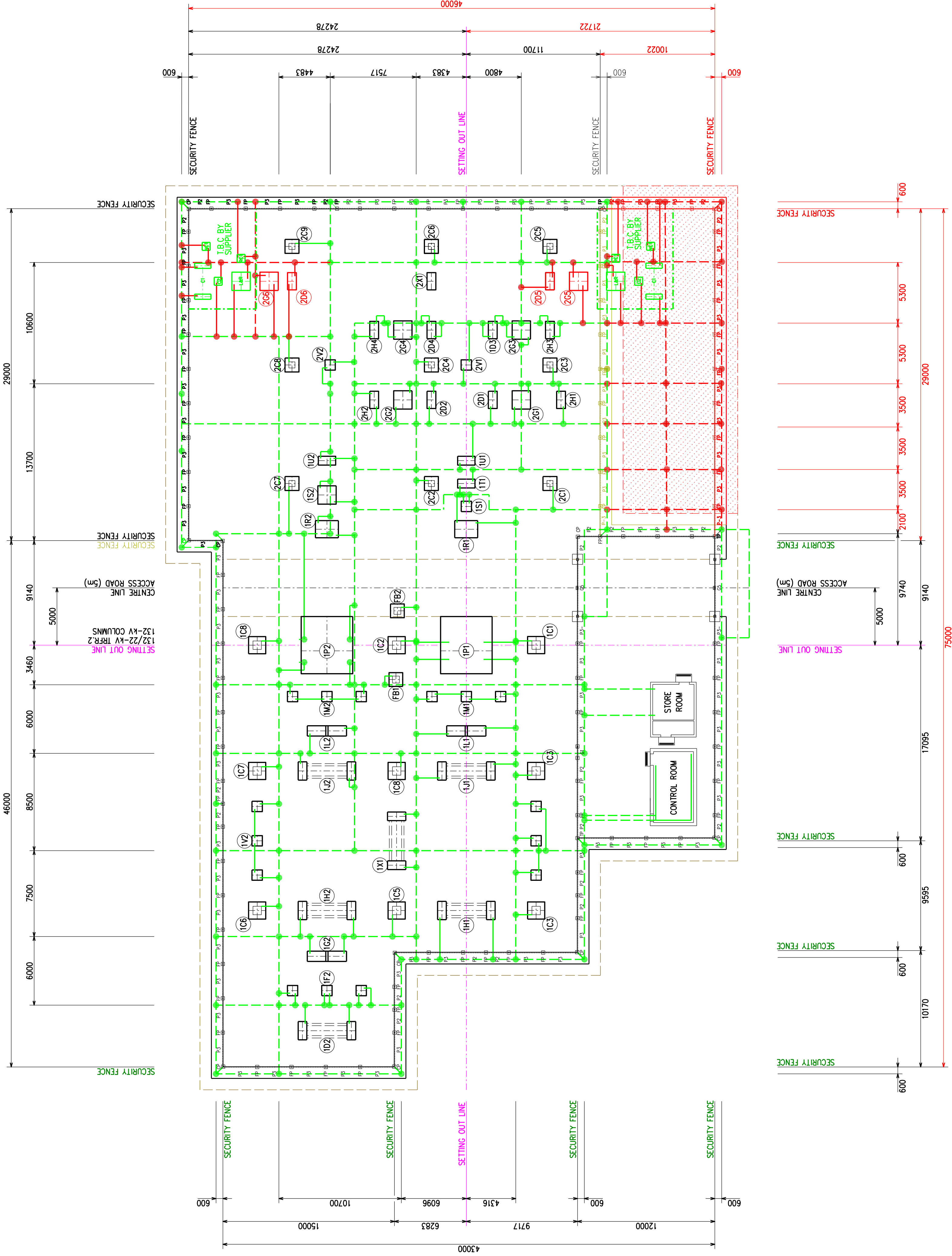




1. FOR DETAILS OF STRUCTURE EARTH, SEE DRG No: D-01-5240 SHEETS 02, 03, 04 AND 19
2. FOR DETAILS OF TRANSFORMER EARTHING, SEE TRANSFORMER PLINTH DETAIL
3. EARTH MAT TO BE {10mm BLACK COPPER ROD BURIED AT MIN 1m BELOW GROUND LEVEL
4. EARTHING TAILS : GATE POSTS – 50x3mm FLAT COPPER EQUIPMENT – 50x3mm FLAT COPPER (CONCEALED)
5. ALL CONNECTIONS TO EARTH MAT TO BE BRAZED (SILBRALLOY) WHERE APPLICABLE OR EXOTHERMIC WELDED IN ACCORDANCE WITH DRG No: D-01-5240 SHEETS 01 & 02
6. SECURITY FENCE TO BE EARTHED AT MAXIMUM INTERVALS OF 18m
FINAL CONNECTION TO FENCE POSTS TO BE MADE BELOW FINAL YARD STONE LEVEL
EACH GATE POST TO BE EARTHED 70mm FLEXIBLE TAIL LUGGED AND BOLTED TO EACH GATE LEAF
7. WHERE APPLICABLE, THE TWO CLOSEST LEGS OF EACH HV TERMINAL TOWER SHALL BE CONNECTED TO THE EARTH MAT WITH {10mm COPPER ROD, BURIED 1000mm MINIMUM BELOW FINAL TERRACE LEVEL

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LEGEND	
	EARTH MAT {10mm COPPER ROD
	EQUIPMENT EARTH TAIL 50x3mm FLAT COPPER
	TRANSFORMER EARTH TAILS 2x {16mm Cu COATED MS BAR
	EARTH MAT TO EARTH MAT "T" JOINT {10mm COPPER ROD
	EARTH MAT TO EARTH MAT "X" JOINT {10mm COPPER ROD
	EARTH MAT TO TAIL "T" JOINT 50x3mm FLAT COPPER
	FENCE TO TAIL 50x3mm FLAT COPPER
	EQUIPMENT TO EARTH MAT TAIL 50x3mm FLAT COPPER
	EQUIPMENT TO EARTH MAT TAIL 50x3mm FLAT COPPER

[illegible]

MAKHA THINI SUBSTATION 132/22-KV EARTH MAT AND SECURITY FENCE PLAN	SET		SHEET	NEW S I O N
	17		04	05
	ER00024			