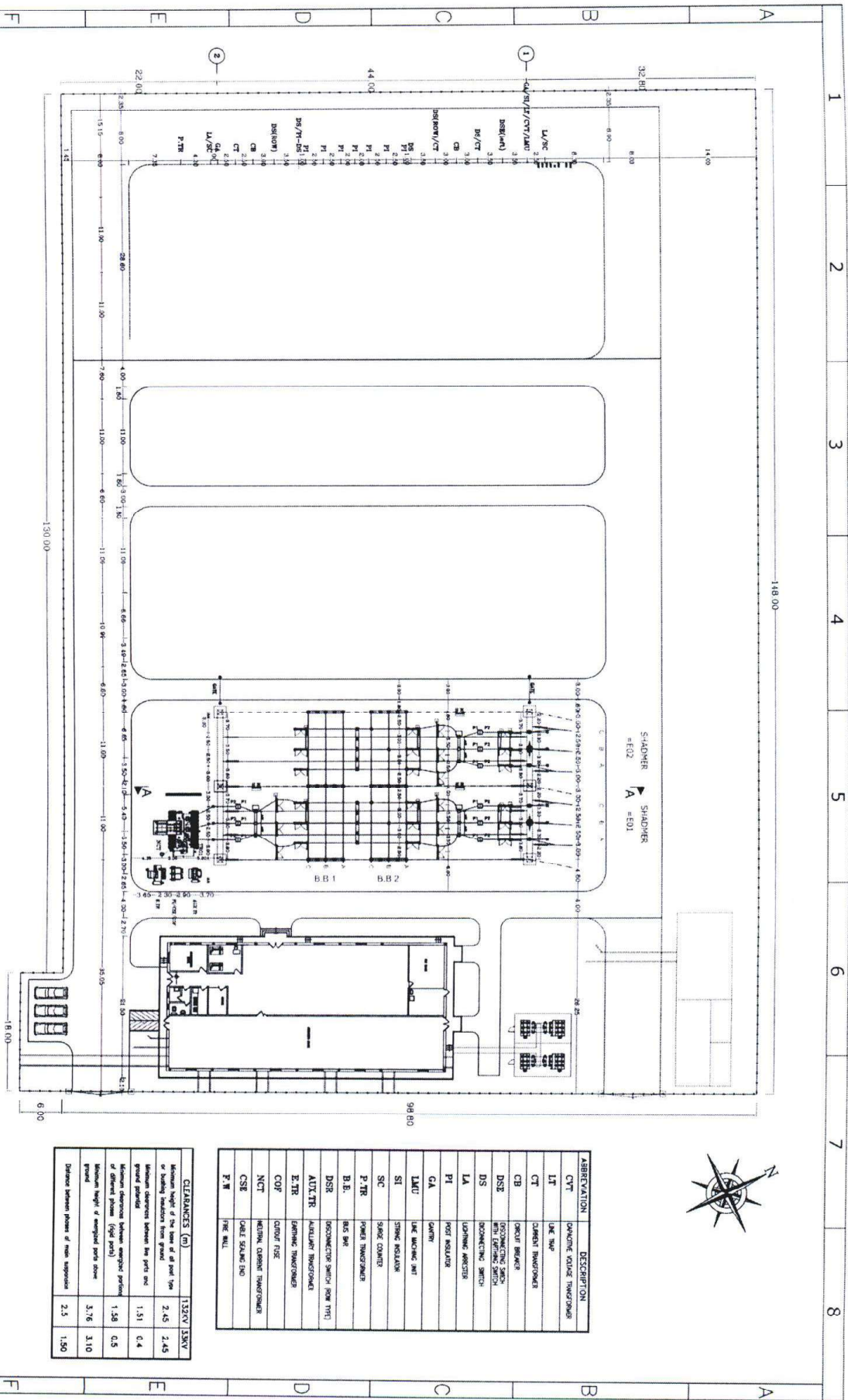




ABBREVIATION	DESCRIPTION
CVT	CHANGING VOLTAGE TRANSFORMER
LT	LINE TRANSFORMER
CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
DSE	DISCONNECTING SWITCH WITH EARTHING SWITCH
DS	DISCONNECTING SWITCH
LA	LOADING AMMETER
PI	POWER METER
GA	GALVANOMETER
LMU	LINE METER UNIT
ST	STRONG RELAY
SC	SHOCK COIL
P.TB	POWER TRANSFORMER
B.E.	BUS BAR
DSR	DISCONNECTING SWITCH FROM TIE
ALT.TB	ALTERNATE TRANSFORMER
E.TB	EMERGENCY TRANSFORMER
COF	CUT OFF FUSE
NCT	NIGHT CURRENT TRANSFORMER
CSE	CABLE SCALE IN
P.TB	POWER METER

CLEARANCES (m)	132KV	33KV
Minimum height of the wire at all point type	2.45	2.45
Minimum clearance between the parts and ground parallel	1.51	0.4
Minimum clearance between energized part of different phase (high part)	1.58	0.5
Minimum height of energized parts above ground	3.76	3.10
Distance between poles of same suspension	2.5	1.50

REV C	04/10	Consultant:	Employer:	Contractor:	Name	Date	Title:	Project:	Scale:
B	04/08	ISSUE FOR APPROVE	SAMIN ENERGY PAYDAR	MAHVELAT	E. BAKZGEAR	1404/10	GENERAL LAYOUT	GOLBANG 20 MW SOLAR POWER PLANT	1/500
A	04/06	ISSUE FOR APPROVE			E. BAKZGEAR	1404/10		33/132 KV SUBSTATION	Size: A3
Z	04/05	ORIGINAL ISSUE	TOUS STADI CONSULTING ENGINEERS	MAHVELAT	E. BAKZGEAR	1404/10			Sheet: 03
REV		Description:	DATE		APPROVED	M. DANESHPOU	DWG. NO. MVL/404/3/132/600	Contract No:	Next: 04

