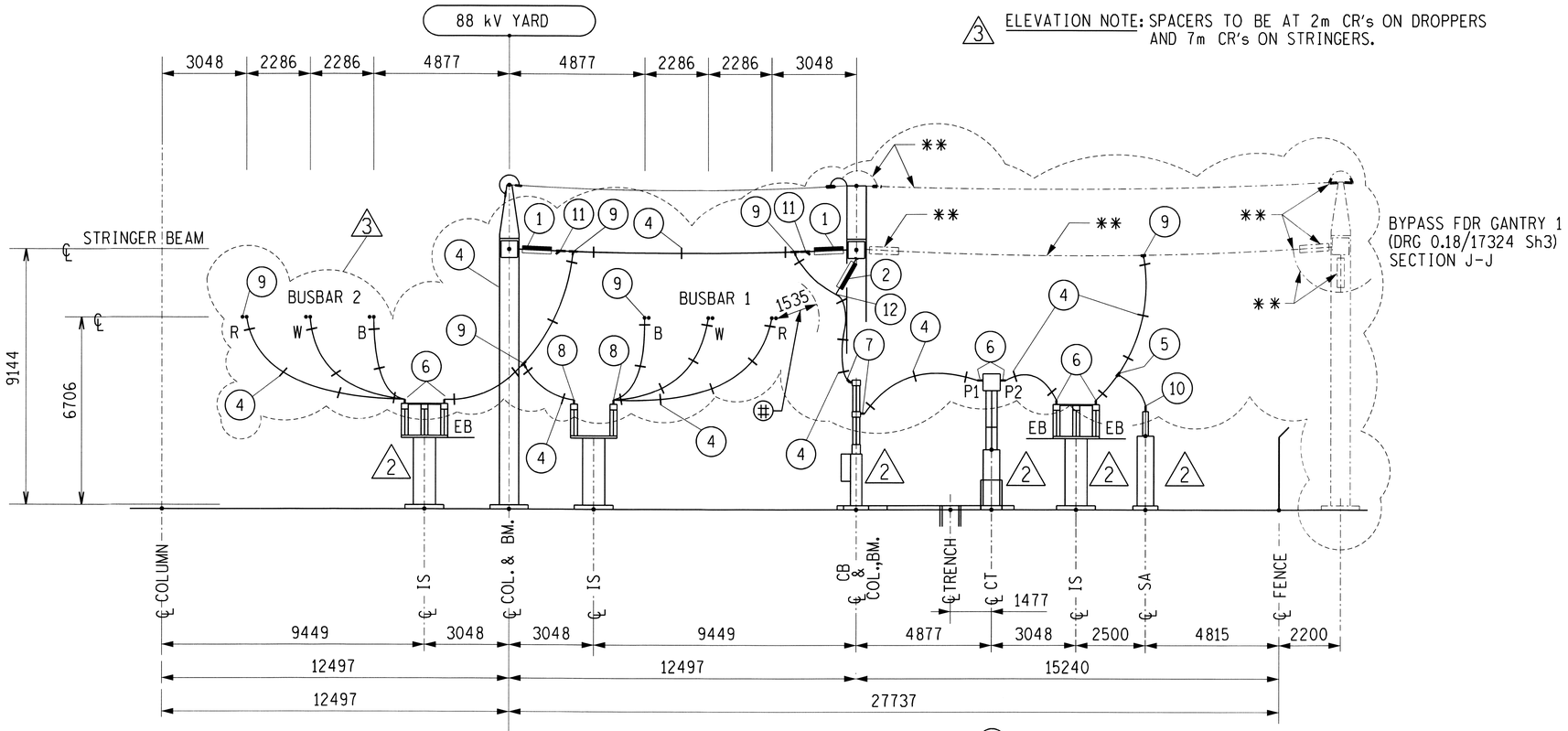
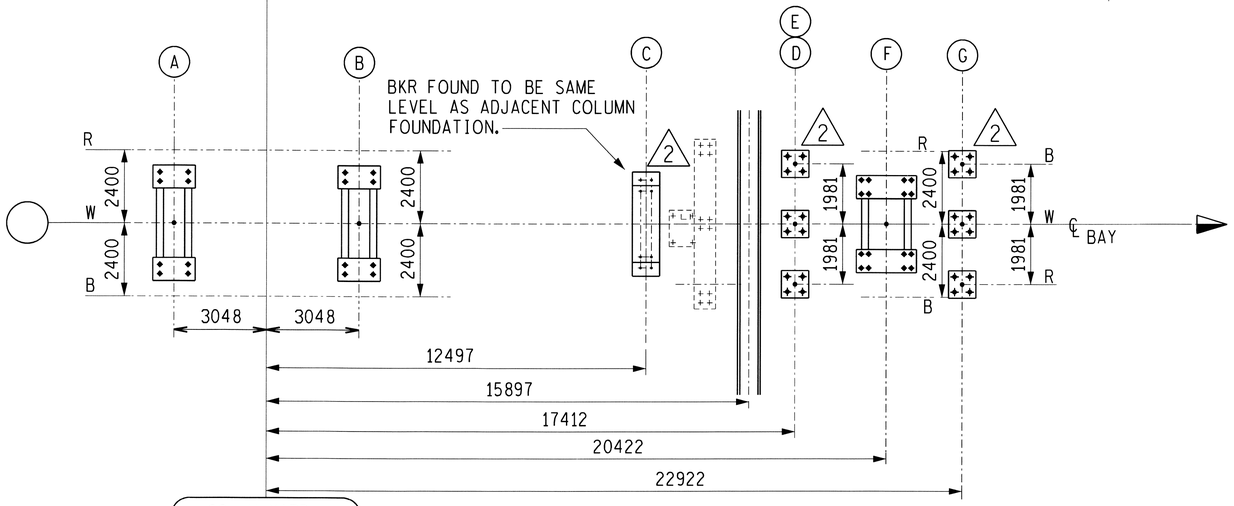


ELEVATION NOTE: SPACERS TO BE AT 2m CR's ON DROPPERS AND 7m CR's ON STRINGERS.



CONDUCTOR AND HARDWARE SCHEDULE			SIZE	QUANT.
CONDUCTOR		BUSBAR	2X800mm²	——
	△3	STRINGER AND DROPPER	2X800mm²	336m
	△3	DROPPER (SA ONLY)	1x400mm²	10m
	△2 ⊗	EQUIPMENT EARTHING	50x3 Cu	60m

CLAMPS AND HARDWARE TO DRG No 0.54/412	DESCRIPTION	MK	ITEM	QUANT
△3	INSULATOR STRING ASSEMBLY POLYMERIC (STRAIN)	1	B44 *	6
△3	INSULATOR STRING ASSEMBLY POLYMERIC (SUSPENSION)	2	E42 *	3
△3	SPACER CLAMP (CURRENT)	3	S-13	0
△3	SPACER CLAMP (NON-CURRENT)	4	S-2	88
△2	TEE CLAMP(EXISTING)	5	TC-9	3
△3	STUD CLAMP	6	YC-4	18
△3	PALM TAP-OFF CLAMP	7	YC-17	6
△3	STUD CLAMP	8	Y-7/8	6
△3	TEE CLAMP	9	TC-10	36
△3	CROSS CLAMP	10	K-2	3
△3	STRAIN CLAMP (PISTOL TYPE)	11	STA30/40	12
△3	SUSP'N CLAMP (CRADLE TYPE)	12	SPA30/40	6

FOUNDATION PLAN

NOTE: 1. EQUIPMENT FOUNDATION LEVEL TO BE 150 ABOVE FINISHED TERRACE LEVEL EXCEPT WHERE OTHERWISE SHOWN.
THE THREE SEPARATE BASES FOR THE SAME ITEM OF EQUIPMENT ARE TO BE AT THE SAME LEVEL. (EG: CT BASES ON ALL THREE PHASES).

FINAL DESIGN FOR CONSTRUCTION

88 kV YARD

FOUNDATION		A △2	B △3	C △2	D △3	E △2	F △3	G △2
FOUNDATION DRG No 0.54/		483	483	⊗ 4245	⊗ 308	STRUCT. MTD.	483	⊗ 308
EQUIPMENT		⊗ISOLATOR	ISOLATOR	⊗ CB	⊗ CT	⊗ JB	⊗ISOLATOR	SA
EQUIPMENT RATING	AMPS	2500	1250	3150	2500	——	2500	
	kA	40	25	40	40	——	40	
MAKER		ALSTOM	BBC	ALSTOM	ALSTOM	——	ALSTOM	ABB
OUTLINE DRG No 0.54/		⊗ 4478		⊗ 5643	4937	——		
TERMINAL STEM		38Ø	26Ø	8HHP	38Ø		38Ø	26Ø
ORDER NUMBER								
STEELWORK DRG No 0.54/	SUPPORT	X 0.18/18512	——	⊗ 4244	⊗ 301	——	X 0.18/18512	⊗ 302
	CAP	——	——	——	⊗ 306	——	——	⊗ 306
	ADAPTOR							

NOTES : (REV 2)

⊞ - MINIMUM DISTANCE TO BE MAINTAINED

⊗ - INDICATES NEW ITEM

NB. : JB IS STRUCTURE MOUNTED

X - INDICATES MODIFIED ITEM

NOTES : (REV 3)

* - POLYMERIC INSULATORS TO BE USED FOR THE B44 & E42 INSULATOR ASSEMBLIES

** - LINE CONDUCTOR; EARTHWIRE ; INS ASSY's; CLAMPS; AND SPACERS TO BE QUANTIFIED ON BYPASS LAYOUT DRG 0.18/17324 Sh4

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
4	NATIONAL BYPASSES: DRG REV'D TO 'FOR CONSTRUCTION' STATUS.				15/08/2014
3	NATIONAL BYPASSES: BAY RE-STRUNG. INS ASSY's; CLAMPS; CONDUCTOR REV'D. NOTE FOR REV 3 ADDED. EXT'N STRAPS DEL. ITEMS 'A'-'D'; 'F'&'G' RATINGS REV'D AS PER SITE WALK-DOWN. ELEVATION NOTE ADDED.	JEB	SB	D DELLY	2/6/2014
0	FIRST ISSUE	.	.	.	.

Eskom Transmission

ESKOM HOLDINGS LIMITED
REG No 2002/015527/06

ESSELEN
88kV FEEDER 11

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0.18/17320 | SHEET NUMBER 45 | REVISION 4

SIZE GRIDDTTE A1L