
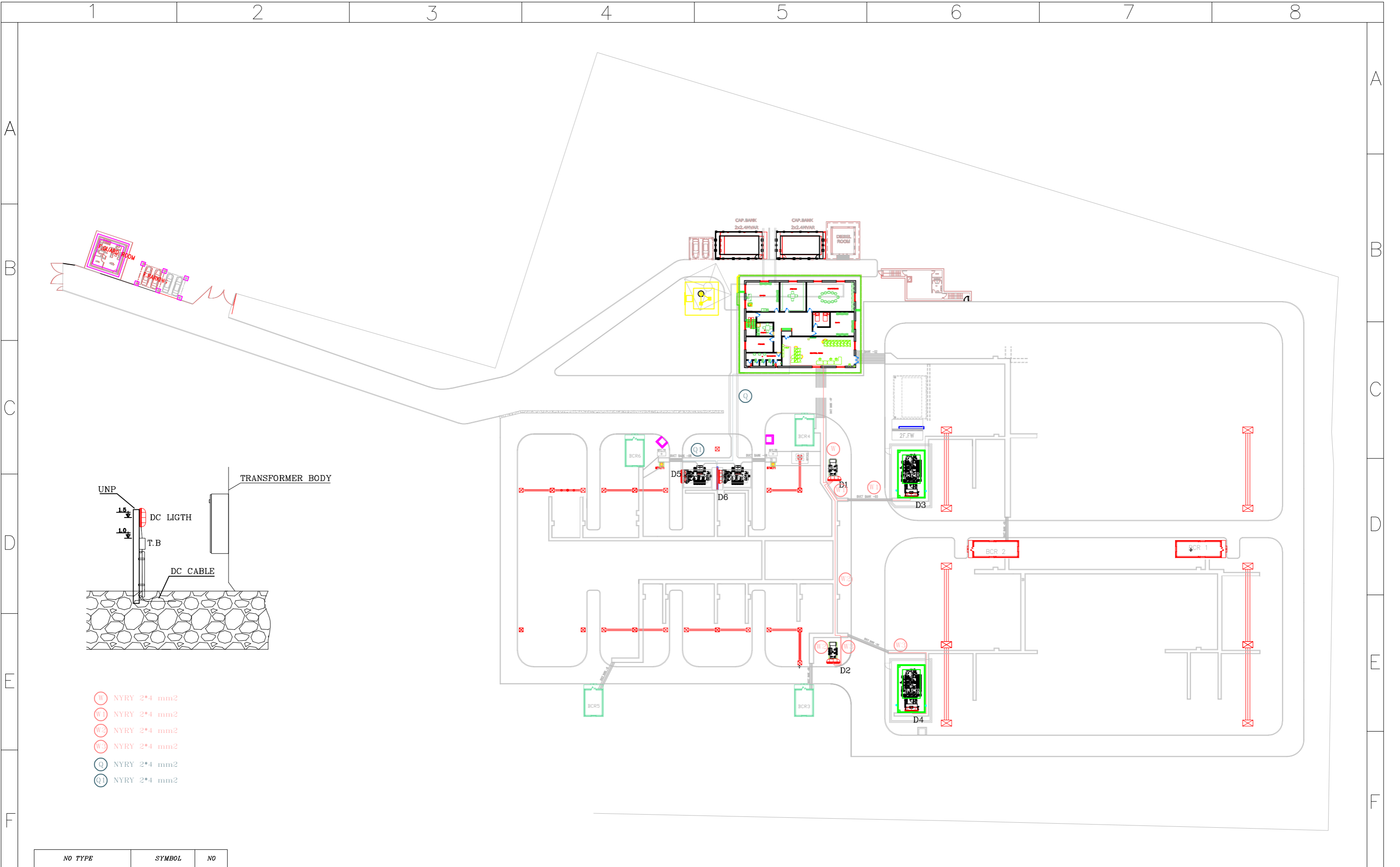


AYATOLLAH BORUJERDI
230/63/20 kV SUBSTATION
DETAILS OF OUTDOOR LIGHTING SYSTEM

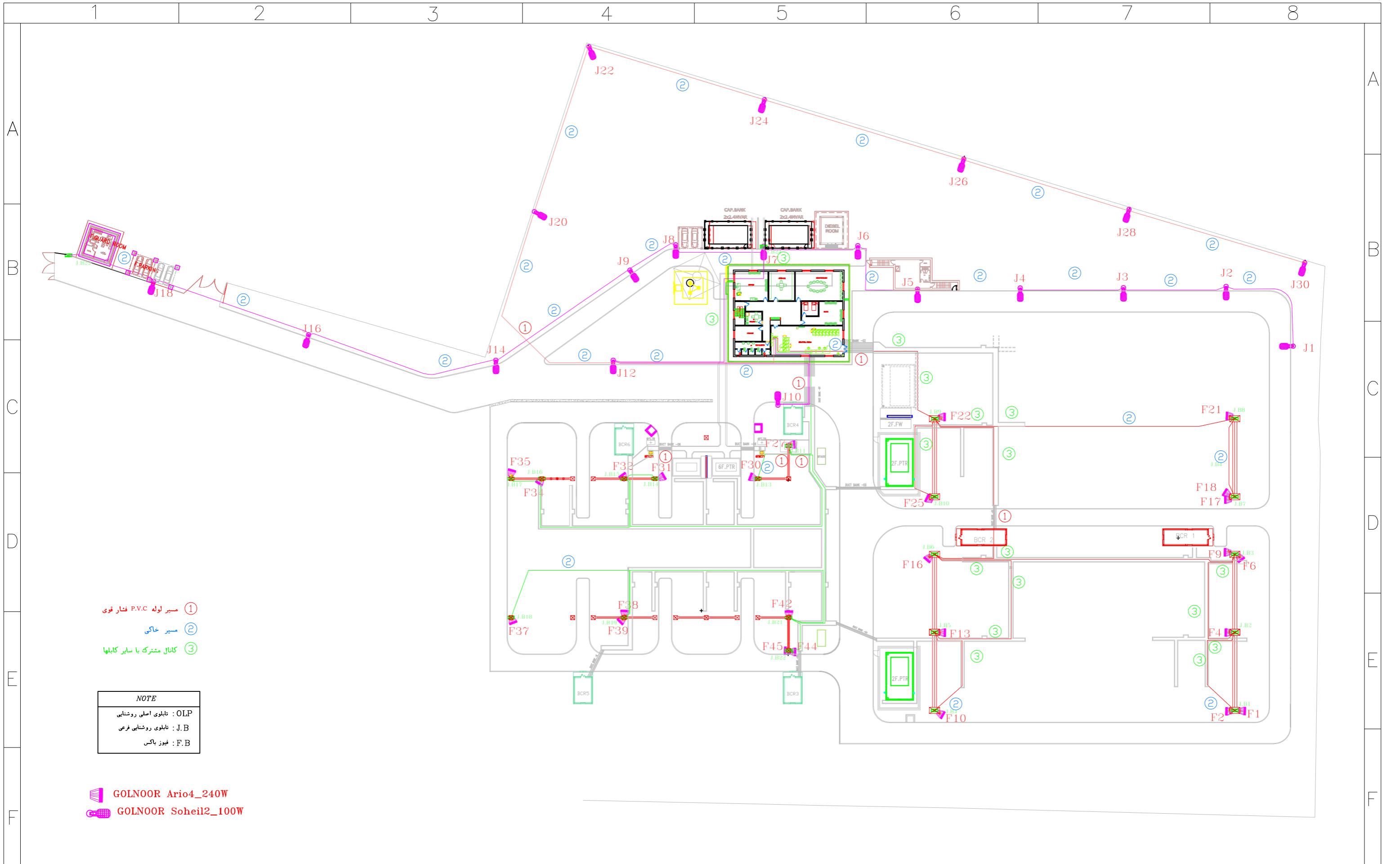
D	M.NOORI.A		1402/11	ACC TO BD-MIR_00329
C	M.NOORI.A		1402/10	ACC TO BD-MIR_00272
B	M.NOORI.A		1402/09	ACC TO BD-MIR_00228
A	M.NOORI.A		1402/07	ACC TO BD-MIR_00200
Z	M.NOORI.A		1402/07	ORIGINAL ISSUE
REV.	DESIGNED	DRAWN	DATE	DESCRIPTION
	DATE:	NAME:	SCALE:	STANDARD:
DRAWN	1402/11	Z.AFIATPOUR	SUBJECT: AYATOLLAH BORUJERDI 230/63/20 KV SUBSTATION DETAILS OF OUTDOOR LIGHTING SYSTEM	
DESIGNED	1402/11	M.NOORI.A		
CHECKED	1402/11	J.KARIMI		
APPROVED	1402/11	M.DANESHPOU		
CONTRACT NO:			DRAWING NO: MT-SUB-BREC-6159-BD-01-SV-002-K	
CONSULTANT:		CONTRACTOR:		EMPLOYER:
 موننکو ایران Monenco Iran		 AZARSKSH ENERGY MOHAM SHARGH		 BAKHтар REGIONAL ELECTRIC.CO
CONSU. REF:		CONT. REF:		EMPLOYER REF:





1		2		3		4		5		6		7		8		
A	<div>DETAILS OF OUTDOOR LIGHTING SYSTEM</div>															A
B																B
C																C
D																D
E																E
F																F

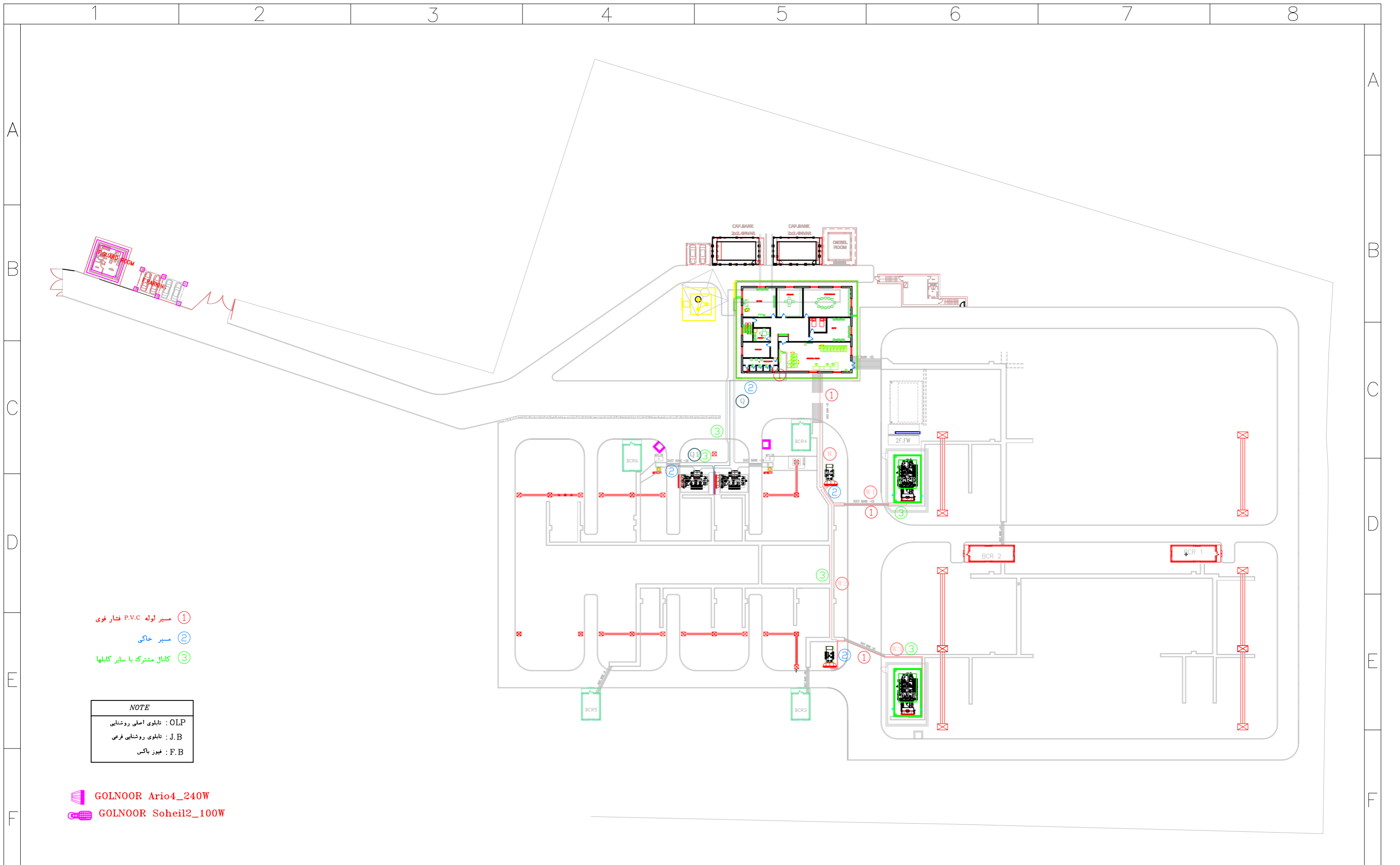
			Consultant:	Employer:	Contractor:		Name	Date	Title:	Project:	Scale:
D	ACC TO BD-MIR_00329	1402.11		BAKHTAR REGIONAL ELECTRIC.CO		DRAWN	Z.AFIATPOUR	1402.11	INDEX	AYATOLLAH BORUJERDI S/S 230/63 KV	Size:
C	ACC TO BD-MIR_00272	1402.10				DESIGNED	M.NOORI	1402.11			A3
B	ACC TO BD-MIR_00228	1402.09				CHECKED	J.KARIMI	1402.11			
A	ACC TO BD-MIR_00200	1402.07				APPROVED	M.DANESHPOU	1402.11			
Z	FIRST ISSUE	1402.07									
REV	Description.	DATE							DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K	Cantract No:	Next Sheet:







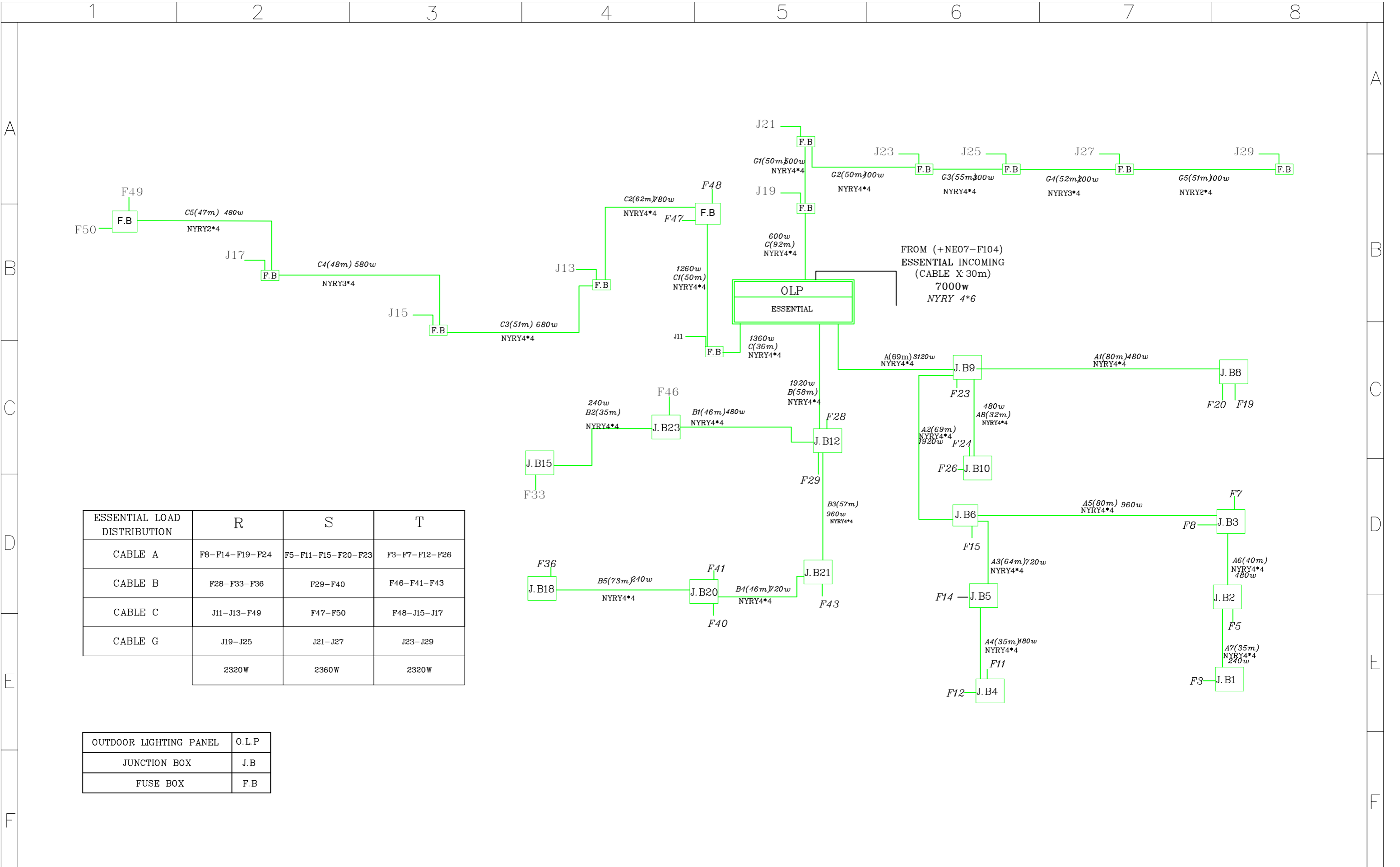
NO TYPE				SYMBOL	NO	Consultant:	Employer:	Contractor:		Name	Date	Title:	Project:	Scale:	
D	DC LAMP for trans				6									AYATOLLAH BORUJERDI S/S	
C	ACC TO BD-MIR_00272				1402.10									230/63 KV	
B	ACC TO BD-MIR_00228				1402.09									Project No:	
A	ACC TO BD-MIR_00200				1402.07									Cantract No:	
Z	FIRST ISSUE				1402.07				DRAWN	Z. AFIATPOUR	1402.11	DC LIGHTING CABLE	MT-SUB-BREC-6159-BD-01-SV-002-K	Sheet: 05	
REV	Description.				DATE									Next Sheet: 06	



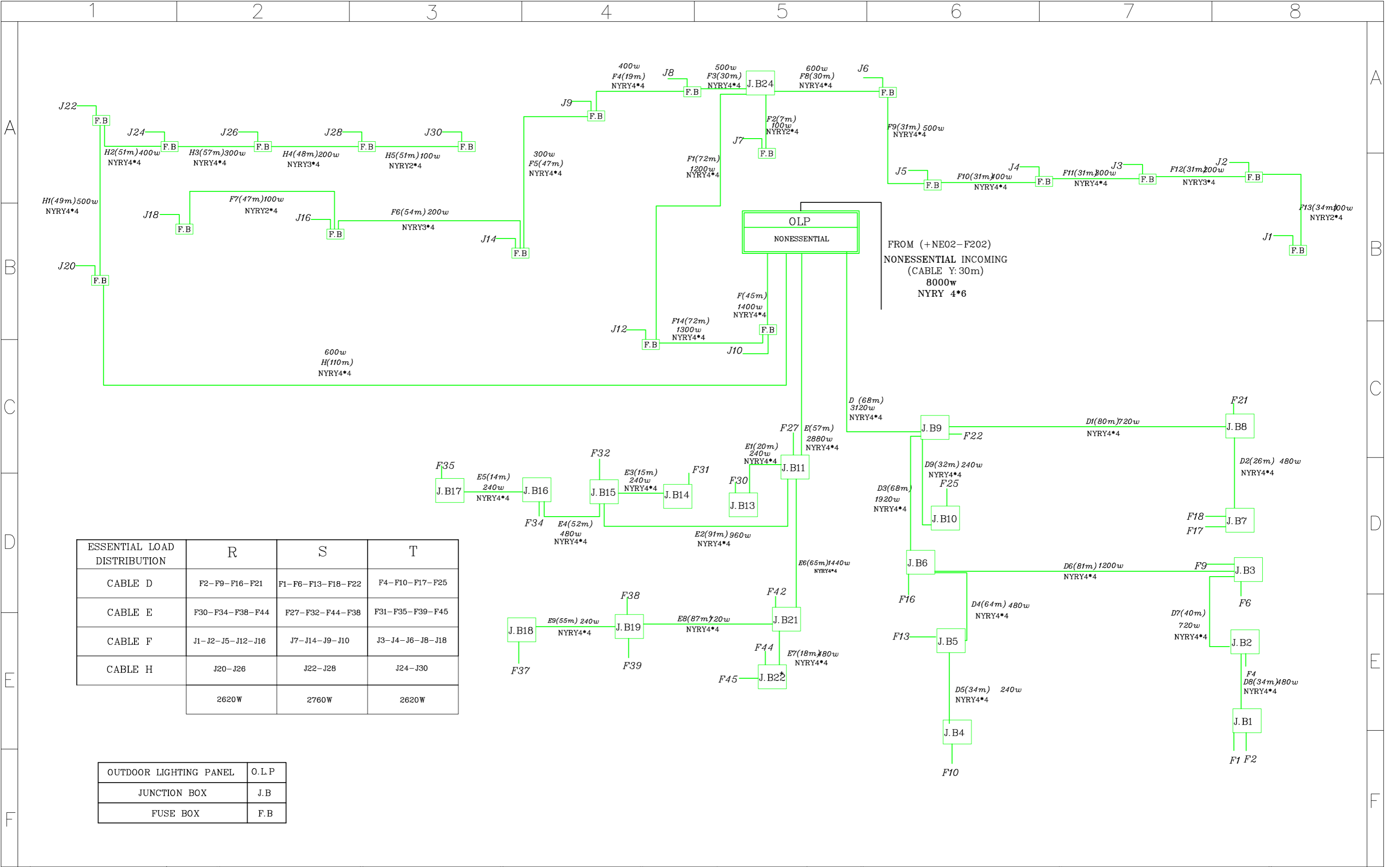
D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div> BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div> AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	Title: NONESSENTIAL LIGHTING CABLE(PIPING)	Project: AYATOLLAH BORUJERDI S/S 230/63 KV	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			Sheet: 07
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Project No:	Next Sheet: 08
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11		Cantract No:	
REV	Description.	DATE				DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K					







D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div> BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div> AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	Title: DC LIGHTING CABLE (PIPING)	Project: AYATOLLAH BORUJERDI S/S 230/63 KV	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			Sheet: 08
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Project No:	Next Sheet: 09
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11		Cantract No:	
REV	Description.	DATE				DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K					



D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div><div>مونenco ایران</div><div>Monenco Iran</div></div>	<div>Employer:</div> <div><div>BAKHTAR REGIONAL ELECTRIC.CO</div></div>	<div>Contractor:</div> <div><div>AZARSKSH ENERGY MOHAM SHARGH</div></div>	<div><div><div></div></div></div>	Name	Date	Title: <div>LOAD DISTRIBUTION (ESSENTIAL)</div>	Project: <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				<div><div><div></div></div></div>	Z. AFIATPOUR	1402.11			Size: <div>A3</div>
B	ACC TO BD-MIR_00228	1402.09				<div><div><div></div></div></div>	M. NOORI	1402.11			Sheet: <div>09</div>
A	ACC TO BD-MIR_00200	1402.07				<div><div><div></div></div></div>	J. KARIMI	1402.11		Project No:	Next Sheet: <div>10</div>
Z	FIRST ISSUE	1402.07				<div><div><div></div></div></div>	M. DANESHPOU	1402.11		Cantract No:	
REV	Description.	DATE					DWG NO:	MT-SUB-BREC-6159-BD-01-SV-002-K			



D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div>	<div>Contractor:</div> <div></div>		Name	Date	Title: LOAD DISTRIBUTION (NONESSENTIAL)	Project: AYATOLLAH BORUJERDI S/S 230/63 KV	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			Sheet: 10
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Project No:	Next Sheet: 11
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11		Cantract No:	
REV	Description.	DATE							DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K		

Next Sheet: **12**

1	2	3	4	5	6	7	8	
A								A
B								B
C								C
D								D
E								E
F								F

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
X	7000	0.85	0.03	11.89	0.90	4*6	44	34.76	32

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
Y	8000	0.85	0.03	13.58	1.03	4*6	44	34.76	32

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
X	7000	0.03	11.89	1.93	0.48	4*6	NYRY

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
Y	8000	0.03	13.58	2.21	0.55	4*6	NYRY

LINE	Δu%	RESULT<3
X	0.48	OK

LINE	Δu%	RESULT<3
Y	0.55	OK

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
X	7000	0.85	0.03	11.89	0.90	4*6	44	34.76	32





NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
Y	8000	0.85	0.03	13.58	1.03	4*6	44	34.76	32

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
X	7000	0.03	11.89	1.93	0.48	4*6	NYRY

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
Y	8000	0.03	13.58	2.21	0.55	4*6	NYRY

LINE	Δu%	RESULT<3
X	0.48	OK

LINE	Δu%	RESULT<3
Y	0.55	OK

D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div> <div>BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	<div>Title:</div> <div>AC LIGHTING CABLE CALCULATION SECTION X&Y</div>	<div>Project:</div> <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z.AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M.NOORI	1402.11			Project No:
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J.KARIMI	1402.11		Cantract No:	
Z	FIRST ISSUE	1402.07				APPROVED	M.DANESHPOU	1402.11		DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K	Next Sheet: 13
REV	Description.	DATE									

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D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div> <div>BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	<div>Title:</div> <div>AC LIGHTING CABLE CALCULATION SECTION A&B</div>	<div>Project:</div> <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z.AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M.NOORI	1402.11		<div>Project No:</div>	Sheet: 13
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J.KARIMI	1402.11			<div>Cantract No:</div>
Z	FIRST ISSUE	1402.07				APPROVED	M.DANESHPOU	1402.11		<div>DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K</div>	
REV	Description.	DATE									

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NAME CABLE	P(w)	COS ϕ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
C	1360	0.85	0.036	2.31	0.21	4*4	34	26.86	16

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
C	1360	0.036	2.31	0.68	0.17	4*4	NYRY
C1	1260	0.05	2.14	0.87	0.22	4*4	NYRY
C2	780	0.062	1.32	0.67	0.17	4*4	NYRY
C3	680	0.051	1.15	0.48	0.12	4*4	NYRY
C4	580	0.048	0.98	0.38	0.10	3*4	NYRY
C5	480	0.047	0.82	0.36	0.16	2*4	NYRY

ROUTE	Δu%	RESULT<3
C+C1+C2+C3+C4+C5	0.92	OK

NAME CABLE	P(w)	COS ϕ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
G	600	0.85	0.092	1.02	0.24	4*4	34	26.86	16

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
G	600	0.092	1.02	0.76	0.19	4*4	NYRY
G1	500	0.05	0.85	0.34	0.09	4*4	NYRY
G2	400	0.05	0.68	0.28	0.07	4*4	NYRY
G3	300	0.055	0.51	0.23	0.06	4*4	NYRY
G4	200	0.052	0.34	0.14	0.04	3*4	NYRY
G5	100	0.051	0.17	0.08	0.04	2*4	NYRY

ROUTE	Δu%	RESULT<3
G+G1+G2+G3+G4+G5	0.47	OK

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _m (A)	I _c (A)	MCB
C	1360	0.85	0.036	2.31	0.21	4*4	34	26.86	16





NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _m (A)	I _c (A)	MCB
G	600	0.85	0.092	1.02	0.24	4*4	34	26.86	16

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
C	1360	0.036	2.31	0.68	0.17	4*4	NYRY
C1	1260	0.05	2.14	0.87	0.22	4*4	NYRY
C2	780	0.062	1.32	0.67	0.17	4*4	NYRY
C3	680	0.051	1.15	0.48	0.12	4*4	NYRY
C4	580	0.048	0.98	0.38	0.10	3*4	NYRY
C5	480	0.047	0.82	0.36	0.16	2*4	NYRY

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
G	600	0.092	1.02	0.76	0.19	4*4	NYRY
G1	500	0.05	0.85	0.34	0.09	4*4	NYRY
G2	400	0.05	0.68	0.28	0.07	4*4	NYRY
G3	300	0.055	0.51	0.23	0.06	4*4	NYRY
G4	200	0.052	0.34	0.14	0.04	3*4	NYRY
G5	100	0.051	0.17	0.08	0.04	2*4	NYRY

ROUTE	Δu%	RESULT<3
C+C1+C2+C3+C4+C5	0.92	OK

ROUTE	Δu%	RESULT<3
G+G1+G2+G3+G4+G5	0.47	OK

D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div> <div>BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	<div>Title:</div> <div>AC LIGHTING CABLE CALCULATION SECTION C&G</div>	<div>Project:</div> <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z.AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M.NOORI	1402.11			Project No:
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J.KARIMI	1402.11		Sheet: 14	
Z	FIRST ISSUE	1402.07				APPROVED	M.DANESHPOU	1402.11		DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K	Cantract No:
REV	Description.	DATE									

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NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
D	3120	0.85	0.068	5.30	0.91	4*4	34	26.86	25

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
D	3120	0.068	5.30	2.93	0.73	4*4	NYRY
D1	720	0.08	1.22	0.79	0.20	4*4	NYRY
D2	480	0.026	0.82	0.17	0.04	4*4	NYRY
D3	1920	0.068	3.26	1.80	0.45	4*4	NYRY
D4	480	0.064	0.82	0.42	0.11	4*4	NYRY
D5	240	0.034	0.41	0.11	0.03	4*4	NYRY
D6	1200	0.081	2.04	1.34	0.34	4*4	NYRY
D7	720	0.04	1.22	0.40	0.10	4*4	NYRY
D8	480	0.034	0.82	0.23	0.06	4*4	NYRY
D9	240	0.032	0.41	0.11	0.03	4*4	NYRY

ROUTE	Δu%	RESULT<3
D+D1+D2	0.97	OK
D+D9	0.76	OK
D+D3+D4+D5	1.32	OK
D+D3+D6+D7+D8	1.67	OK
D+D9	0.23	OK

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
E	2880	0.85	0.057	4.89	0.71	4*4	34	26.86	25

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
E	2880	0.057	4.89	2.26	0.57	4*4	NYRY
E1	240	0.02	0.41	0.07	0.02	4*4	NYRY
E2	960	0.091	1.63	1.20	0.30	4*4	NYRY
E3	240	0.015	0.41	0.05	0.01	4*4	NYRY
E4	480	0.052	0.82	0.34	0.09	4*4	NYRY
E5	240	0.014	0.41	0.05	0.01	4*4	NYRY
E6	1440	0.065	2.45	1.29	0.32	4*4	NYRY
E7	480	0.018	0.82	0.12	0.03	4*4	NYRY
E8	720	0.087	1.22	0.86	0.22	4*4	NYRY
E9	240	0.055	0.41	0.18	0.05	4*4	NYRY

ROUTE	Δu%	RESULT<3
E+E1	0.58	OK
E+E2+E3	0.88	OK
E+E2+E4+E5	0.96	OK
E+E6+E7	0.92	OK
E+E6+E8+E9	1.15	OK

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
D	3120	0.85	0.068	5.30	0.91	4*4	34	26.86	25





NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
D	3120	0.068	5.30	2.93	0.73	4*4	NYRY
D1	720	0.08	1.22	0.79	0.20	4*4	NYRY
D2	480	0.026	0.82	0.17	0.04	4*4	NYRY
D3	1920	0.068	3.26	1.80	0.45	4*4	NYRY
D4	480	0.064	0.82	0.42	0.11	4*4	NYRY
D5	240	0.034	0.41	0.11	0.03	4*4	NYRY
D6	1200	0.081	2.04	1.34	0.34	4*4	NYRY
D7	720	0.04	1.22	0.40	0.10	4*4	NYRY
D8	480	0.034	0.82	0.23	0.06	4*4	NYRY
D9	240	0.032	0.41	0.11	0.03	4*4	NYRY

ROUTE	Δu%	RESULT<3
D+D1+D2	0.97	OK
D+D9	0.76	OK
D+D3+D4+D5	1.32	OK
D+D3+D6+D7+D8	1.67	OK
D+D9	0.23	OK

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
E	2880	0.85	0.057	4.89	0.71	4*4	34	26.86	25

NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
E	2880	0.057	4.89	2.26	0.57	4*4	NYRY
E1	240	0.02	0.41	0.07	0.02	4*4	NYRY
E2	960	0.091	1.63	1.20	0.30	4*4	NYRY
E3	240	0.015	0.41	0.05	0.01	4*4	NYRY
E4	480	0.052	0.82	0.34	0.09	4*4	NYRY
E5	240	0.014	0.41	0.05	0.01	4*4	NYRY
E6	1440	0.065	2.45	1.29	0.32	4*4	NYRY
E7	480	0.018	0.82	0.12	0.03	4*4	NYRY
E8	720	0.087	1.22	0.86	0.22	4*4	NYRY
E9	240	0.055	0.41	0.18	0.05	4*4	NYRY

ROUTE	Δu%	RESULT<3
E+E1	0.58	OK
E+E2+E3	0.88	OK
E+E2+E4+E5	0.96	OK
E+E6+E7	0.92	OK
E+E6+E8+E9	1.15	OK

D	ACC TO BD-MIR_00329	1402.11	<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div> <div>BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	<div>Title:</div> <div>AC LIGHTING CABLE CALCULATION SECTION D&E</div>	<div>Project:</div> <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:		
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3		
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			Sheet: 15		
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Next Sheet: 16			
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11	DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K		Cantract No:		
REV	Description.	DATE											

1

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A

B

C

D

E

F

NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
F	1400	0.85	0.045	2.38	0.27	4*4	34	26.86	16





NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
F	1400	0.045	2.38	0.87	0.22	4*4	NYRY
F1	1200	0.072	2.04	1.19	0.30	4*4	NYRY
F2	100	0.007	0.17	0.01	0.00	2*4	NYRY
F3	500	0.03	0.85	0.21	0.05	4*4	NYRY
F4	400	0.019	0.68	0.10	0.03	4*4	NYRY
F5	300	0.047	0.51	0.19	0.05	4*4	NYRY
F6	200	0.054	0.34	0.15	0.04	3*4	NYRY
F7	100	0.047	0.17	0.06	0.02	2*4	NYRY
F8	600	0.03	1.02	0.25	0.06	4*4	NYRY
F9	500	0.031	0.85	0.21	0.05	4*4	NYRY
F10	400	0.031	0.68	0.17	0.04	4*4	NYRY
F11	300	0.031	0.51	0.13	0.03	4*4	NYRY
F12	200	0.031	0.34	0.09	0.02	3*4	NYRY
F13	100	0.034	0.17	0.05	0.02	2*4	NYRY
F14	100	0.072	0.17	0.11	0.05	4*4	NYRY

ROUTE	Δu%	RESULT<3
F+F14+F1+F2	0.57	OK
F+F14	0.56	OK
F+F14+F1+F8+F9+F10+F11+F12+F13	0.80	OK
F+F14+F1+F3+F4+F5+F6+F7	0.74	OK

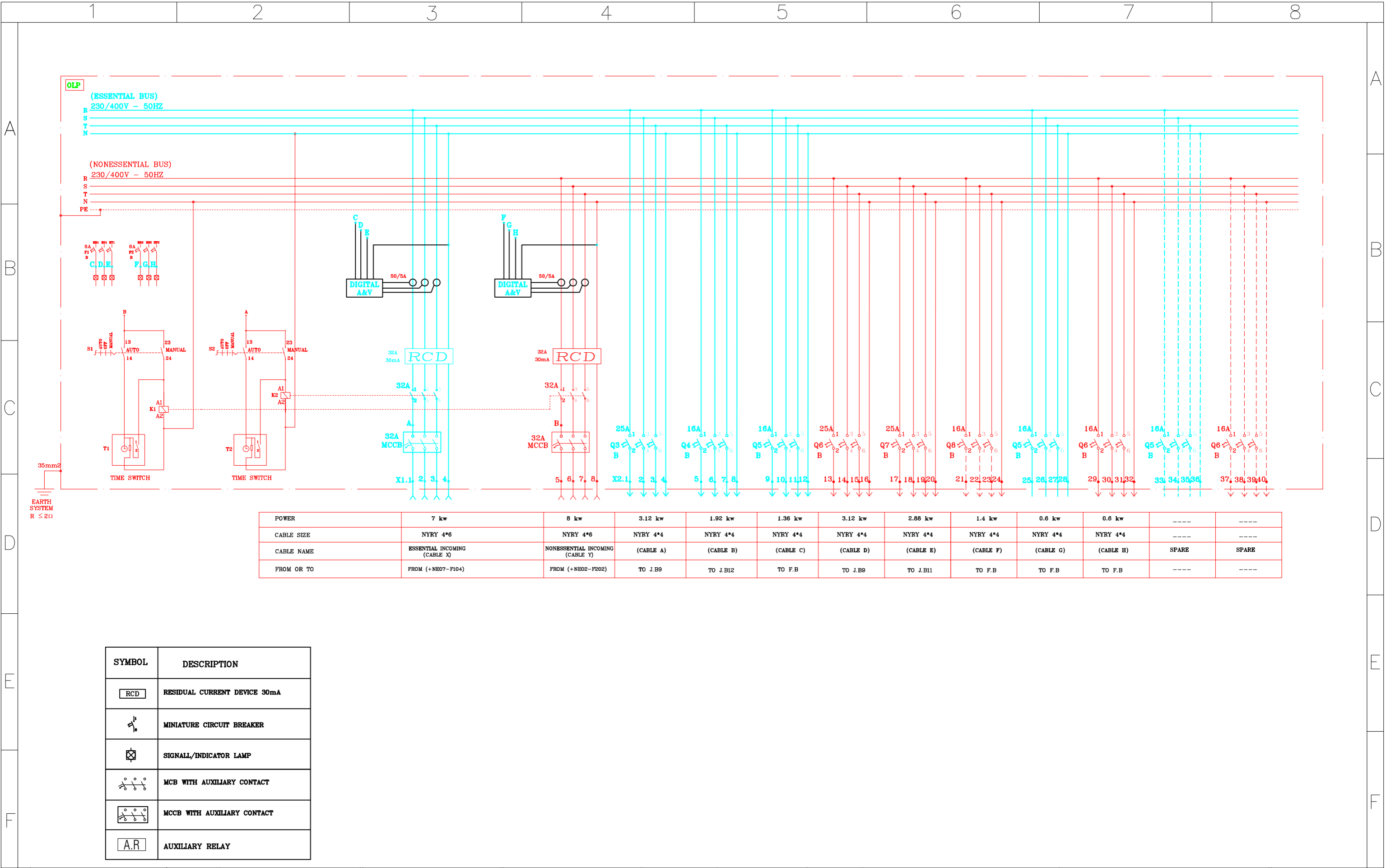
NAME CABLE	P(w)	COS φ	L(km)	I(A)	a(mm²)	CABLE	I _M (A)	I _C (A)	MCB
H	600	0.85	0.11	1.02	0.28	4*4	34	26.86	16

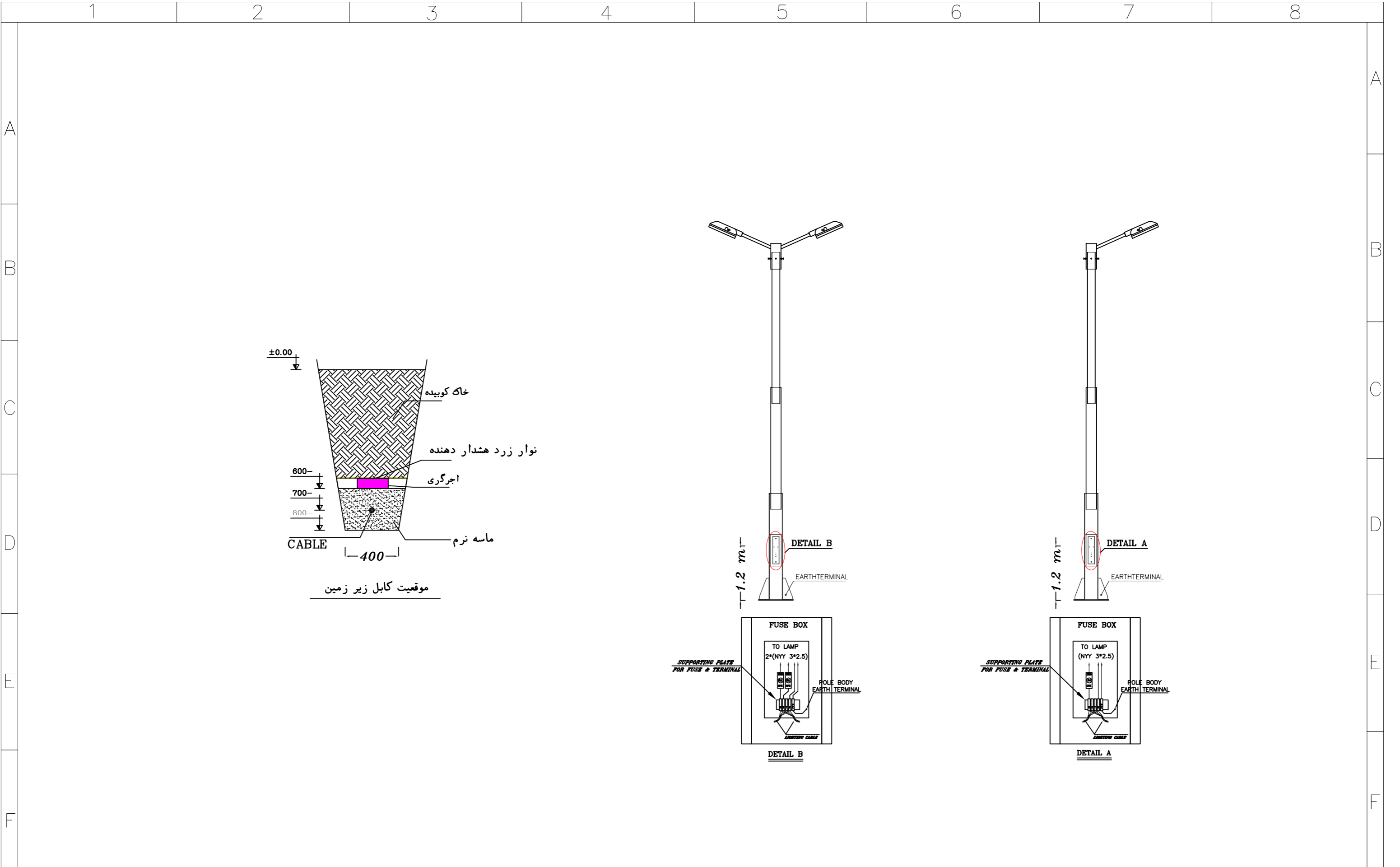
NAME CABLE	P(w)	L(km)	I(A)	ΔU	Δu%	CABLE	TYPE CABLE
H	600	0.11	1.02	0.91	0.23	4*4	NYRY
H1	500	0.049	0.85	0.34	0.08	4*4	NYRY
H2	400	0.051	0.68	0.28	0.07	4*4	NYRY
H3	300	0.057	0.51	0.24	0.06	4*4	NYRY
H4	200	0.048	0.34	0.13	0.03	3*4	NYRY
H5	100	0.051	0.17	0.08	0.04	2*4	NYRY





ROUTE	Δu%	RESULT<3
H+H1+H2+H3+H4+H5	0.51	OK

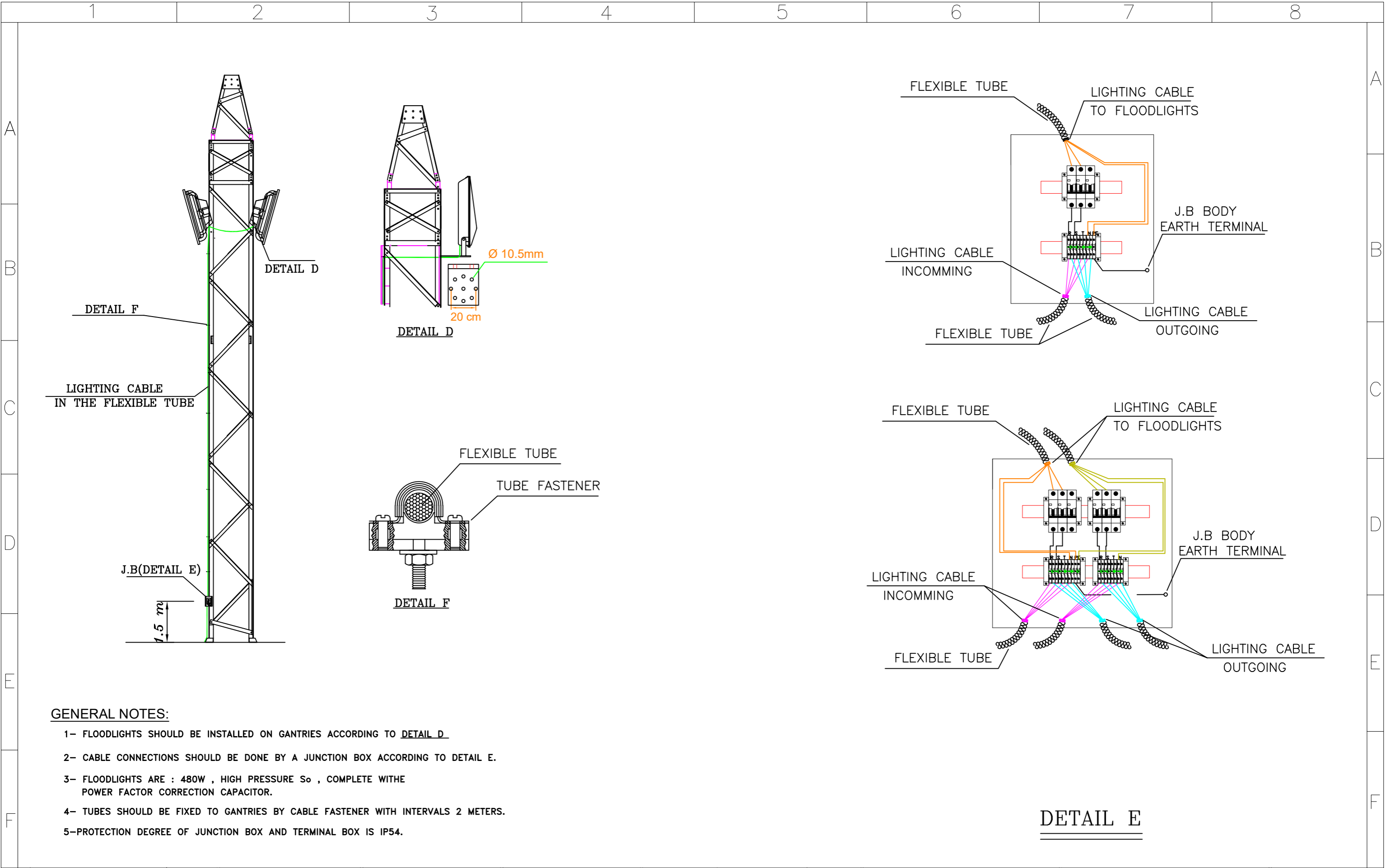
			<div>Consultant:</div> <div><div>موندکو ایران</div><div>Monenco Iran</div><div></div></div>	<div>Employer:</div> <div><div>BAKHTAR REGIONAL ELECTRIC.CO</div><div></div></div>	<div>Contractor:</div> <div><div>AZARSKSH ENERGY MOHAM SHARGH</div><div></div></div>	<div></div>	Name	Date	<div>Title:</div> <div>AC LIGHTING CABLE CALCULATION SECTION F&H</div>	<div>Project:</div> <div>AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Project No:	Sheet: 16
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11		Cantract No:	Next Sheet: 17
REV	Description.	DATE									

F









			<div>Consultant:</div> <div></div>	<div>Employer:</div> <div></div> <div>BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:</div> <div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>	<div></div>	Name	Date	Title: UNDER GROUND LIGHTING CABLE INSTALLATION DETAIL AND STREET LIGHT & FLOOD LIGHT INSTALLATION DETAIL	Project: AYATOLLAH BORUJERDI S/S 230/63 KV	Scale:
D	ACC TO BD-MIR_00329	1402.11				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
C	ACC TO BD-MIR_00272	1402.10				DESIGNED	M. NOORI	1402.11		Project No:	Sheet: 20
B	ACC TO BD-MIR_00228	1402.09				CHECKED	J. KARIMI	1402.11			Cantract No:
A	ACC TO BD-MIR_00200	1402.07				APPROVED	M. DANESHPOU	1402.11		DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K	
Z	FIRST ISSUE	1402.07									
REV	Description.	DATE									



GENERAL NOTES:

- 1- FLOODLIGHTS SHOULD BE INSTALLED ON GANTRIES ACCORDING TO DETAIL D.
- 2- CABLE CONNECTIONS SHOULD BE DONE BY A JUNCTION BOX ACCORDING TO DETAIL E.
- 3- FLOODLIGHTS ARE : 480W , HIGH PRESSURE So , COMPLETE WITHE POWER FACTOR CORRECTION CAPACITOR.
- 4- TUBES SHOULD BE FIXED TO GANTRIES BY CABLE FASTENER WITH INTERVALS 2 METERS.
- 5-PROTECTION DEGREE OF JUNCTION BOX AND TERMINAL BOX IS IP54.

DETAIL E

D	ACC TO BD-MIR_00329	1402.11	<div>Consultant: </div>	<div>Employer:  BAKHTAR REGIONAL ELECTRIC.CO</div>	<div>Contractor:  AZARSKSH ENERGY MOHAM SHARGH</div>		Name	Date	<div>Title: FLOOD LIGHT INSTALLATION DETAIL ON GANTRY JUNCTION BOX'S INTERNAL VIEW</div>	<div>Project: AYATOLLAH BORUJERDI S/S 230/63 KV</div>	Scale:
C	ACC TO BD-MIR_00272	1402.10				DRAWN	Z. AFIATPOUR	1402.11			Size: A3
B	ACC TO BD-MIR_00228	1402.09				DESIGNED	M. NOORI	1402.11			Sheet: 21
A	ACC TO BD-MIR_00200	1402.07				CHECKED	J. KARIMI	1402.11		Project No:	Next Sheet: --
Z	FIRST ISSUE	1402.07				APPROVED	M. DANESHPOU	1402.11		DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K	Cantract No:
REV	Description.	DATE				DWG NO: MT-SUB-BREC-6159-BD-01-SV-002-K					