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FAZELABAD
63/20 KV SUBSTATION
PANEL ARANGMENT

REFERENCE DOCUMENT & DWG

LEGENDS

NOTES

KEY PLAN

F	ADD TO LETTER NO:1404/17818802/23578	ISSUED	REVISION	REVISION	REVISION	REVISION	04.07.08
E	ADD TO LETTER NO:1404/178802/18808	ISSUED	REVISION	REVISION	REVISION	REVISION	04.04.10
D	ADD TO LETTER NO:1404/178802/13332	ISSUED	REVISION	REVISION	REVISION	REVISION	04.04.11
C	-----	ISSUED	REVISION	REVISION	REVISION	REVISION	04.05.10
B	ADD TO LETTER NO:1403/178802/81308	ISSUED	REVISION	REVISION	REVISION	REVISION	03.10.12
A	ADD TO LETTER NO:1403/178802/80881	ISSUED	REVISION	REVISION	REVISION	REVISION	03.11.07
O	FIRST ISSUE	ISSUED	REVISION	REVISION	REVISION	REVISION	03.11.07
Rev.	DESCRIPTION	DRAWN	DESIGNED	CHGD.	HEAD	APPR.	DATE

PROJECT: FAZELABAD 63/20KV AIS S/S

TITLE: PANEL ARANGMENT

OWNER'S DWG. NO.: MD1-BQ-05-SS-E-06-NQ0-036
SCALE: AS SHOWN
CONTRACT NO.: MD1-BQ-05-SS-E-06-NQ0-038





DESIGN TYPE: BASIC DESIGN ☐
DETAIL DESIGN ☐

DRAWN	DESIGNED	CHGD.	HEAD	APPR.	DATE





MAPNA'S DWG. NO.: MD1-BQ-05-SS-E-06-NQ0-038
SUB CONTRACTOR DWG. NO.: F

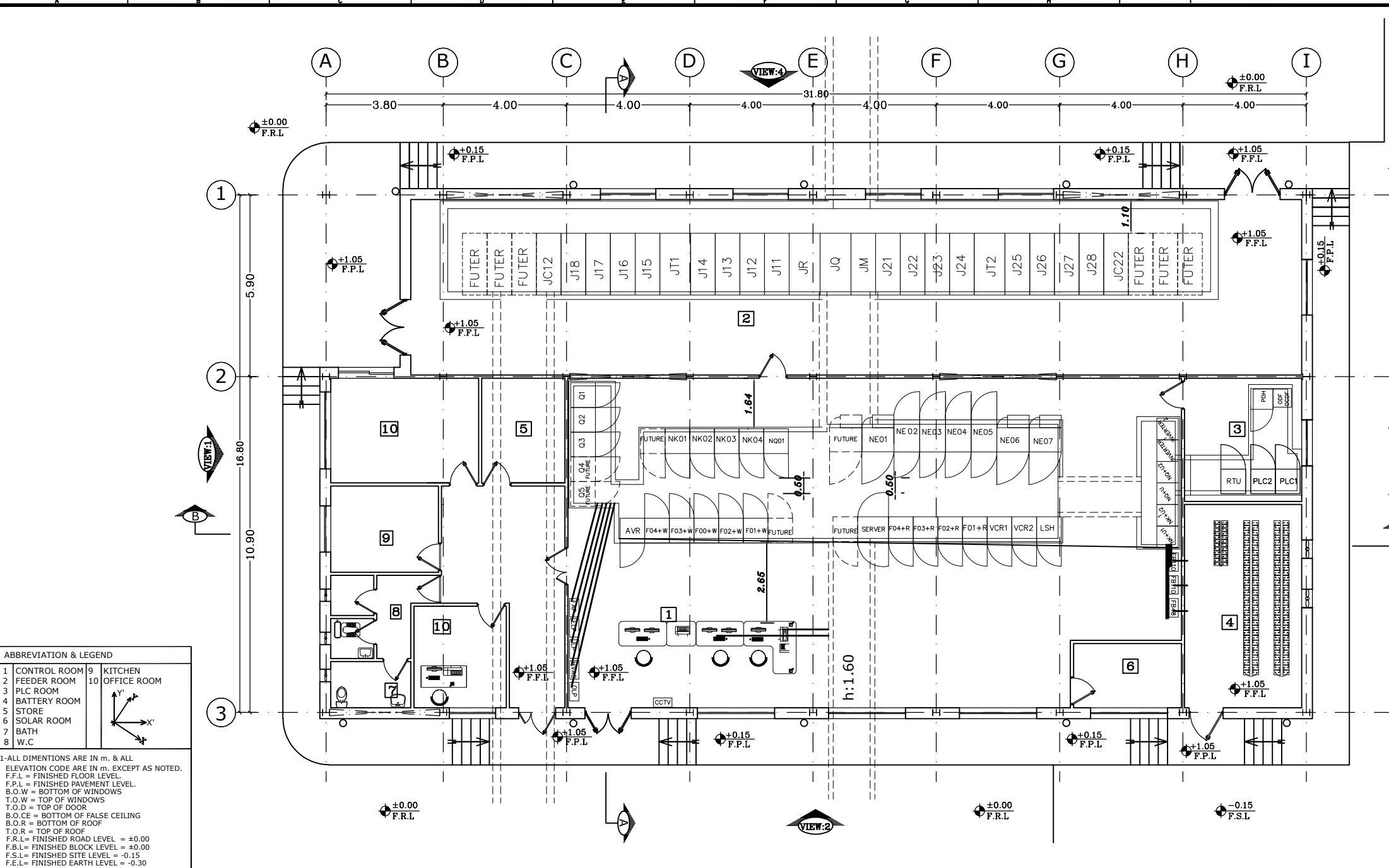
XXXX IN-HOUSE REVISION							
F	ADD TO LETTER NO:1404/17818802/23578	ISSUED	REVISION	REVISION	REVISION	REVISION	04.07.08
B	ADD TO LETTER NO:1403/178802/81308	ISSUED	REVISION	REVISION	REVISION	REVISION	14.03.12.12
A	ADD TO LETTER NO:1403/178802/80881	ISSUED	REVISION	REVISION	REVISION	REVISION	14.03.11.07
O	FIRST ISSUE	ISSUED	REVISION	REVISION	REVISION	REVISION	14.03.11.07
Rev.	DESCRIPTION	DRAWN	DESIGNED	CHGD.	HEAD	APPR.	DATE

ITEM	TITLE	REV					
		0	A	B	C	D	E
0	COVER SHEET	0	A	B	C	D	E
1	INDEX	0	A	B	C	D	E
2	PANEL ARRANGEMENT	0	A	B	C	D	E

<div> MAZANDARAN REGIONAL ELECTRIC COMPANY (M.R.E.C)</div>	SUB-CONTRACTOR'S LOGO	F	ADD TO LETTER MD1404/178802/	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.08.02	DWG./Doc. No. MD1-BQ-05-SS-E-06-NQ0-036	SCALE :	<div> Mapna Power Plants Construction & Development Co(MD-1)</div>	<div> MOHAM SHARGH CO.</div>	<div> GHODS NIROO CONSULTING ENGINEERS</div>
	SUB CONTRACTOR DWG. NO.:	E	ADD TO LETTER MD1404/178802/16888	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.04.16					
		D	ADD TO LETTER MD1404/178802/13332	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.04.01	DRAWING TITLE: INDEX	REV. NO. : F SHEET: 1 OF: 3			
		C	---	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.03.19					
		B	ADD TO LETTER MD1403/178802/91308	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1403.12.12					
O	FIRST ISSUE	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1403.11.05							
MAPNA'S DWG. No. : MD1-BQ-05-SS-E-06-NQ0-036	NIYAM'S LOGO	REV.	DESCRIPTION	DWN	DESN	CHKD	APPR	DATE					

Row	Code	Description	Size(L*W*H) (cm)
1	=F01+W	63KV CONTROL PANEL	80*80*220
2	=F02+W	63KV CONTROL PANEL	80*80*220
3	=F00+W	63KV CONTROL PANEL	80*80*220
4	=F03+W	63KV CONTROL PANEL	80*80*220
5	=F04+W	63KV CONTROL PANEL	80*80*220
6	=F01+R	LINE PROTECTION PANEL	80*80*220
7	=F02+R	BAY TRANS PROTECTION PANEL	80*80*220
8	=F03+R	LINE PROTECTION PANEL	80*80*220
9	=F04+R	BAY TRANS PROTECTION PANEL	80*80*220
10	=VCR1,VCR2	VCR PROTECTION PANEL	80*80*220
11	=AVR	AVR PANEL	80*80*220
12	+NK01&+NK04	LVDC DISTRIBUTIONs PANEL	80*80*220
13	+NK02&+NK03	LVDC MAIN PANELs	80*80*220
14	+NE01	NONE ESSENTIAL&ESSENTIAL LVAC DISTRIBUTION PANEL	80*75*220
15	+NE02 & +NE03	LVAC MAIN PANELs	80*80*220
16	+NE04	LVAC BUSCOUPLER PANELs	80*80*220
17	+NE05	LVAC DIESEL GENERATOR PANELs	80*80*220
18	+NE06	ESSENTIAL&ESSENTIAL LVAC DISTRIBUTION PANEL	80*75*220
19	=+Q1	63KV BAYS METERING PANEL	80*80*220
20	=NK+R	110V FUSE BOX PANEL	80*30*60
21	=NQ+R	48V FUSE BOX PANEL	80*30*60
22	+NQ1	48V DC DISTRIBUTION PANEL	80*80*220
23	=NK+U	110V DC CHARGER	70*70*220
24	=NQ+U	48V DC CHARGER	70*70*220
25	+LSH	LOAD SHEDDING PANELs	80*80*220
26	+RTU	RTU PANEL	80*80*220
27	+HVI	HVI PANEL	80*80*220
28	+SERVER	SCADA PANEL	100*80*220
29	+PLC	PLC PANEL	80*60*220
30	+ODF/OCDF	SERVER PANEL	60*60*220
31	+PDH	FIBER OPTICAL CABLE PANEL	50*50*220
32	+SWITCH	SWITCH PANELs	60*60*220
33	=LLP	INDOOR LIGHTING PANEL	80*35*50
34	=ELP	DC EMERGENCY PANEL	80*35*50
35	=FAP	FIRE ALARM PANEL	50*35*50
36	=OLP	OUTDOOR LIGHTING PANEL	80*35*50
36	=HVAC	HVAC LIGHTING PANEL	80*35*50
37	=J11	20KV OUTGOING PFEEDER	800*2350*2000
38	=J11	20KV INCOMING PFEEDER	1000*2350*2000
39	=JQ	20KV COUPLER PFEEDER	1000*2350*2000
40	=JR	20KV REISER PFEEDER	1000*2350*2000
41	=JM	20KV METERING PFEEDER	800*2350*2000
42	=JC	20KV CAPACITOR PFEEDER	800*2350*2000

 <p>MAZANDARAN REGIONAL ELECTRIC COMPANY (M.R.E.C)</p> <p>MAPNA'S DWG. No. : MD1-BQ-05-SS-E-06-NQ0-036</p>	SUB-CONTRACTOR'S LOGO	F	ADD TO LETTER MD1404/178802/	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.08.02	DWG./Doc. No. MD1-BQ-05-SS-E-06-NQ0-036 SCALE :	 <p>Mapna Power Plants Construction & Development Co(MD-1)</p>	 <p>MOHAM SHARGH CO.</p>	 <p>GHODS NIROOM CONSULTING ENGINEERS</p>
		D	ADD TO LETTER MD1404/178802/16888	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.04.16				
	SUB CONTRACTOR DWG. NO.:	C	-----	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1404.04.01	DRAWING TITLE: INDEX			
		B	ADD TO LETTER MD1404/178802/91308	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1403.12.12				
NIYAM'S LOGO MD1-BQ-05-SS-E-06-NQ0-036	O	FIRST ISSUE	M.MOHAJERI	M.MOHAJERI	M.ATAEI	M.ATAEI	1403.11.06	DESIGN STAGE : FILE No.	SHEET: 2 OF: 3 FORMAT : A3	PROJECT : FAZELABAD 63/20KV AIS S/S		
	REV.	DESCRIPTION	DWN	DESN	CHKD	APPR	DATE					



ABBREVIATION & LEGEND

1 CONTROL ROOM

2 FEEDER ROOM

3 PLC ROOM

4 BATTERY ROOM

5 STORE

6 SOLAR ROOM

7 BATH

8 W.C.

9 KITCHEN

10 OFFICE ROOM

1-ALL DIMENTIONS ARE IN m. & ALL ELEVATION CODE ARE IN m. EXCEPT AS NOTED.

F.F.L = FINISHED FLOOR LEVEL.

F.P.L = FINISHED PAVEMENT LEVEL.

B.O.W = BOTTOM OF WINDOWS

T.O.W = TOP OF WINDOWS

T.O.D = TOP OF DOOR

B.O.CE = BOTTOM OF FALSE CEILING

B.O.R = BOTTOM OF ROOF

T.O.R = TOP OF ROOF

F.R.L= FINISHED ROAD LEVEL = ±0.00

F.B.L= FINISHED BLOCK LEVEL = ±0.00

F.S.L= FINISHED SITE LEVEL = -0.15

F.E.L= FINISHED EARTH LEVEL = -0.30

<div><div><div><div></div><div>MAZANDARAN REGIONAL ELECTRIC COMPANY</div></div><div><div>MAPNA'S DWG. No. : MD1-BQ-05-SS-E-06-NQ0-036</div></div></div><div><div>SUB-CONTRACTOR'S LOGO</div><div>SUB CONTRACTOR DWG. NO.:</div><div>NIYAM'S LOGO</div></div></div>	<div><div>F</div><div>ADD TO LETTER NO:1404/178802/</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1404.08.02</div></div> <div><div>E</div><div>ADD TO LETTER NO:1404/178802/16888</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1404.04.16</div></div> <div><div>D</div><div>ADD TO LETTER NO:1404/178802/13332</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1404.04.01</div></div> <div><div>C</div><div>---</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1404.03.19</div></div> <div><div>B</div><div>ADD TO LETTER NO:1403/178802/91308</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1403.12.12</div></div> <div><div>O</div><div>FIRST ISSUE</div><div>M.MOHAJERI</div><div>M.MOHAJERI</div><div>M.ATAEI</div><div>M.ATAEI</div><div>1403.11.09</div></div> <div><div>REV.</div><div>DESCRIPTION</div><div>DWN</div><div>DESN</div><div>CHKD</div><div>APPR</div><div>DATE</div></div>	<div><div>DWG./Doc. No. MD1-BQ-05-SS-E-06-NQ0-036</div><div>DRAWING TITLE: PANNEL ARRANGMENT PLAN</div><div>DESIGN STAGE : FILE No.</div></div>	<div><div>SCALE :</div><div>REV. NO. : F</div><div>SHEET: 5 OF:</div><div>FORMAT : A3</div></div>	<div><div><div><div></div><div>Mapna Power Plants Construction & Development Co(MD-1)</div></div><div><div>MOHAM SHARGH CO.</div></div></div><div><div>GHODS NIROO CONSULTING ENGINEERS</div></div></div>			