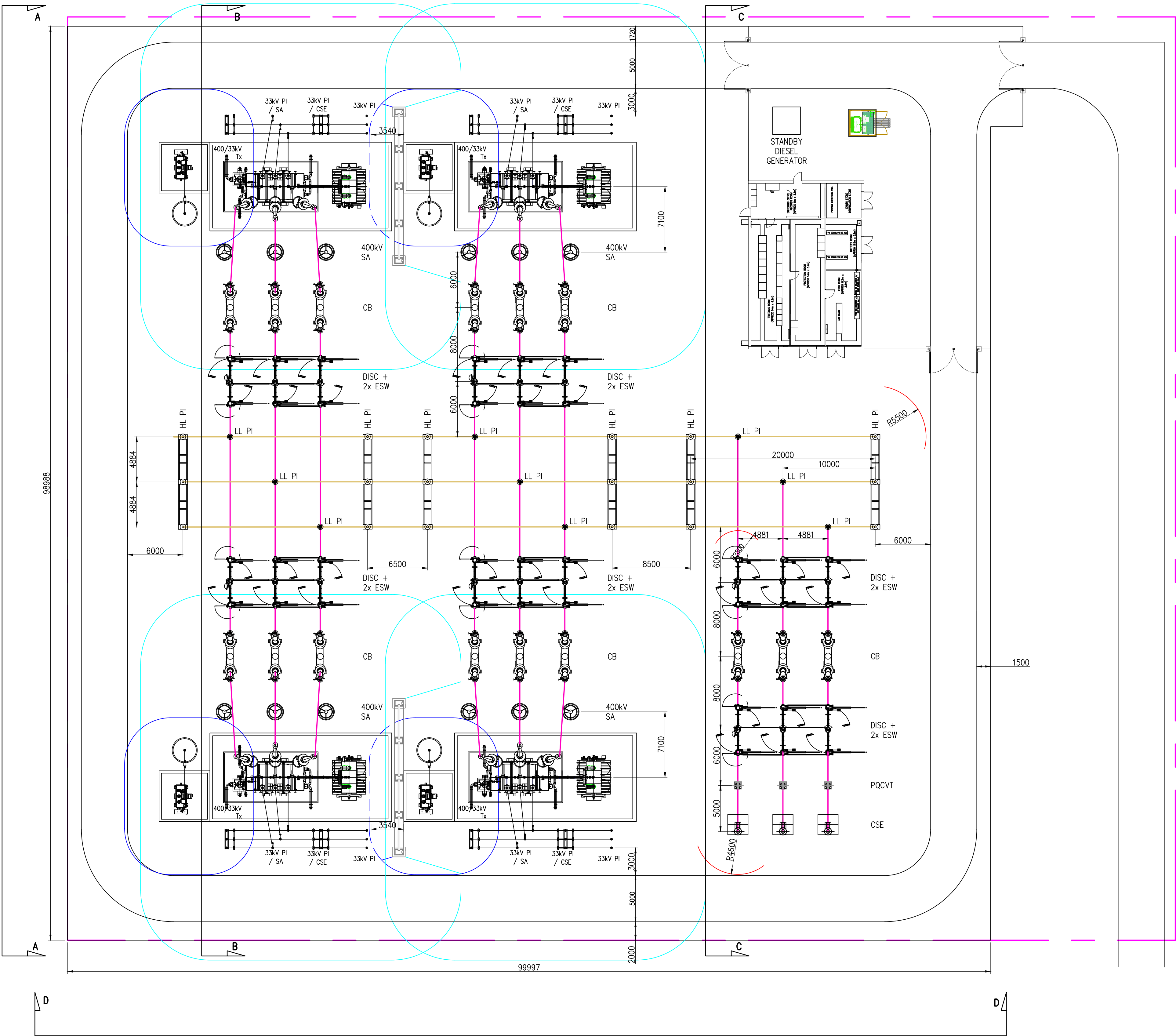


ABBREVIATION:
CB CIRCUIT BREAKER
CSE CABLE SEALING END
DISC DISCONNECTOR
DT DEAD TANK
ESW EARTH SWITCH
ET EARTHING TRANSFORMER
HL HIGH LEVEL
LL LOW LEVEL
NER NEUTRAL EARTHING RESISTOR
PI POST INSULATOR
SA SURGE ARRESTER

- | — | — | — | — SECURITY FENCE
- 400kV LOW LEVEL BUSBAR
- 400kV HIGH LEVEL BUSBAR
- 400kV Tx FIRE DAMAGE ZONE
- 33kV Tx FIRE DAMAGE ZONE
- DESIGNATED SUBSTATION AREA

400kV MINIMUM ELECTRICAL CLEARANCES	
DESCRIPTION	DISTANCE (m)
PHASE TO PHASE CLEARANCE	3.6
PHASE TO EARTH CLEARANCE	2.4
DESIGN CLEARANCE FOR SAFETY (VERTICAL) D ₉₅	5.5
DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) D _{9H}	4.6
INSULATION HEIGHT (PEDESTRIAN ACCESS)	3.1
SAFETY DISTANCE	2.4
MEWP DESIGN CLEARANCE FOR SAFETY (VERTICAL) D ₁₂	7.5
MEWP DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) D _{12H}	6.6

33kV MINIMUM ELECTRICAL CLEARANCES	
DESCRIPTION	DISTANCE (m)
PHASE TO PHASE CLEARANCE	0.43
PHASE TO EARTH CLEARANCE	0.50
DESIGN CLEARANCE FOR SAFETY (VERTICAL) D ₃₅	3.2
DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) D _{35H}	2.3
INSULATION HEIGHT (PEDESTRIAN ACCESS)	2.4
SAFETY DISTANCE	0.8
MEWP DESIGN CLEARANCE FOR SAFETY (VERTICAL) D ₃₂	5.2
MEWP DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) D _{32H}	4.3



PI	16.03.23	PRELIMINARY	EC	MG	MG
REV	DATE	DESCRIPTION	DRN	DES	REV APP
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400/33kV COMPOUND LAYOUT					
PROJECT NAME CULHAM JET					
CUSTOMER STATERA ENERGY					
CUSTOMER DRAWING NUMBER ****			STATUS PRELIMINARY		
DRAWING NUMBER PR01078-03-LAY001		SCALE 1:250	SIZE A1	REVISION P1	