



430 TRANSMITTER  
 DWG. 430\_116  
 TITLE: SIMPLIFIED MODULATOR SCHEMATIC  
 DRAWN 1-99 TO REPLACE C349C116

file: 430\_116.ecw jbh 1-11-99

MODULATOR TANK

FLOATING DECK (-100V)

BUFFER DECK (-115KV)

FROM  
 -55kV TAP  
 ON BEAM  
 POWER SUPPLY

B+ BUS

B- BUS (-110kV)

FO (FIBER OPTIC ON) BRINGS THIS POINT DOWN TO FLOATING DECK POTENTIAL, TURNING ON V301, THE SWITCH TUBE.

Clamp tube gets switch tube kuffed off as tail clipper begins to turn on.

DESIGNED FOR RISE AND FALL TIMES OF 5uSECONDS

FO AND MA (FIBER OPTIC LOW AND MOD ANODE HI) BRINGS THIS POINT DOWN TO BUFFER DECK POTENTIAL, TURNING ON V401, THE TAIL CLIPPER. THE CLIPPER TURNS OFF WHEN MA HAS BEEN BROUGHT LOW.

Clamp tube prevents tail-clipper tube from being turned on (via C<sub>62</sub>) when switch tube turns on.

