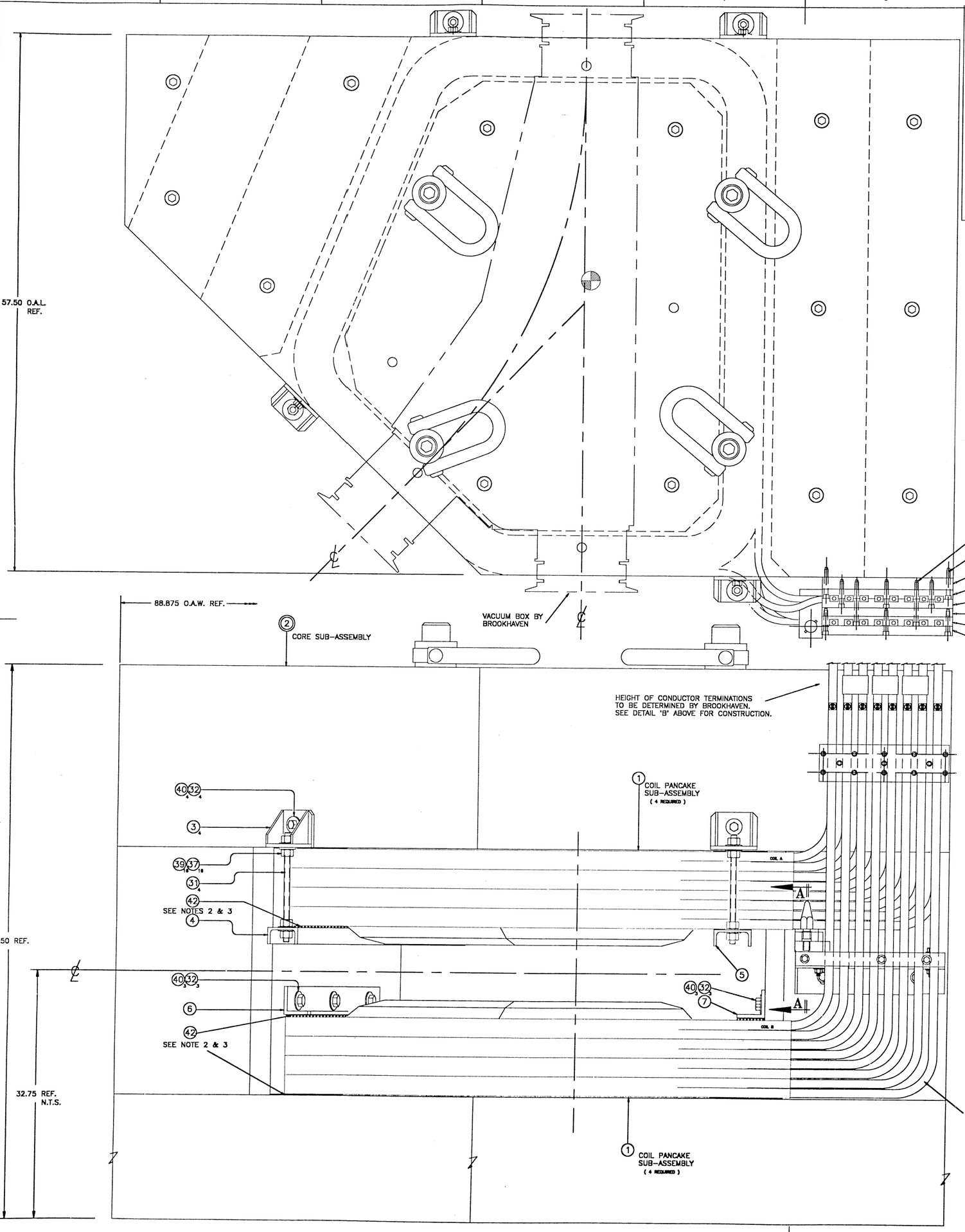
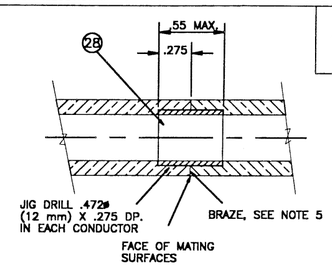
NOTES

1. THIS DWG. AND ALL REFERENCED DWGS. TO BE READ IN CONJUNCTION WITH TRIUMF SPECIFICATIONS.
2. COILS TO BE SHIMMED AROUND POLE AND AGIANST YOKE WITH ETHYLENE PROPYLENE SHEET.
3. PLACE ETHYLENE PROPYLENE BETWEEN ALL MOUNTING BRACKETS AND COIL SURFACES.
4. MOUNT CONDUCTOR BRACKETS (ITEMS 8 & 12) BY DRILLING AND TAPPING ON ASSEMBLY.
5. ALL COPPER TO COPPER JOINTS SHALL BE BRAZED WITHOUT FLUX USING HANDY–HARMON "SIL–FOS" OR APPROVED EQUAL.
6. AFTER ALL BRAZED AND MECHANICAL CONNECTIONS ARE MADE, PRESSURE TEST WITH AN INTERNAL HYDROSTATIC PRESSURE OF 300 P.S.I.
7. MINIMUM RESISTANCE COPPER TO GROUND SHALL BE MORE THAN 15 MEGOHM @ 1500V.
8. AFTER BENDING, BRAZING AND TESTING, CONDUCTOR TAILS SHALL BE WRAPPED WITH FIBREGLASS TAPE, AND SOAKED WITH EPOXY (WET LAY–UP). LEAVE APPROX. 4" BARE EACH SIDE OF EVERY BRAZE WHERE POSSIBLE AND LEAVE CONDUCTOR BARE THRU BRACKETS 10,13 &16.
9. THERMOSWITCHES SHALL BE CALIBRATED TO BE OPEN @ 160° F. AND CLOSED @ 140° F. (NORMALLY CLOSED) SWITCHES TO BE WIRED IN SERIES AND THE WIRE NEATLY LAID.
10. FOR ILLUSTRATION OF BUS CONNECTION BETWEEN COIL A &COIL B, REFERENCE DWG. B–3982.

Item	Description	Material	Quan.
1	E–30970 CORE ASSEMBLY	....	1
2	D–33165 COIL ASSEMBLY	.....	8
3	D–33307 ITEM 3	... .	4
4	D–33307 ITEM 4	.....	1
5	D–33307 ITEM 5	.....	1
6	D–33308 ITEM 6	.....	1
7	D–33308 ITEM 7	.....	1
8	D–33308 ITEM 8	.....	1
9	D–33309 ITEM 9	.....	1
10	D–33309 ITEM 10	.....	1
11	D–33309 ITEM 11	.....	1
12	D–33310 ITEM 12	.....	1
13	D–33310 ITEM 13	.....	1
14	D–33310 ITEM 14	.....	1
15	D–33311 ITEM 15	.....	1
16	D–33311 ITEM 16	.....	1
17	D–33311 ITEM 17	.....	1
19	D–33312 ITEM 19	.....	1
20	D–33312 ITEM 20	.....	1
21	D–33312 ITEM 21	.....	1
22	D–33312 ITEM 22	.....	1
25	C–30646 ITEM 25	.....	16
26	C–30646 ITEM 26	.....	8
27	C–30646 ITEM 27	.....	16
28	A–3590 ITEM 28	.....	AR INSPEC
29	CONNECTOR – IMPERIAL EASTMAN DP BARRIED CONNECTOR PINYL–TYDALE FLAT BEAT 10726–CUPPY	.....	16
30	THERMOSTAT – T.I. KLIXON #4434–13–223	.....	16
31	5/8–11 UNC THREADED ROD x 12 LG.	STEEL	4
32	1/2–13 UNC HEX HD MACHINE SCREW x 1 1/2 LG.	"	12
33	3/8–16 UNC HEX HD MACHINE SCREW x 2 3/4 LG.	"	3
34	3/8–16 UNC HEX HD MACHINE SCREW x 2 LG.	"	2
35	3/8–16 UNC SOC HD CAP SCREW x 2 1/2 LG.	"	13
36	3/8–16 UNC SOC HD CAP SCREW x 4 1/2 LG.	"	4
37	5/8–11 UNC HEX NUT	"	16
38	3/8–16 UNC HEX NUT	"	3
39	5/8 DIA. PLAIN WASHER	"	16
40	1/2 DIA. PLAIN WASHER	"	12
41	3/8 DIA. PLAIN WASHER	"	6
42	ETHYLENE PROPYLENE FOR SHIMS (1/8 SHEET)	ETHYLENE PROPYLENE RUBBER	AR INSPEC
43	1/8 DIA. ROLL PIN x 1 1/2 LG.	STEEL	1
44	3/8–16 UNC FLAT HD MACHINE SCREW x 1 1/2 LG.	"	2

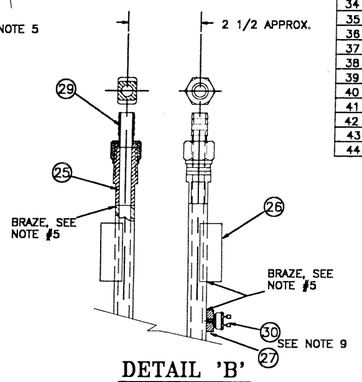
APPROX. WEIGHT OF COMPLETE ASSEMBLY = 74,200 LBS.





EXAMPLE OF CONDUCTOR SPLICING (IF NECESSARY)

SCALE = 2 x FULL SIZE



DETAIL 'B'

SCALE = 1/2 FULL SIZE

SECTION 'A–A'

SCALE = 1/2 FULL SIZE

FOR ILLUSTRATION OF THIS JOINT, SEE DWG. B–3982

CODE #09

BNL NO. D12–M–5803–5

R.A. CAT. "A–3"

TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONAL DIMENSIONS ±
DECIMAL - ±
ANGULAR - ±
SURFACE FINISH ✓ RMS OR BETTER

Rel. Dwgs.	Rev	Date	Loc.	Revision	By	App'd

UNIVERSITY of BRITISH COLUMBIA VANCOUVER, B.C. CANADA

TRIUMF

Designed
Drawn L.ELLSTROM
Checked
Approved
Drawing List D.L. 3618

GENERAL ASSEMBLY
LESB III D1 – DIPOLE MAGNET
BROOKHAVEN NATIONAL LAB

Scale 1–4 | Master Dbsk No. | Dwg. No. E–30969 | Rev A

Date FEB.19,91