



- |                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| 1. R1 to R5 = 200 Ohm         | 8. Spark Gap for EE set to 6.5KV                                       |
| 2. R6 & R7 = 100 Ohm          | 9. Local Current for EE PS set to 6mA<br>Dial Pot. set to 1.00 for 6mA |
| 3. G1 = Gemov 33 Volts        | 10. Water cooled high current cables<br>about 50 feet long (#1 to #8)  |
| 4. G2 & G3 = Gemov 18 Volts   |                                                                        |
| 5. R8 = 100K 5% (MS313)       |                                                                        |
| 6. G4 = Gemov 1000 Volts      |                                                                        |
| 7. C1 to C4 = 0.15uF 3KV Cap. |                                                                        |

TCS:CCB1 + 5 KV    TCS:XC B1 + 5 KV    TCS:YCB1 + 5 KV

⊕ EINZEL LENS  
Glassman  
40KV 7,500uA

in 145K Einzel Lens BOP 200 Meg. out

⊕ BIAS  
Glassman  
75KV 4,000uA

| REV | DATE         | REVISION DESCRIPTION                       | BY | APP'D |
|-----|--------------|--------------------------------------------|----|-------|
| 7   | 5 Mar. 2013  | Removed common wire from 55 Pin connector  | RD |       |
| 6   | 4 March 2013 | Ordered cables #1 to #8 as built           | RD |       |
| 5   | 27/02/2013   | Added Cap. to cable #4                     | RD |       |
| 4   | 22/02/2013   | Removed resistors on top of TM4 for EL P/S | RD |       |

**TRIUMF** 4004 HESBROOK MALL VANCOUVER, BRITISH COLUMBIA CANADA V6T-2A3 CANADA'S NATIONAL MESON FACILITY

Conditioning Station FEBIAD Source & TM4  
Anode Positive & TGHT Neg. to Common

|                 |          |                  |       |
|-----------------|----------|------------------|-------|
| DRAWN Ray Dube  | APPROVED | DWG NO. ISK4574D | REV 7 |
| DATE 28/01/2013 |          |                  |       |