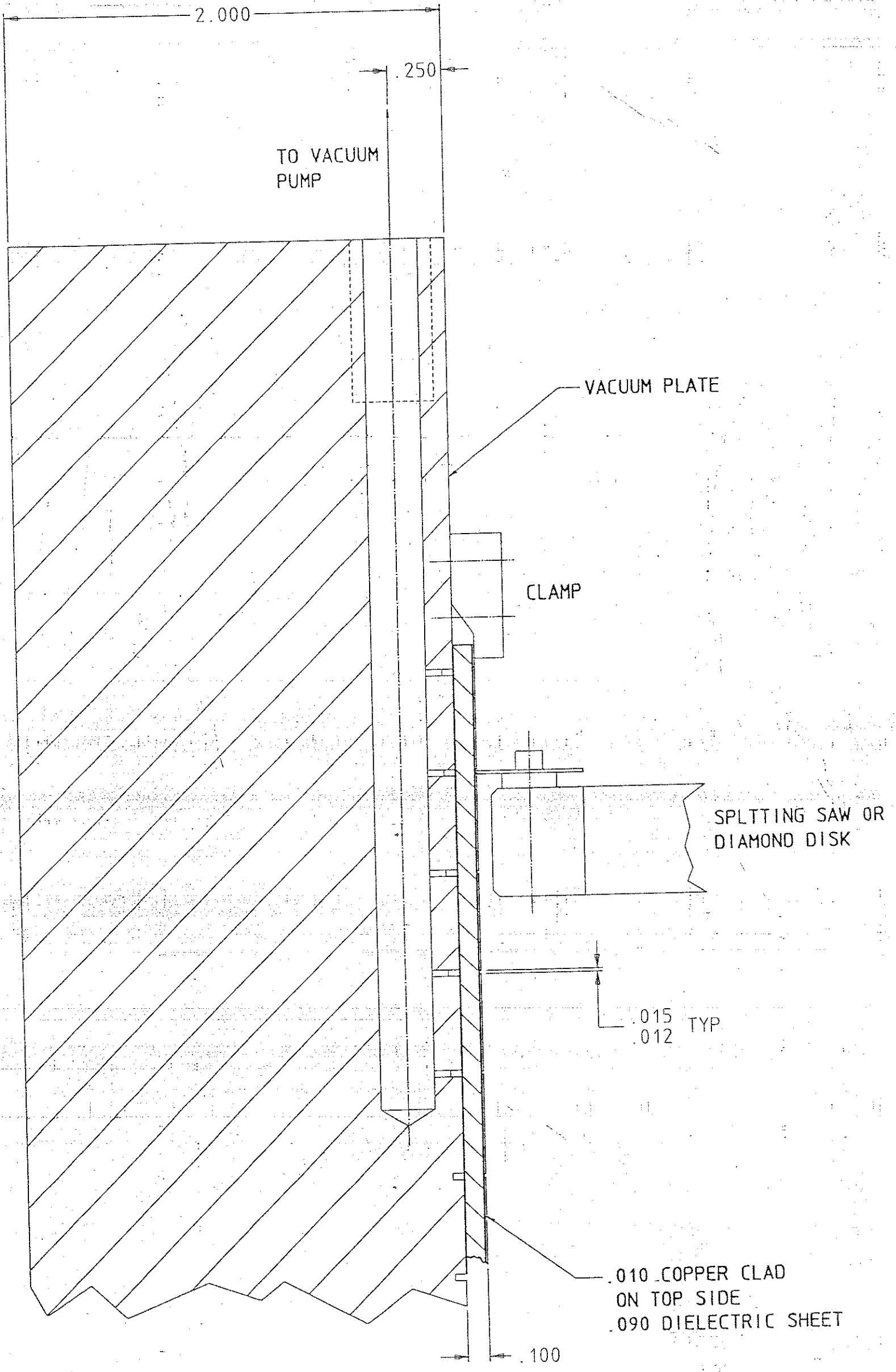
DETAIL A  
SCALE: 2X



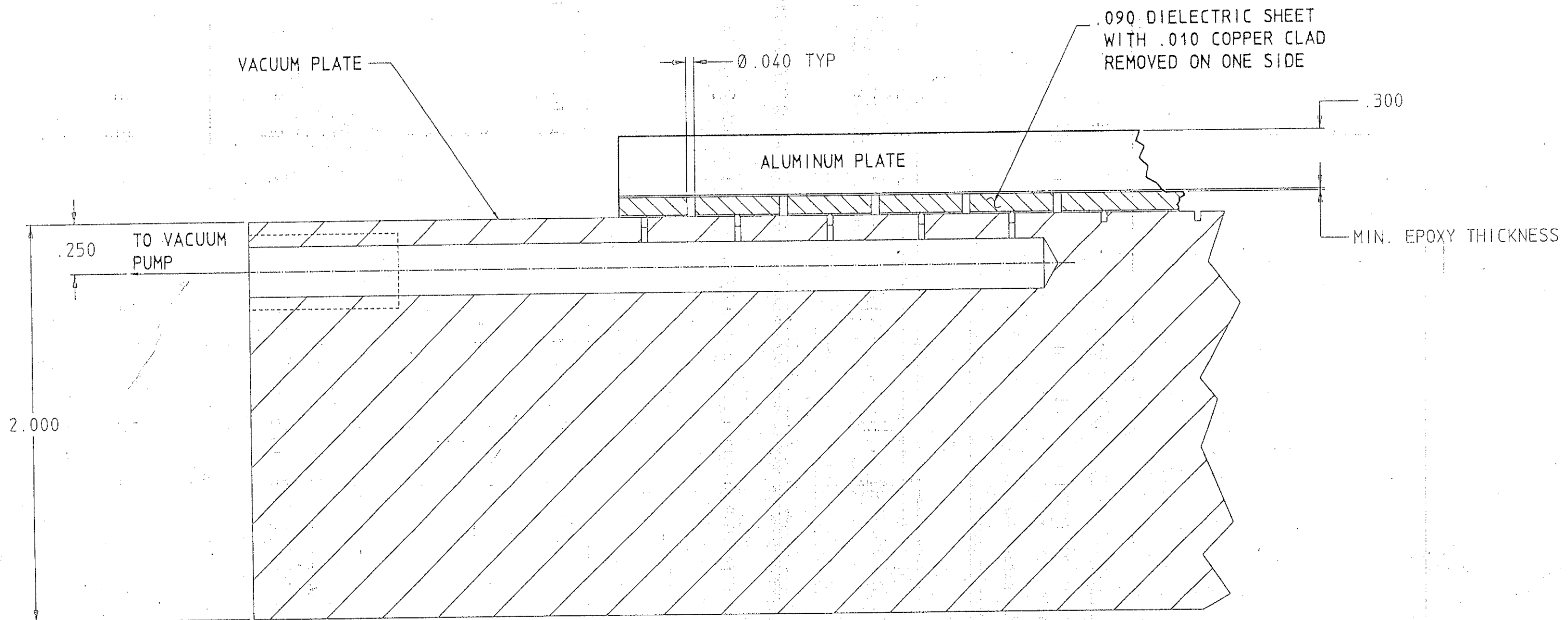
SECTION X-X  
SCALE: 2X

HISS - TPC  
PRELIMINARY LAYOUTS  
VACUUM PLATE  
SCALE: EIGHTH & NOTED  
JULY 15, 1989 DWG.: YM

*D H a*

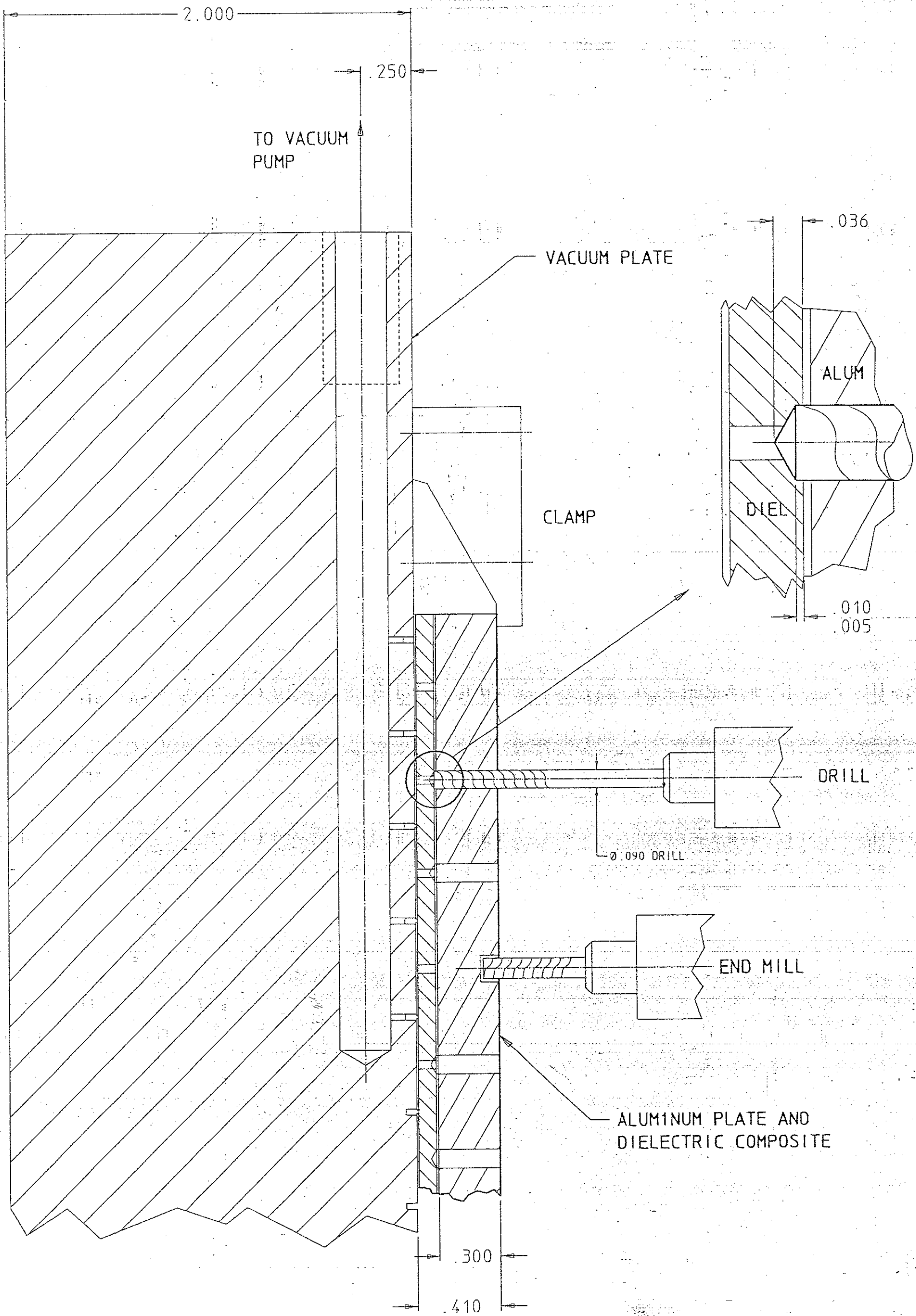


HISS - TPC  
 PRELIMINARY LAYOUTS  
 DIELECTRIC PLATE MACHINING  
 JULY 13, 1989 DWG.: YM  
 SCALE: 4X *D H-B*

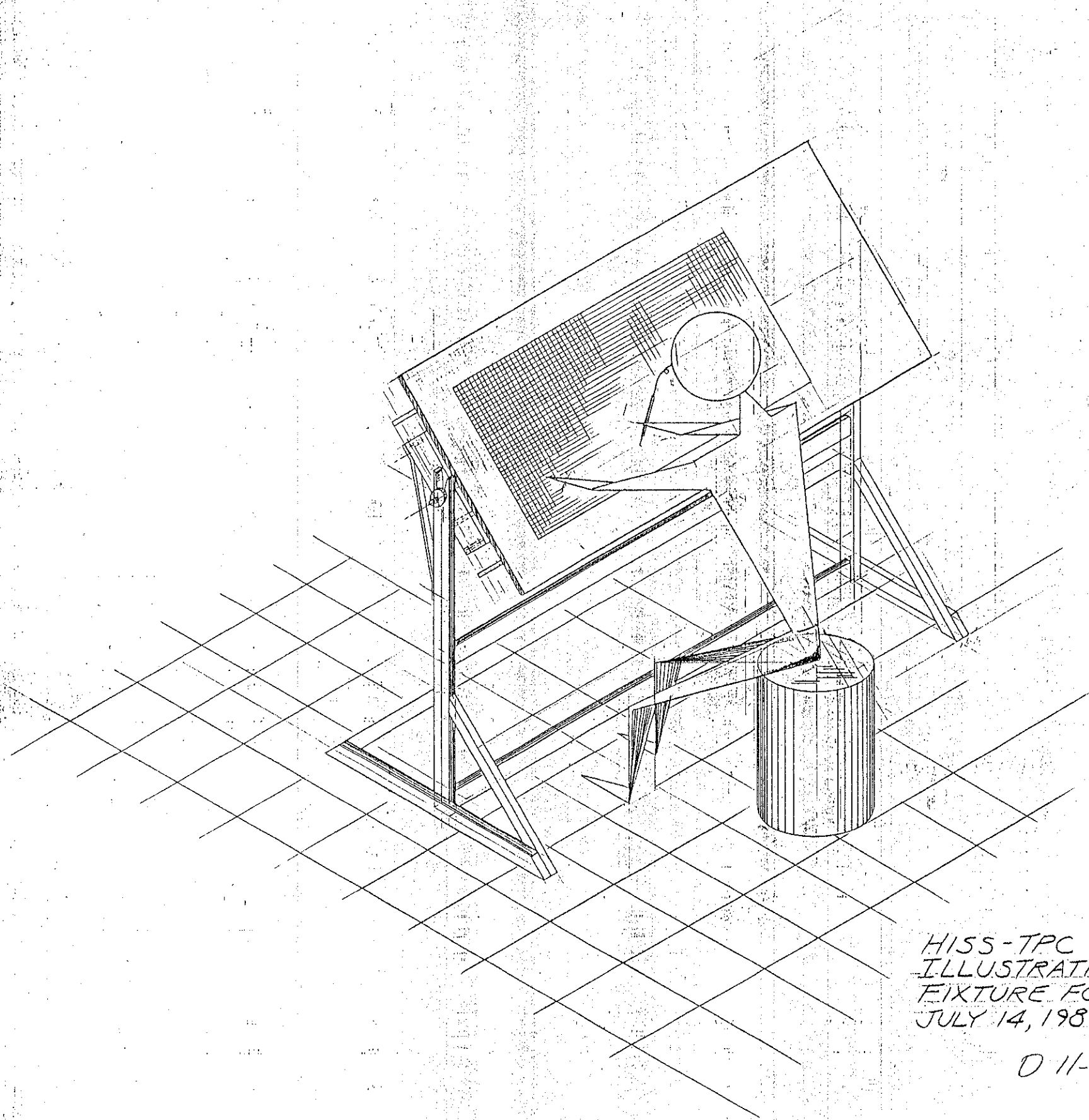


HISS - TPC  
 PRELIMINARY LAYOUTS  
 DIELECTRIC PLATE ASSEMBLY  
 JULY 15, 1989 DWG.: YM  
 SCALE: 4X *D.H.C.*



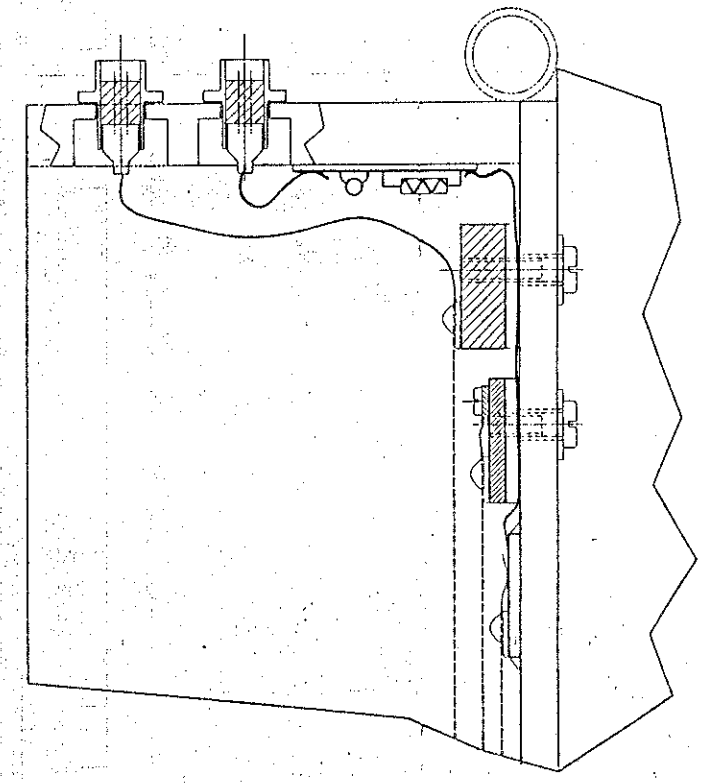
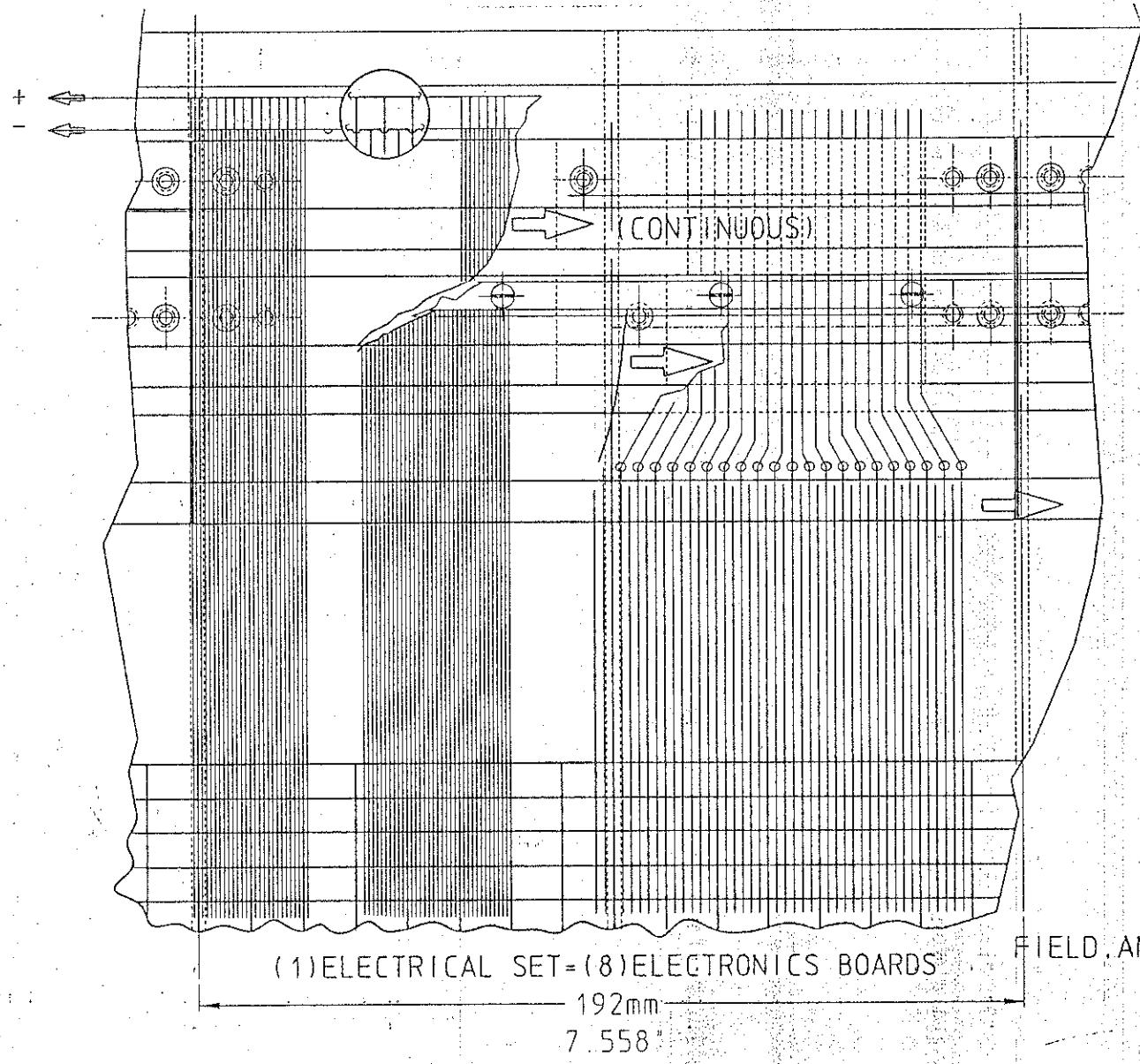


HISS - TPC  
 PRELIMINARY LAYOUTS  
 FINAL DIELECTRIC PLATE MACHINING  
 JULY 15, 1989 DWG.: YM  
 SCALE: 4X D 11-d

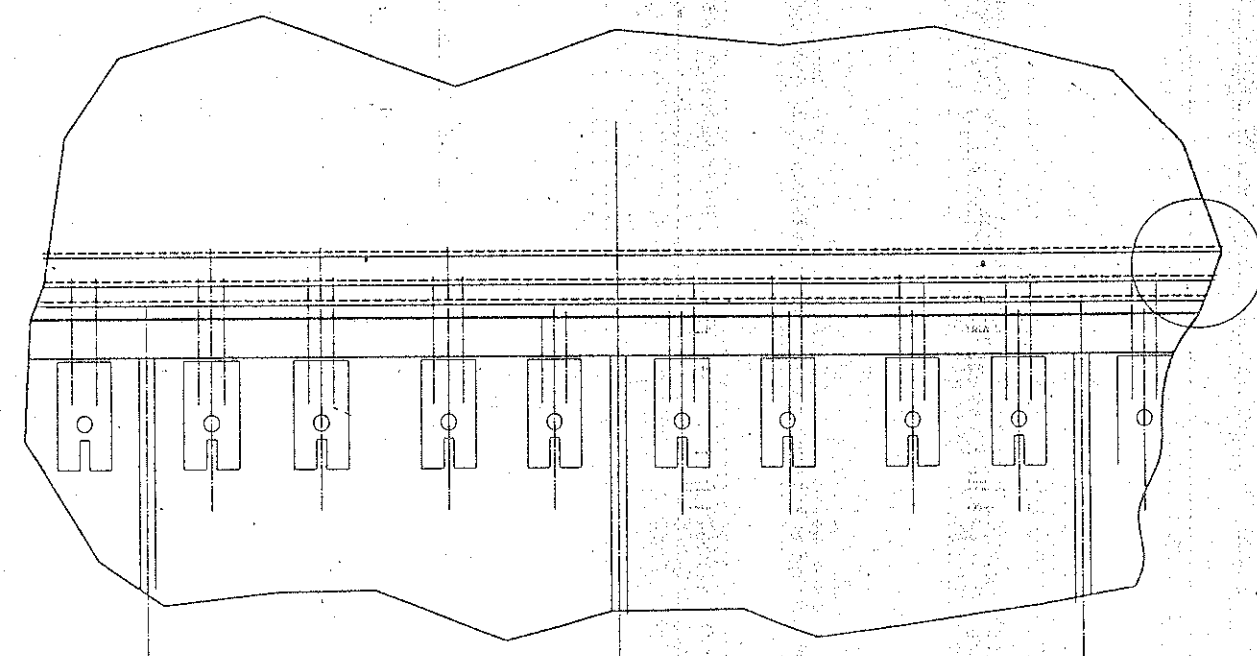
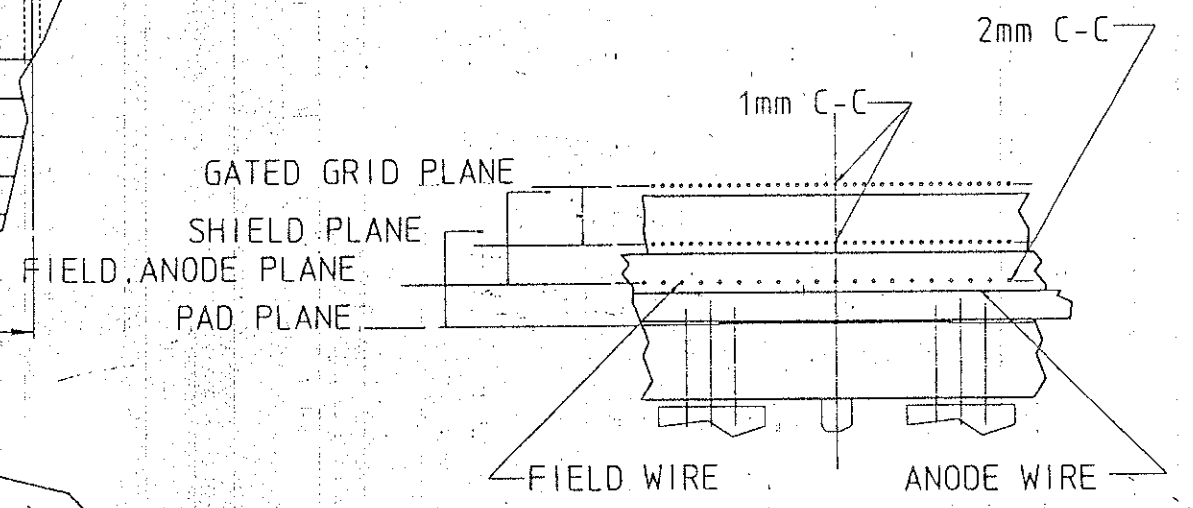


HISS-TPC  
ILLUSTRATIONS  
FIXTURE FOR SOLDERING  
JULY 14, 1989 DWG: YM

D 11-e

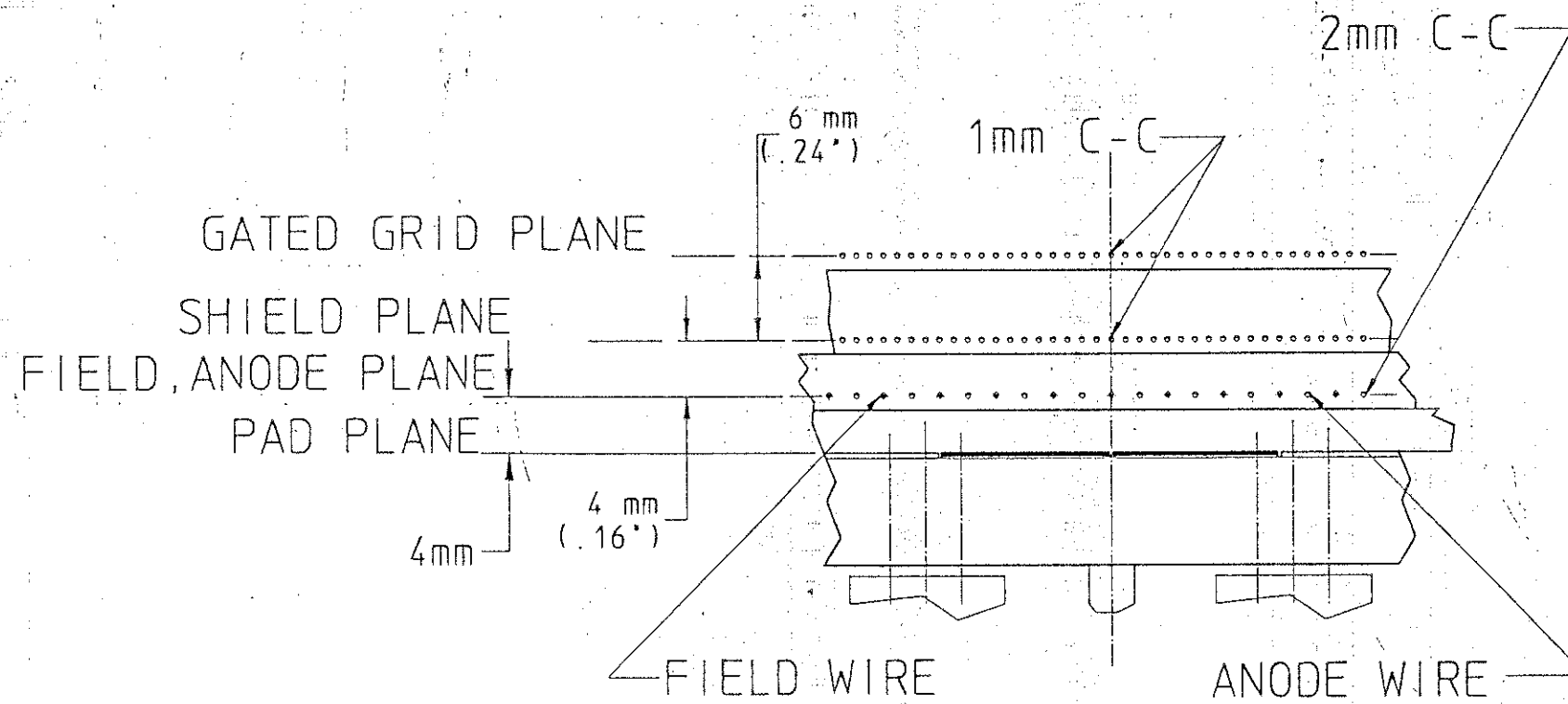


WIRE MOUNT  
 PAD PLANE P  
 THREADED C  
 DOWELING METHOD  
 TYPICAL SECTION



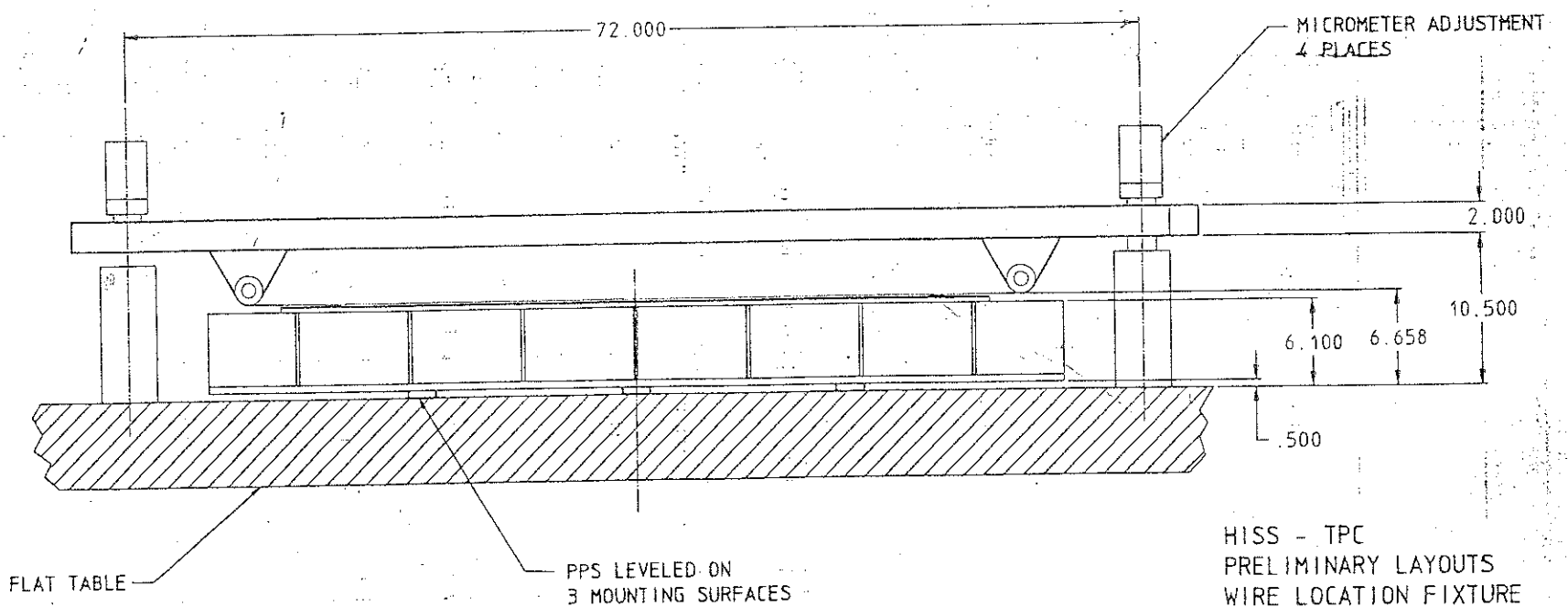
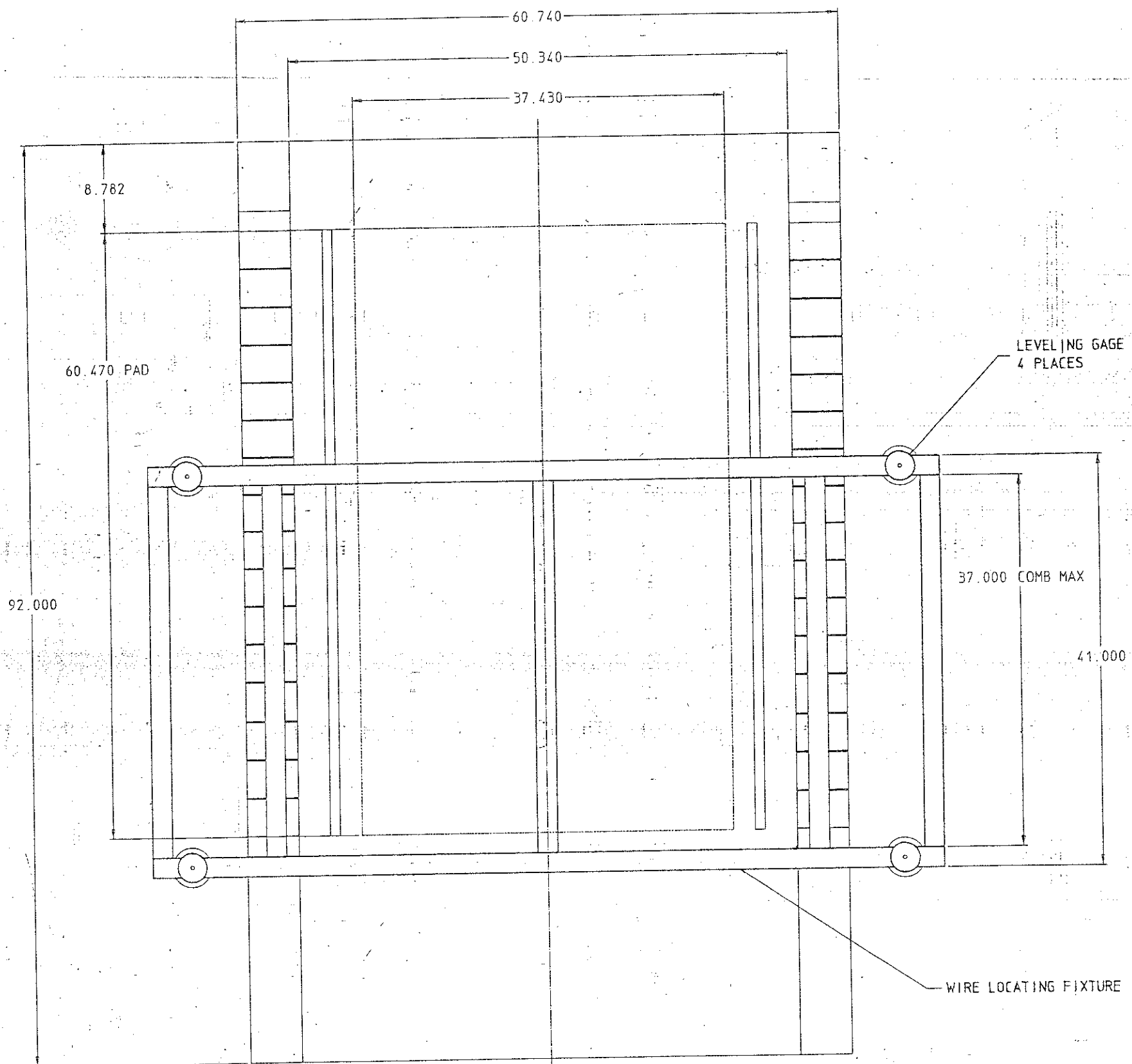
WIRE PLANE GEOMETRY

HISS-TPC  
 ILLUSTRATIONS  
 WIRE PLANES-ORTHO  
 D-12 a

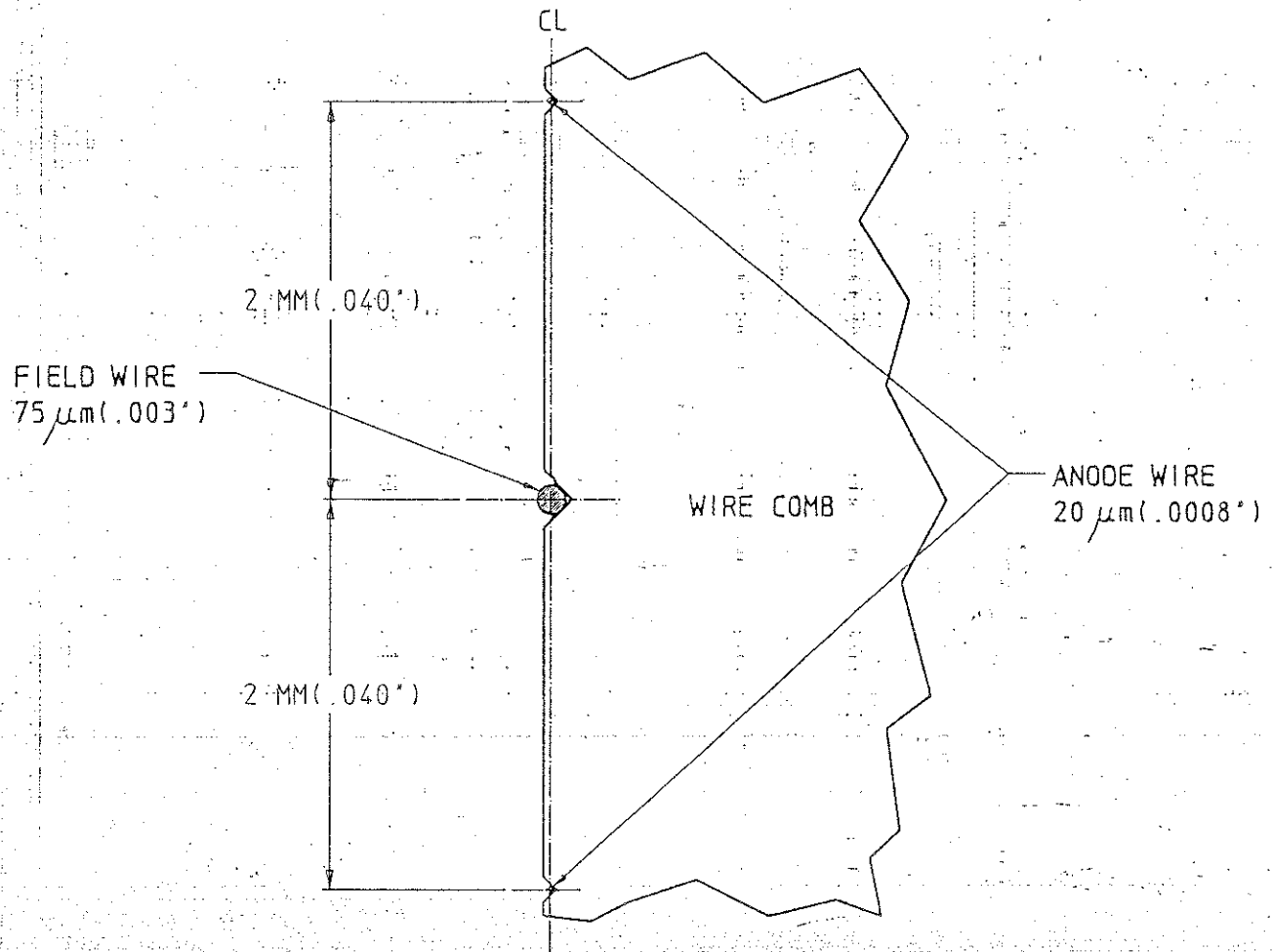


WIRE PLANE GEOMETRY

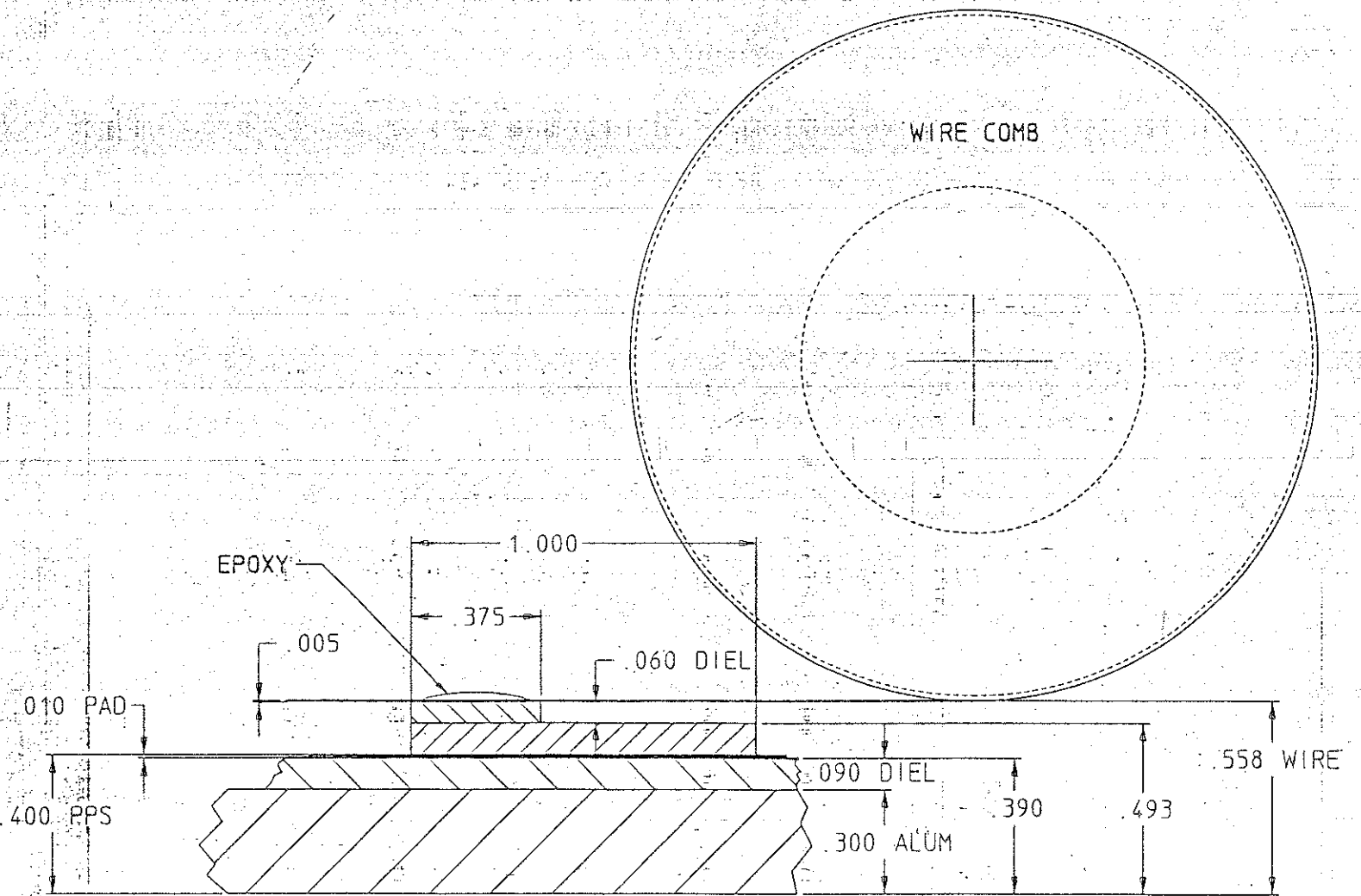
HISS-TPC *D12B*  
 ILLUSTRATIONS  
 WIRE PLANE GEOMETRY



HISS - TPC  
PRELIMINARY LAYOUTS  
WIRE LOCATION FIXTURE  
SCALE: 1/4 DWG.: YM  
JULY 15, 1989 D-13



WIRE COMB DETAIL

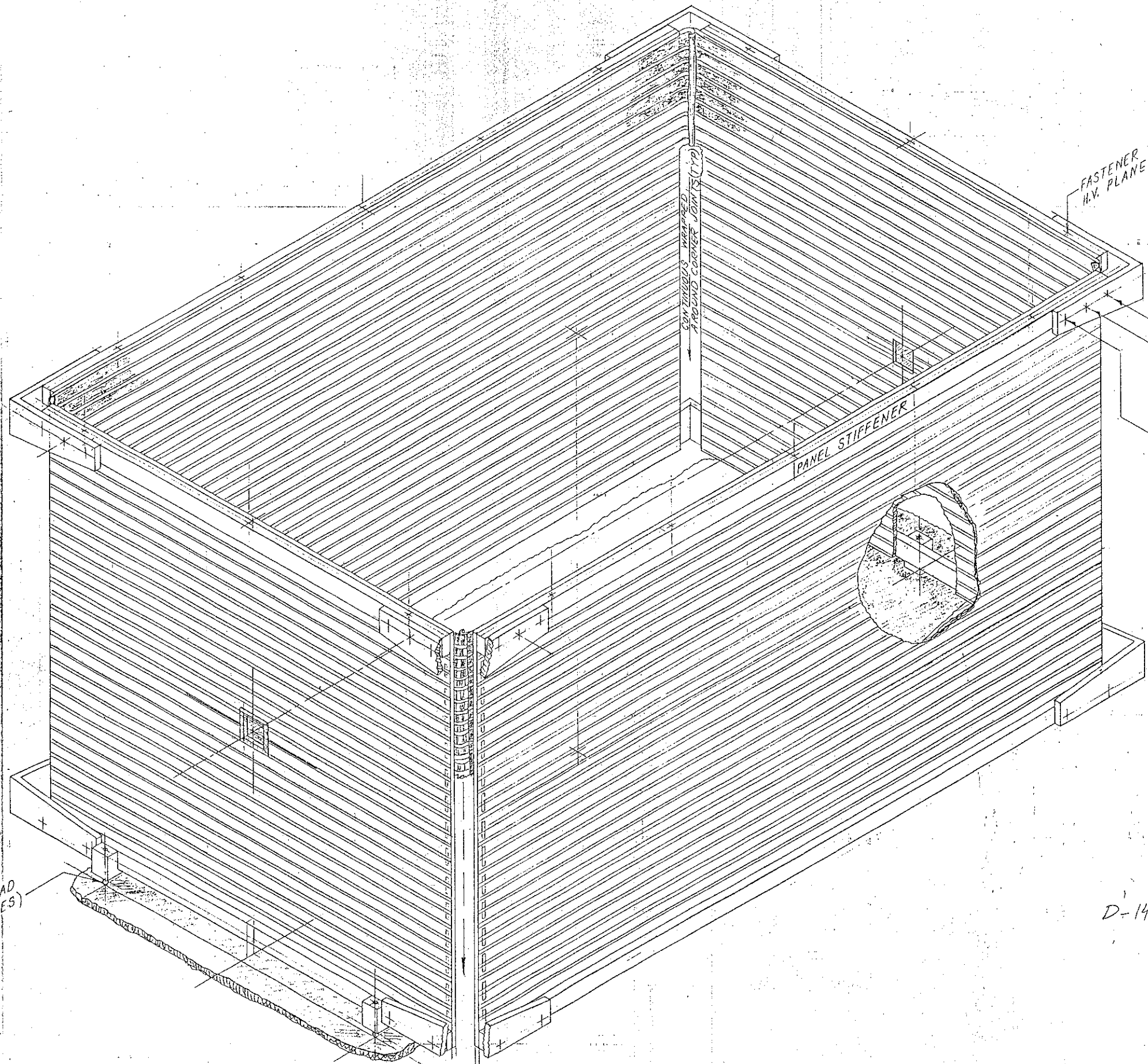


WIRE INSTALLATION

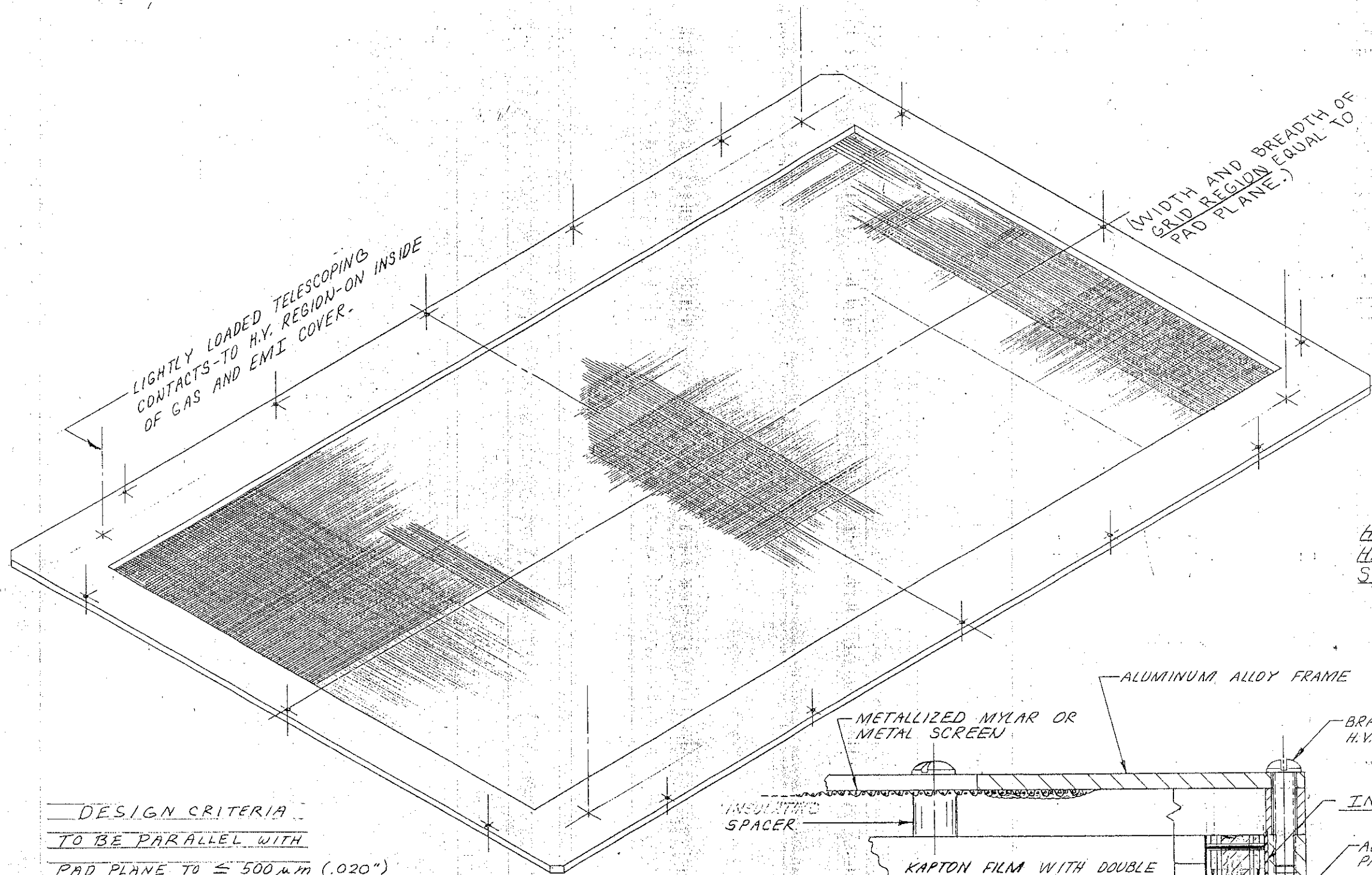
HISS - TPC  
 PRELIMINARY LAYOUTS  
 WIRE LOCATION DETAILS  
 SCALE: 5X DWG.: YM  
 JULY 15, 1989

D-138

MOUNTING POINTS ON PAD  
PLANE SURFACE (3 PLACES)

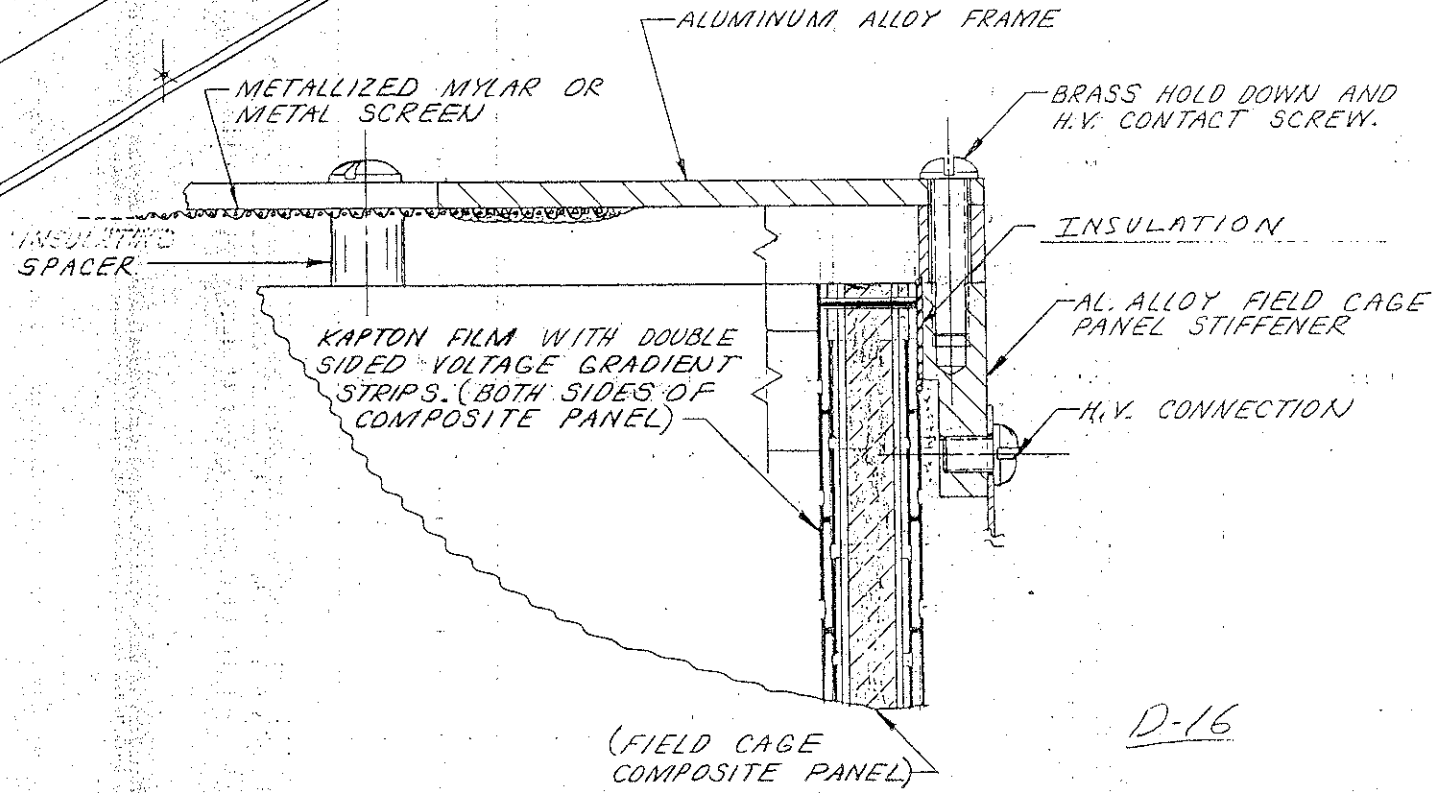


D-14



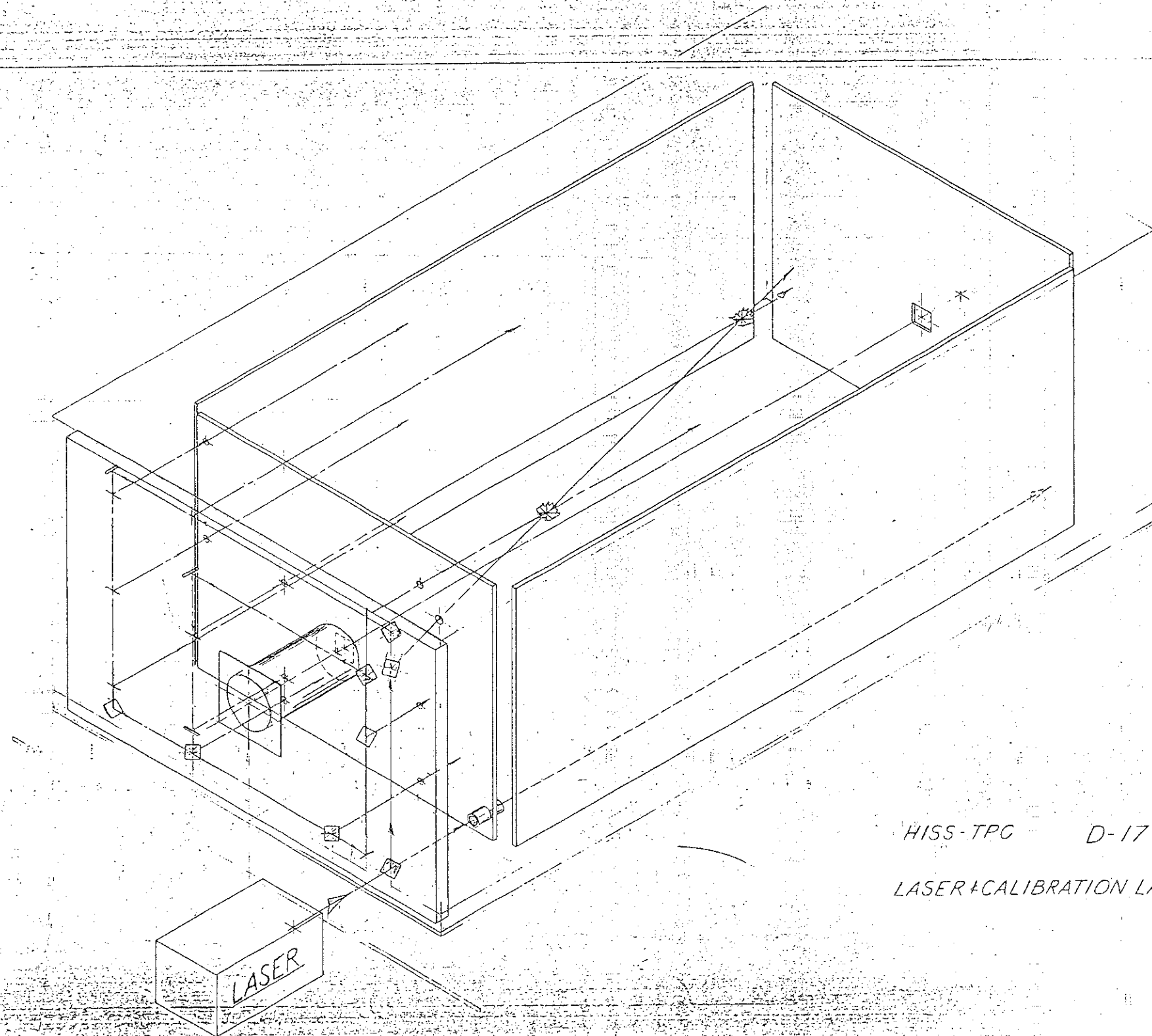
HISS TPC  
HIGH VOLTAGE PLANE  
H.V. CONNECTION SCHEME  
STRUCTURE MOUNTING SCHEME

DESIGN CRITERIA  
TO BE PARALLEL WITH  
PAD PLANE TO  $\leq 500 \mu m$  (.020")  
NEEDS TO BE FLAT WITHIN  $250 \mu m$  (.010)



D-16

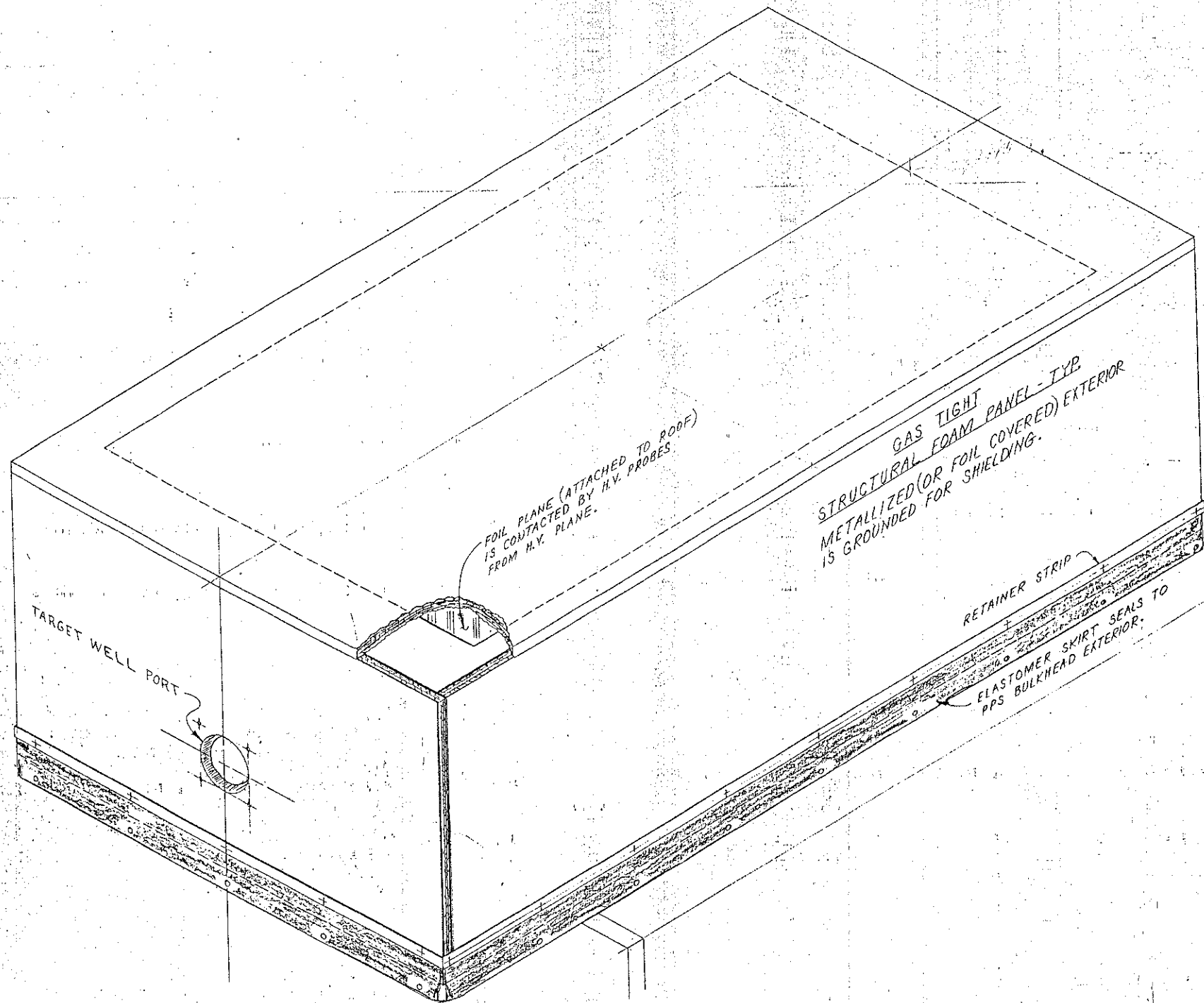




HISS-TPC D-17

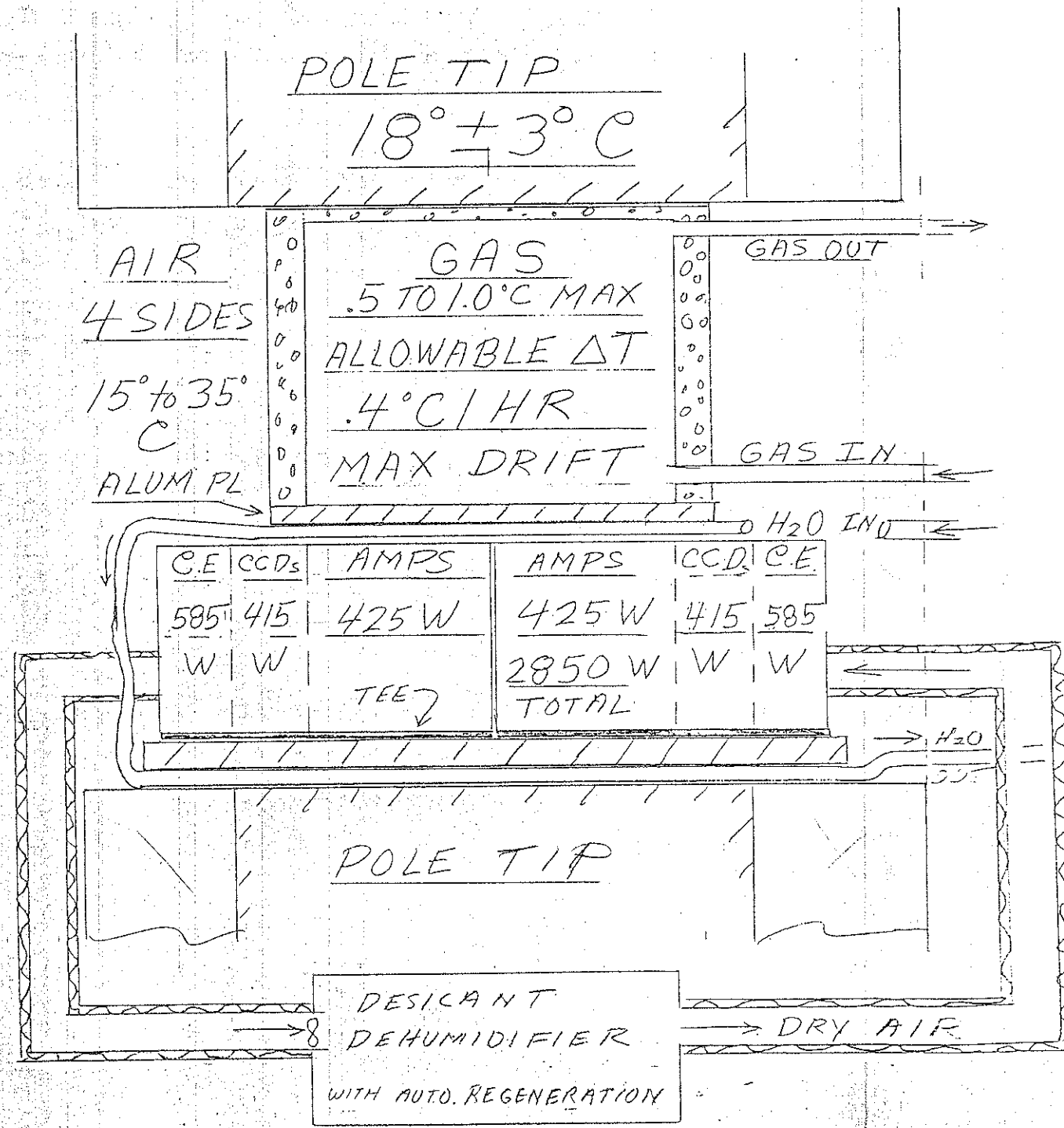
LASER + CALIBRATION LAYOUT

HISS-TPC  
7-10-87  
NR



HISS-TPC  
ILLUSTRATIONS  
COVER  
(GAS CONTAINMENT,  
EMI SHIELD,  
THERMAL INSULATOR)  
D-18.

No Scale  
7-11-69  
WH



THERMAL CONTROL SYSTEM  
HISS TPC 7-13-94 DDH  
D 19 a

