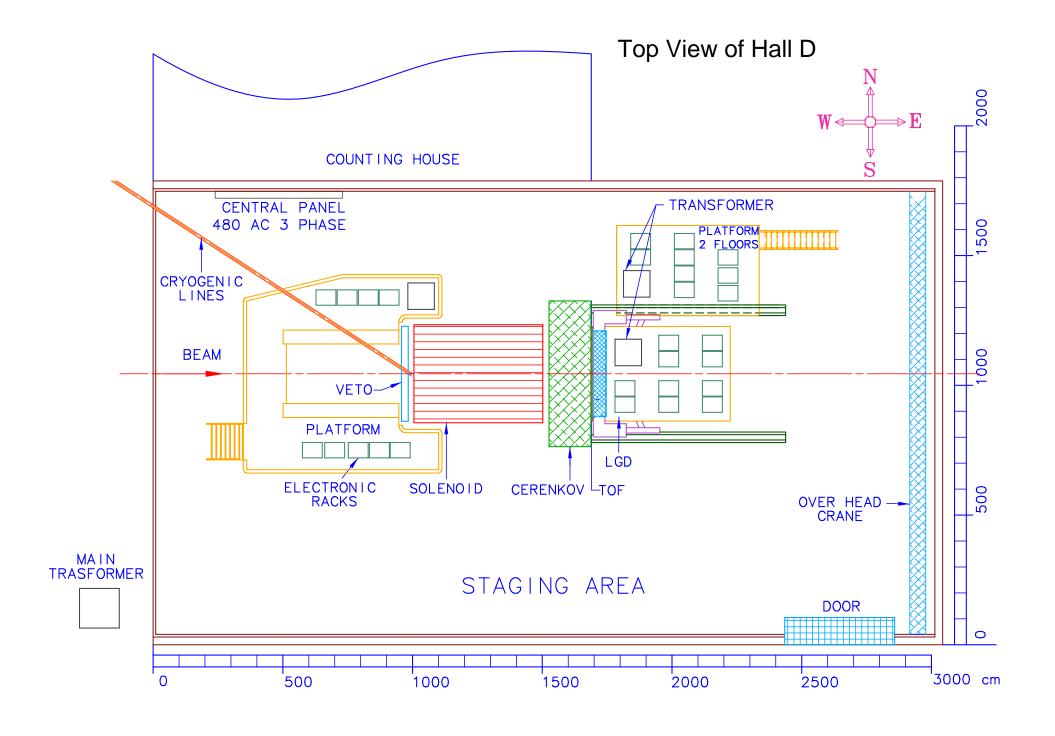
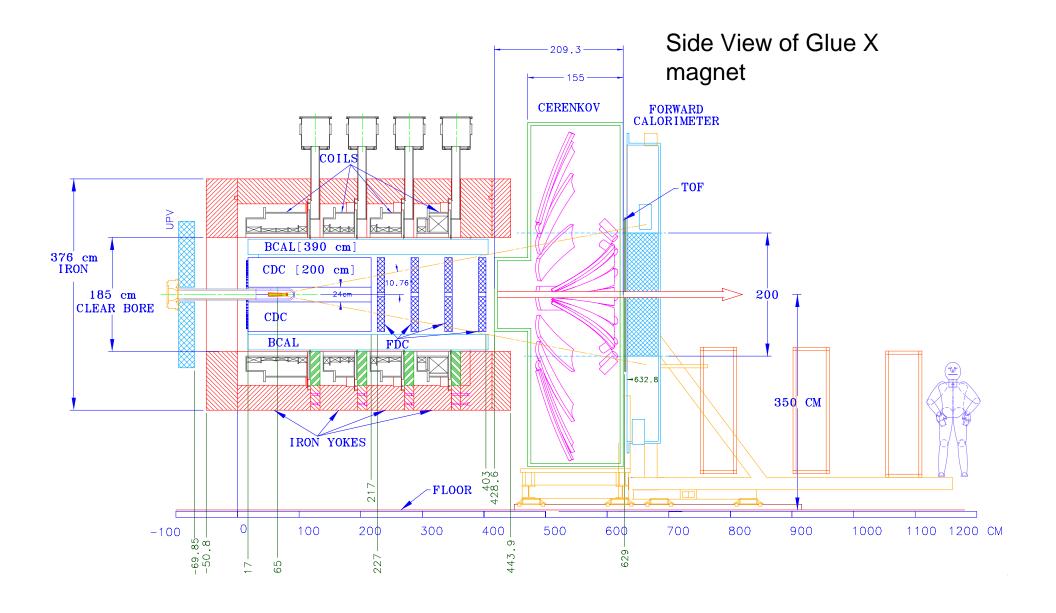
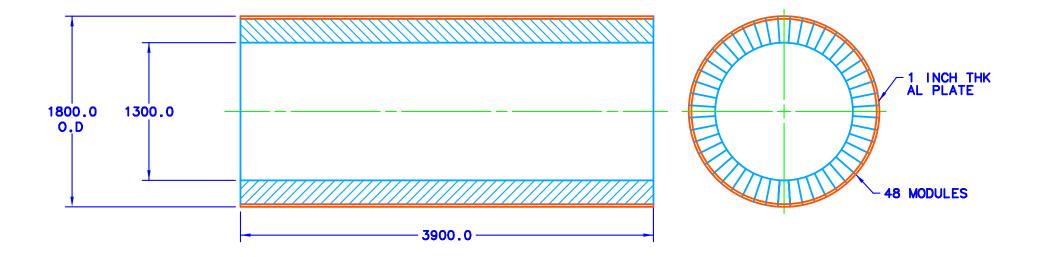
Hall D Sub Systems

Ravi Anumagalla April 27th '06







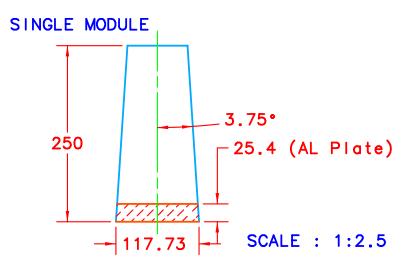
DESCRIPTION : BARREL CALORIMETER

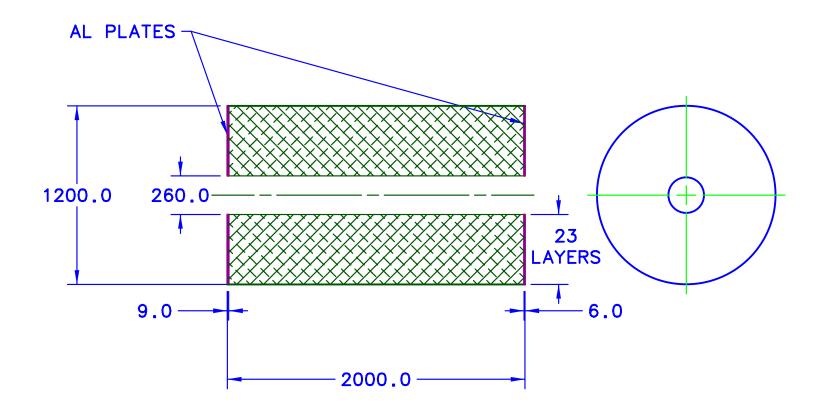
MATERIAL : LEAD AND SCINTILLATING FIBER

WEIGHT : 22 METRIC TONS

ALL DIMENSIONS ARE IN MM

SCALE 1:25





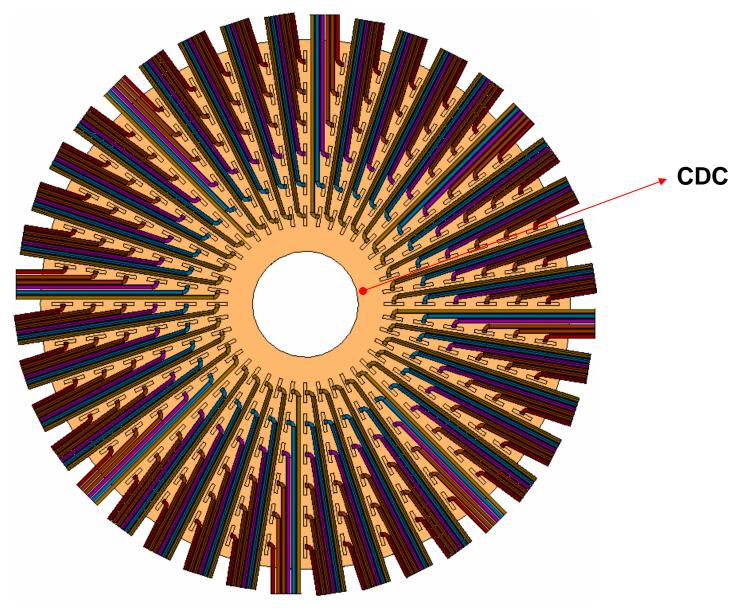
DESCRIPTION : CYLINDRICAL DRIFT CHAMBERS

WEIGHT: 500-700 KG

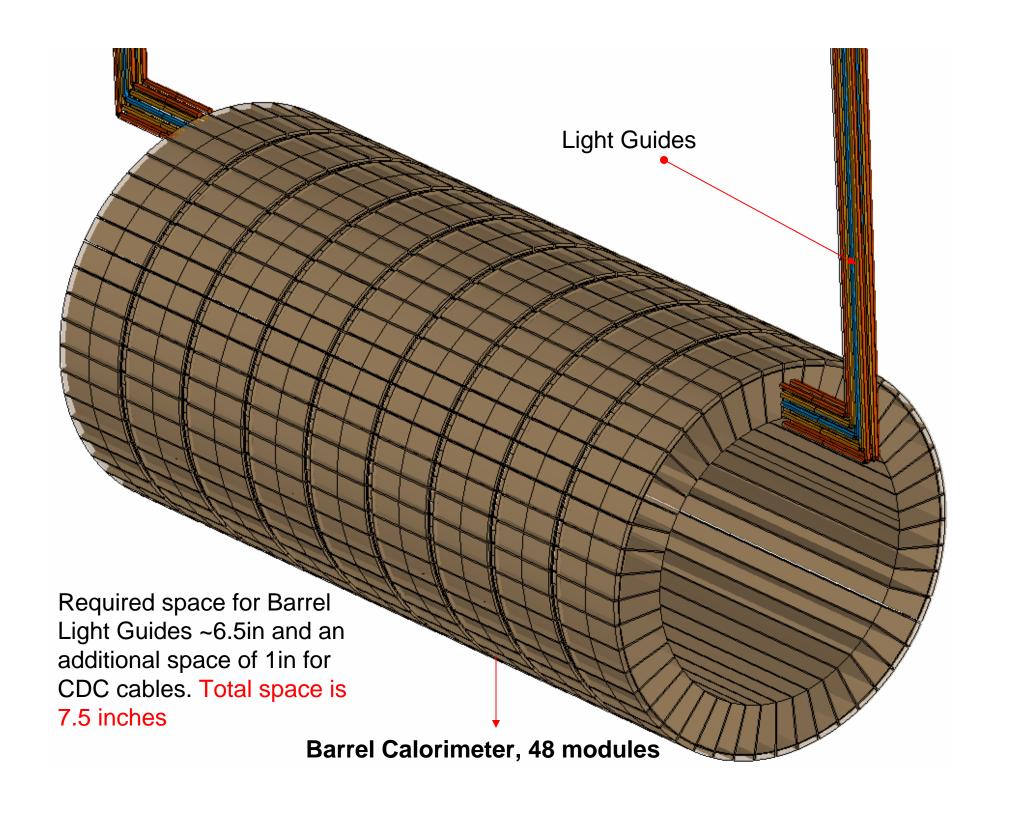
STRAW TUBES: 2 M LONG, 1.6 CM Ø,

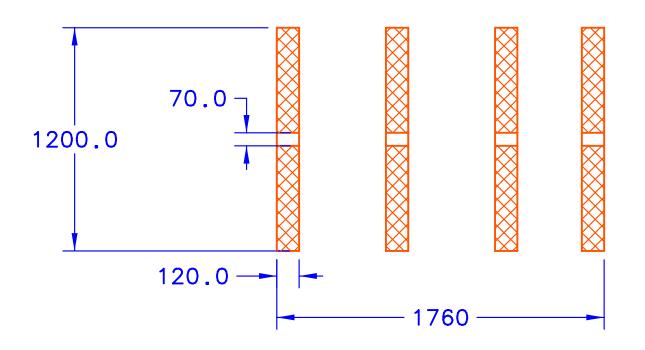
100 Micro Meter THK ALUMINISED KAPTON

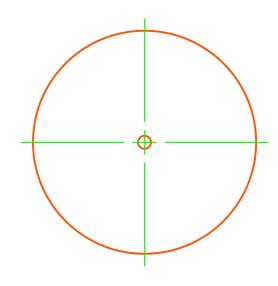
ALL DIMENSIONS ARE IN MM



220, CDC Cable Connectors & Routing Scheme







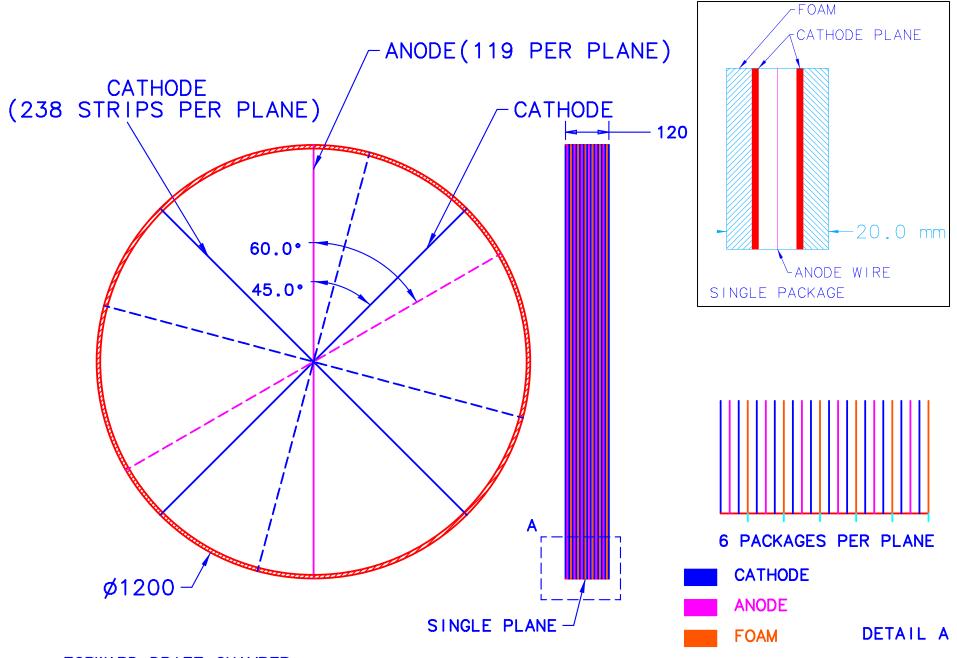
DESCRIPTION: FORWARD DRIFT CHAMBER

WEIGHT: 100 KG (INCLUDES SUPPORT STRUCTURE)

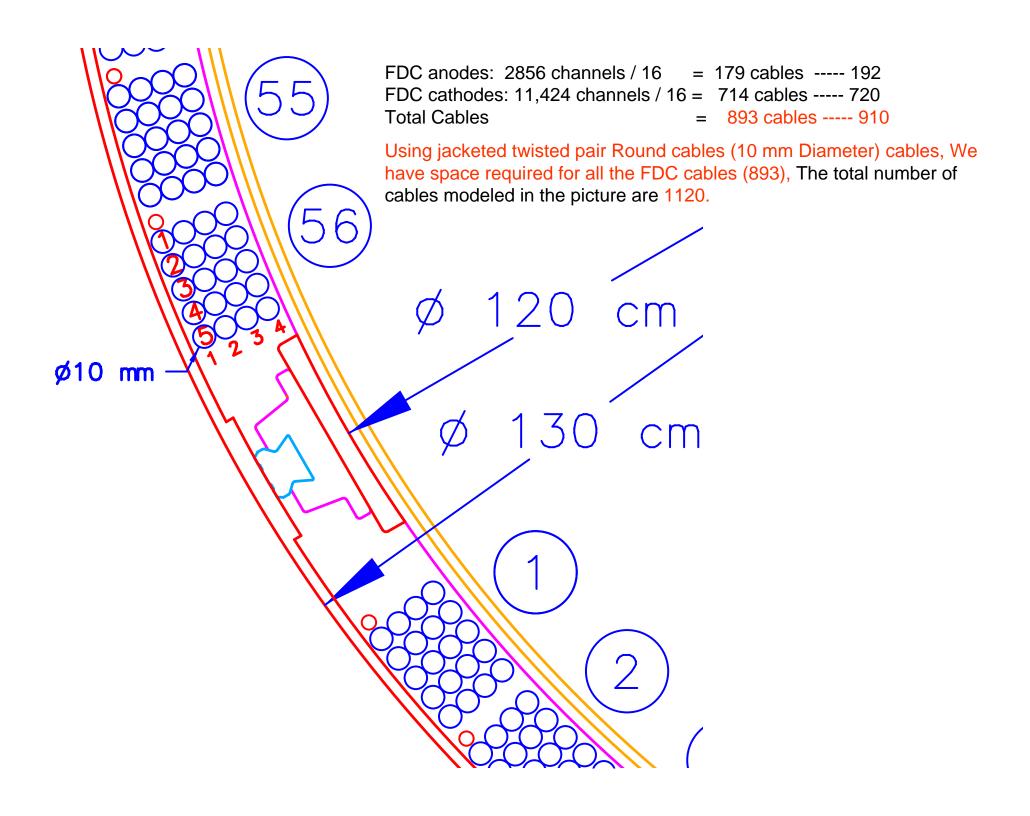
ALL DIMENSIONS ARE IN MM

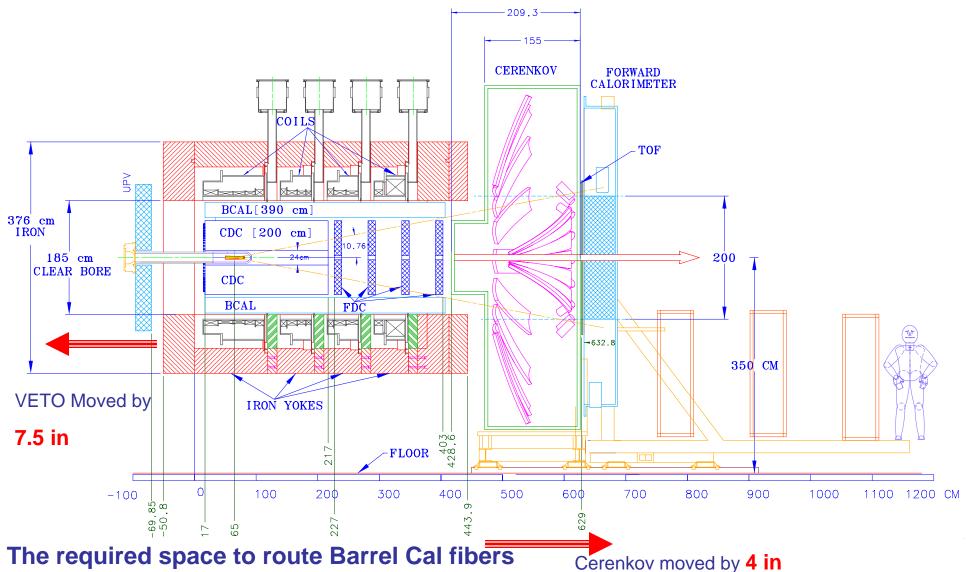
Weight of cables: 100 kg

Total Weight: ~ 200-250 Kg

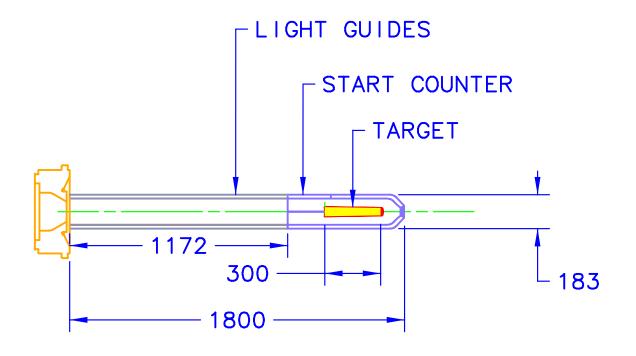


FORWARD DRIFT CHAMBER





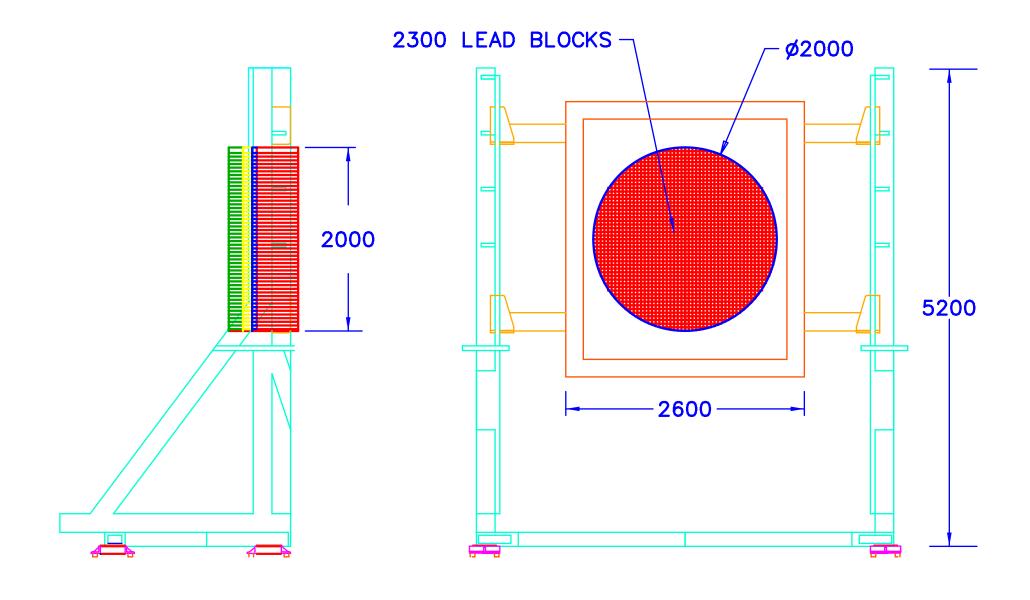
The required space to route Barrel Cal fibers and FDC cables is 10.5 inches, It is necessary to move the cerenkov downstream by 4 inches or greater. The required space for Barrel Cal fibers and CDC cables is 7.5 inches. VETO is moved by 7.5 in.



DESCRIPTION : TARGET

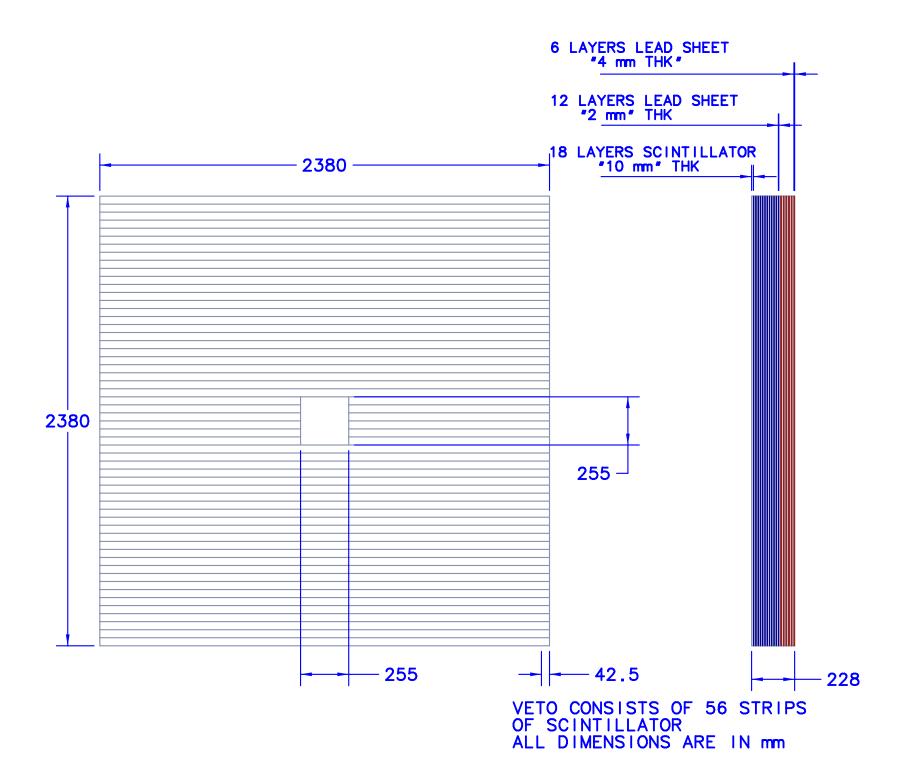
WEIGHT:

ALL DIMENSIONS ARE IN MM

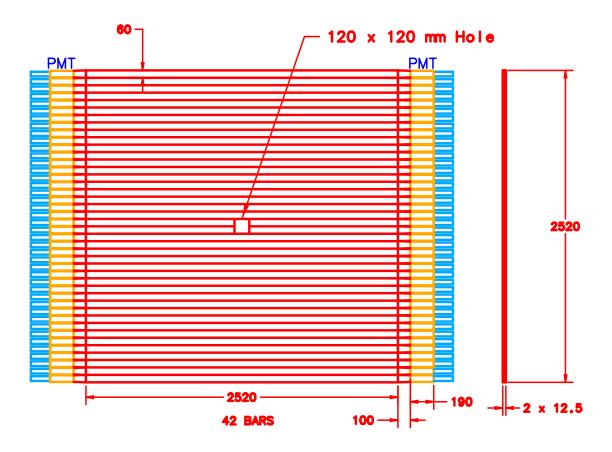


DESCRIPTION: LEAD GLASS DETECTOR CONTAINS 2300 LEAD BLOCKS OF 4 X 4 X 45 CUBIC CM

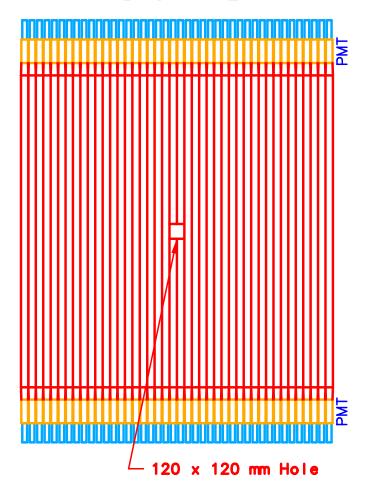
ALL DIMENSIONS ARE IN MM



FRONT VIEW



BACK VIEW



DESCRIPTION : FORWARD TIME OF FLIGHT WEIGHT:

SUPPORT STRUCTURE: EACH BAR IS 252 CM LONG, 6 CM WIDE AND 1.25 CM THK ALL DIMENSIONS ARE IN MM

