DESIGN CRITERIA:
TO BE PARALLEL WITH
PADDLE PLANE 79 ± 500 µm (∠0°)
NEEDS TO BE FAT WIDTH 550 µm (∠10°)

LIGHTLY LOAD THE SCAPING
CONTACT TO THE PADDLE INSIDE
OF GAS AND EVIL COVER.

TPC HIGH VOLTAGE PLANE
HV CONNNECTION SCHEME
STRUCTURE MOUNTING SCHEME

ALUMINUM ALLOY FRAME

METALIZED WIRE OR
METAL SCREEN

INSULATION

N ALLOY FIELD CAGE
MOUNTING PANEL STIFFENER

BRAZED HOLD DOWN AND
HV CONTACT SCREW

KAPTON FILM WITH DOUBLE
SIZED VOLTAGE GRADIENT
STRIPS (BOTH SIDES OF
COMPOSITE PANEL)

(FIELD CAGE COMPOSITE PANEL)

D-16
POLE TIP
18° ± 3°C

AIR
4 SIDES
15° ± 35°C
ALUM PL.

GAS
5 TO 10°C MAX
ALLOWABLE ΔT
4°C/HR
MAX DRIFT

CE CO2 AMPS
585 415 425 W

AMPS CE CO2
425 W 415 585

TOTAL
2850 W WW

DESI CANT
DEHUMIDIFIER
WITH AUTO. REGENERATION

DRY AIR

THERMAL CONTROL SYSTEM
HSS TPC 7-13-94 00W
D 19 0