



KEY PLAN

REFERENCE DOCUMENTS

DOCUMENT NO.	TITLE
P0206-000000-VFR-DRAW-ED-021-R04	General - Busduct system layout
P0206-230000-VFR-DRAW-ED-006-R00	Electrical Substation - Overall Single Line
V40110-060-REVL- OGT DOC	ELECTRICAL LAYOUT

NOTES/LEGEND:

STANDARD:
-GENERAL TECHNICAL SPECIFICATION AND EXECUTION PROCEDURES FOR ELECTRICAL INSTALLATION OF BUILDINGS (R1-110-2 IRAN STANDARD)
-GENERAL TECHNICAL SPECIFICATION AND EXECUTION PROCEDURES FOR ELECTRICAL INSTALLATION OF BUILDINGS LOW AND MEDIUM VOLTAGE ELECTRICAL INSTALLATIONS (R2-110-1 IRAN STANDARD)
-TYPICAL DETAILS FOR BUILDING ELECTRICAL INSTALLATIONS NO: 393 IRAN STANDARD
-IEC, VDE, NFPA, ISIRI
-CONSTRUCTION INDUSTRY LAW AND LEGISLATION IRAN BUILDING ELECTRIC EQUIPMENT DESIGN AND CONSTRUCTION STANDARD (MABHAS 13, 2016 IRAN STANDARD)

TRB, TR1, TR2,TR3,TR4,TR5	TRANSFORMER BOOSTING 1600KVA
IB, I1, I2,TR3,I4,I5	INCOMING CELL
CBB, CB1, CB2,CB3,CB4,CB5	CAPACITOR BANK KVA
LB, L1, L2,L3,L4,L5	LOAD DISTRIBUTION CELL
CB, C1, C2,C3,C4,C5	COUPLE CELL
DB, D1, D2,D3,D4,D5	DISEL CELL CELL

SIGN		Protection	DESCRIPTION					
		IP54	Distribution panel .MDP, EMDP Installation FREE STANDING					
		IP44	Electrical panel-surface mounted Installation Height: bottom of panel 150cm from finished floor					

REV	DATE	DESCRIPTION	DRAW. BY	DESG. BY	CHKD. BY	APPR. BY	AUTH. BY
3							
2	22/04/2026	ISSUED FOR CONSTRUCTION	N.K.	R.SH.	M.R.S.	M.H.	M.H.
1	04/01/2026	ISSUED FOR CONSTRUCTION	N.K.	R.SH.	M.R.S.	M.H.	M.H.
0	20/05/2025	ISSUED FOR APPROVAL	A.M.	R.SH.	M.R.S.	M.E.	M.H.

Client:

Iran Glass Wool Co.

Consultant:

Vista Faraz Rayvarz
Project Management and Engineering Co.

Project Title:

Iran Glass Wool Complex

Drawing Title:

ELECTRICAL SUBSTATION
Electrical Equipment Arrangement

Scale	Drawing No.	Sheet	Rev.
1:100	P0206-230000-VFR-DRAW-ED-004	1 of 1	

SIZE: A1

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