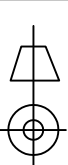


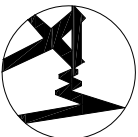


AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION





General Single Line Diagram

C		S.SARABI	1401/11	ACC TO MEETING 1401/11/18
B		S.SARABI	1401/09	ACC TO LETTER NO.1401/169/1349
A		S.SARABI	1401/09	ACC TO LETTER NO. 22/789045
Z		S.SARABI	1401/08	FIRST ISSUE
REV.	VERIFIED	DRAWN	DATE	DESCRIPTION
	DATE:	NAME:	SCALE: – STANDARD:	
DRAWN	1401/08	S.SARABI	SUBJECT: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION GENERAL SINGLE LINE DIAGRAM	
DESIGNED	1401/08	S.SARABI		
CHECKED	1401/08	A.DEHGHAN		
APPROVED	1401/08	A.DEHGHAN		

CONTRACT NO:	DRAWING NO: MT-SUB-BREC-6159-DD-02-SH-001
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CONSULTANT:	CONTRACTOR:	CLIENT:
<div><div>MONENCO IRAN</div><div>CONSULTING ENGINEERS</div></div> <div></div>	<div>AZARSKSH ENERGY</div> <div>MOHAM SHARGH</div> <div></div>	<div>WEST REGIONAL</div> <div>ELECTRIC COMPANY</div> <div></div>
CONSU. REF:	CONT. REF:	CLIEEN REF:

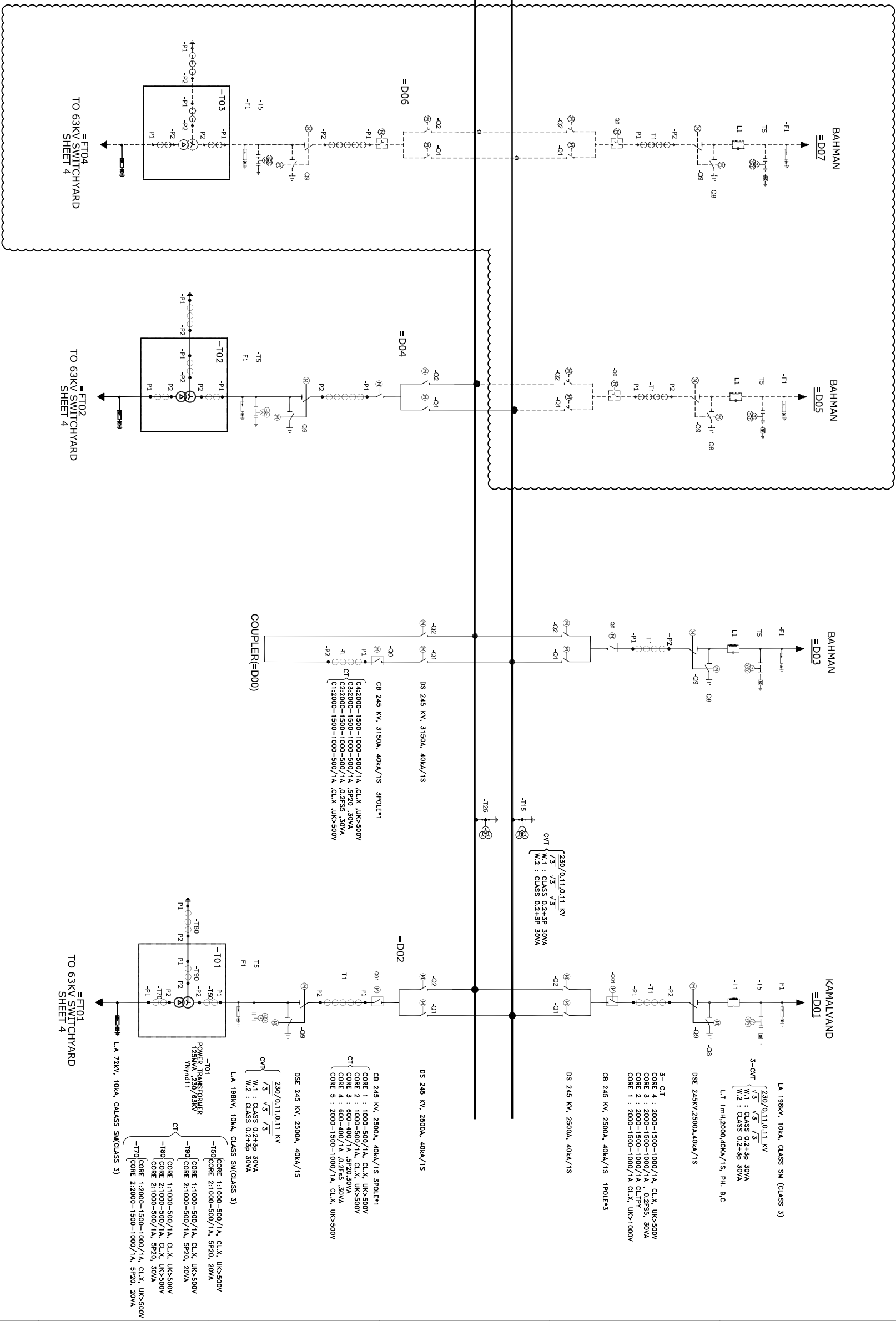
		1	2	3	4	5	6	7	8	
A										
B	Page	Description					Revision			
							Z	A	B	C
	0	COVER	X	X	X	X				
	1	LIST OF CONTACT	X	X	X	X				
	2	LIST OF SYMBOLES	X	X	X	X				
	3	GENERAL SINGLE LINE DIAGRAM 230KV	X	X	X	X				
	4	GENERAL SINGLE LINE DIAGRAM 63KV	X	X	X	X				
5	GENERAL SINGLE LINE DIAGRAM 20KV	X	X	X	X					
6	GENERAL SINGLE LINE DIAGRAM CAPACITOR BANK	X	X	X	X					
C										
D										
E										
F										

C	ACC TO MEETING 1401/11/18	01/11	 MONENCO IRAN CONSULTING ENGINEERS	Client:	 AZARSKSH ENERGY MOHAM SHARGH	 WEST REGIONAL ELECTRIC COMPANY		Name	Date	Title:	Project:	AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION	Scale: --
B	ACC TO LETTER NO. 1401/169/1349	01/09											
A	ACC TO LETTER NO. 22/789045	01/09											
Z	FIRST ISSUE	01/08	Project No:	Sheet: 1									
REV.	Description.	DATE			Contract No:	Next Sheet: 2							

1	2	3	4	5	6	7	8
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[illegible]





C	ACC TO MEETING 1401/11/18	01/11	<div>Consultant:</div> <div><div>MONENCO IRAN CONSULTING ENGINEERS</div></div>	<div>Client:</div> <div><div>AZARSKSH ENERGY MOHAM SHARGH</div></div>	<div>Contractor:</div> <div><div>WEST REGIONAL ELECTRIC COMPANY</div></div>	<div>Project:</div> <div>AYATOLLAH BORJUERDI 230/63/20KV SUBSTATION</div>	<div>Scale: --</div>					
B	ACC TO LETTER NO. 1401/169/1349	01/09						<div>Title:</div> <div>LIST OF SYMBOLES</div>	<div>Project No:</div>	<div>Sheet:</div>		
A	ACC TO LETTER NO. 221/789045	01/09									<div>Contract No:</div>	<div>Next Sheet:</div>
Z	FIRST ISSUE	01/08										
REV.	Description.	DATE						<div>DWG NO:MT-SUB-BREC-6159-DD-02-SH-001</div>				

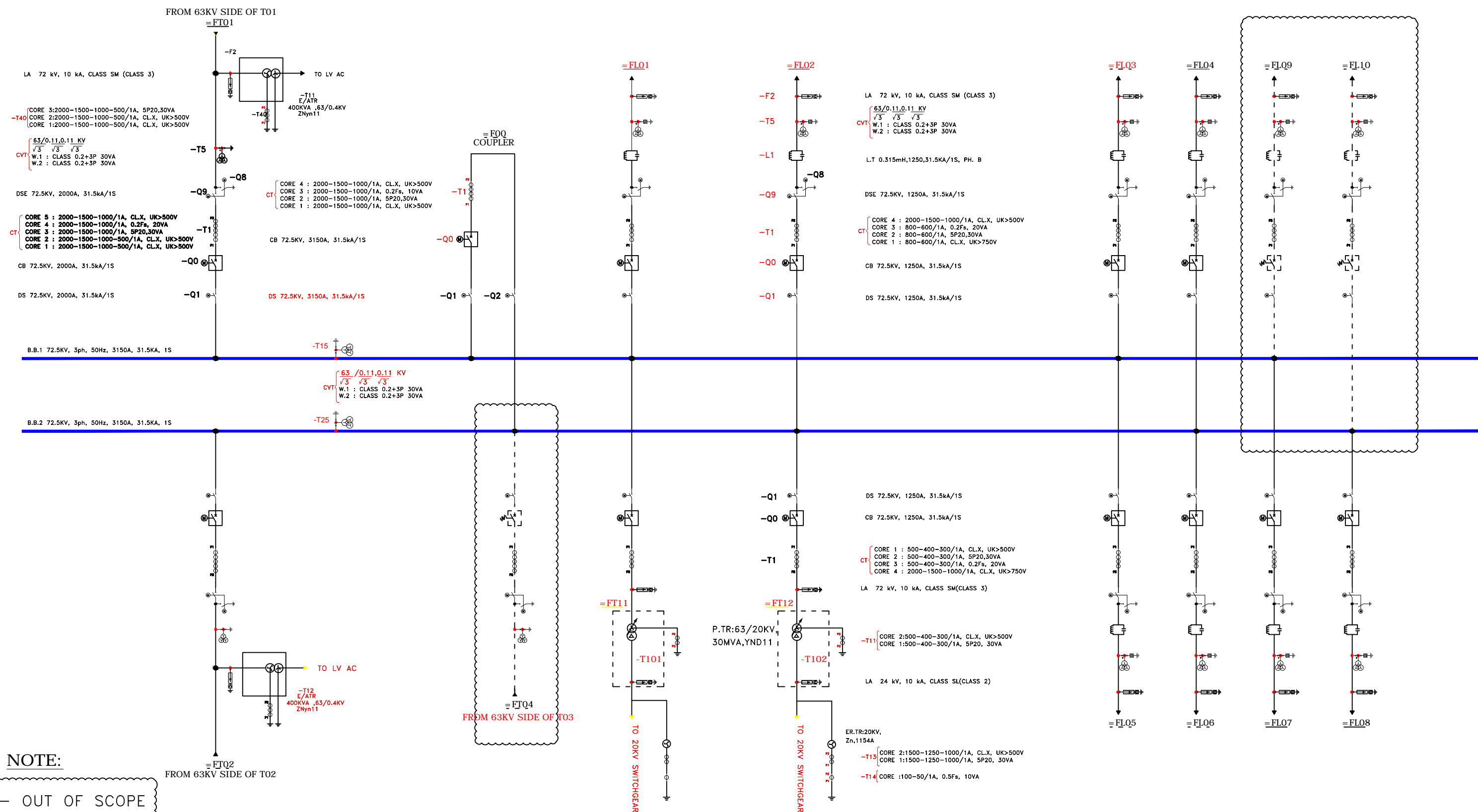


NOTE:

OUT OF SCOPE

- THE CHARACTERISTICS OF CT'S & VT'S & CVT'S SHALL BE FINAL AFTER CALCULATION.





C	ACC TO MEETING 1401/11/18	01/11		Consultant:		Client:		Contractor:		Name	Date	Title: GENERAL SINGLE LINE DIAGRAM 230 KV	Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION	Scale: --	
B	ACC TO LETTER NO. 1401/169/1349	01/09							DRAWN	S.SARABI	01/08				Size: --
A	ACC TO LETTER NO. 22/789045	01/09							DESIGNED	S.SARABI	01/08				
Z	FIRST ISSUE	01/08							CHECKED	A.DEHGHAN	01/08				
REV.	Description.	DATE	MOMENCO IRAN CONSULTING ENGINEERS			AZARSKSH ENERGY MOHAM SHARGH	WEST REGIONAL ELECTRIC COMPANY	APPROVED	A.DEHGHAN	01/08	DWG NO. MT-SUB-BREC-6159-DD-02-SH-001				
												Next Sheet: 4			

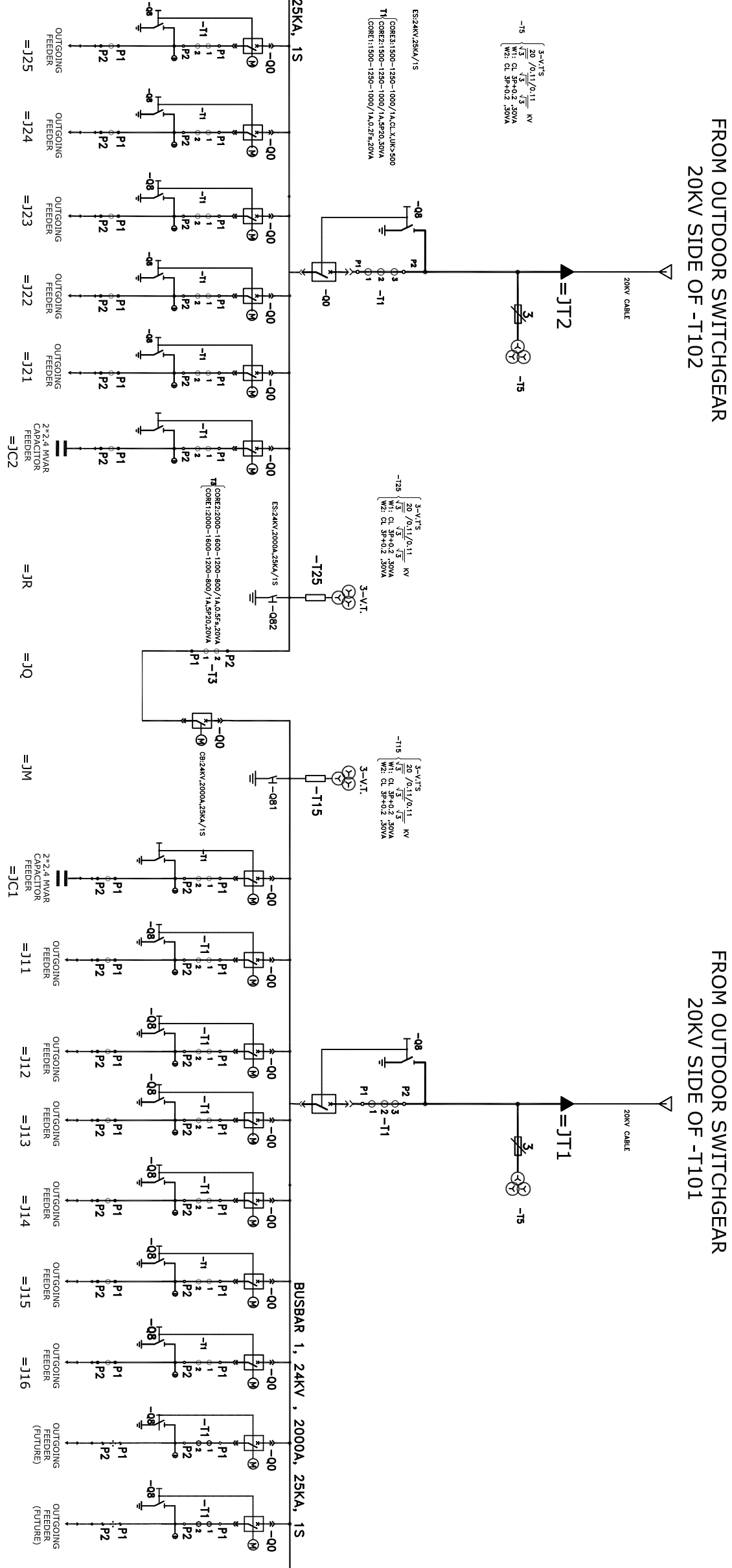


NOTE:

— OUT OF SCOPE





– THE CHARACTERISTICS OF CT'S & VT'S & CVT'S SHALL BE FINAL AFTER CALCULATION.

C	ACC TO MEETING 1401/11/18	01/11	<div></div> <div>MONENCO IRAN CONSULTING ENGINEERS</div>	<div></div> <div>AZARSKSH ENERGY MOHAM SHARGH</div>	<div></div> <div>WEST REGIONAL ELECTRIC COMPANY</div>		Name	Date	Title: GENERAL SINGLE LINE DIAGRAM 63 KV	Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION	Scale: --	
B	ACC TO LETTER NO. 1401/169/1349	01/09				DRAWN	S.SARABI	01/08			Size: --	
A	ACC TO LETTER NO. 22/789045	01/09				DESIGNED	S.SARABI	01/08				
Z	FIRST ISSUE	01/08				CHECKED	A.DEHGHAN	01/08			Project No:	Sheet: 4
REV.	Description.	DATE				APPROVED	A.DEHGHAN	01/08			DWG NO: MT-SUB-BREC-6159-DD-02-SH-001	Contract No:



NOTE:

- THE CHARACTERISTICS OF CT'S & VT'S & CVT'S SHALL BE FINAL AFTER CALCULATION.

C	ACC TO MEETING 1401/11/18	01/11	Consultant:				Client:				Contractor:								
B	ACC TO LETTER NO. 1401/169/1349	01/09			DRAWN		S.S.SARABI		01/08		Title:		GENERAL SINGLE LINE DIAGRAM 20 KV						
A	ACC TO LETTER NO. 22/789045	01/09			DESIGNED		S.S.SARABI		01/08										
Z	FIRST ISSUE	01/08			CHECKED		A.DEHGHAN		01/08										
REV.	Description.	DATE	APPROVED		A.DEHGHAN		01/08		DWG NO		JMT-SUB-BREC-6159-DD-02-SH-001		Project:		AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION		Scale: --		
										Project No:		Contract No:		Sheet:		Next Sheet: 6			
														5					

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
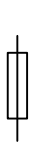


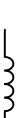


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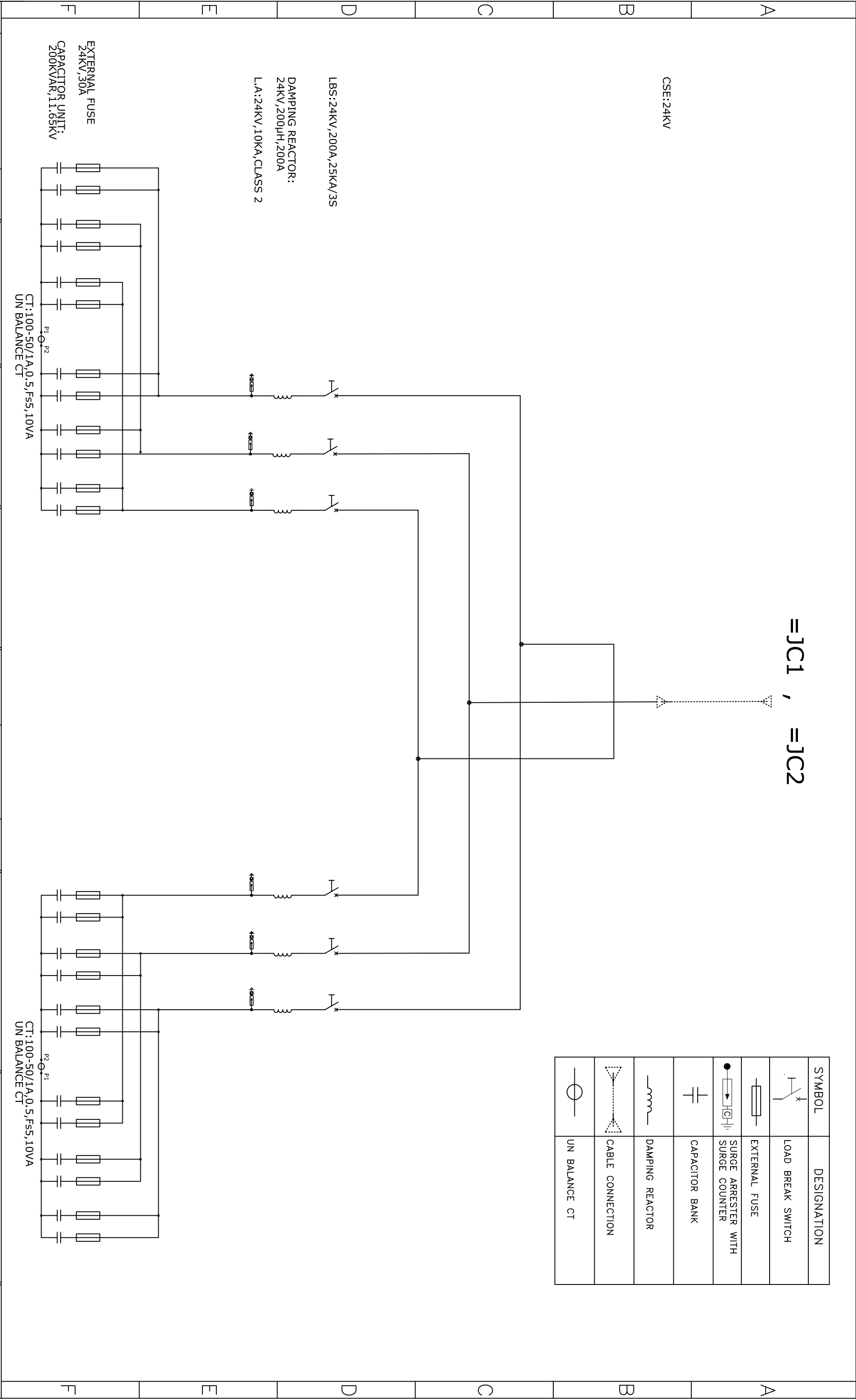
6




7

8

SYMBOL	DESIGNATION
	LOAD BREAK SWITCH
	EXTERNAL FUSE
	SURGE ARRESTER WITH SURGE COUNTER
	CAPACITOR BANK
	DAMPING REACTOR
	CABLE CONNECTION
	UN BALANCE CT

=JC1 , =JC2



C	ACC TO MEETING 1401/11/18	01/11	Consultant:		Client:		Contractor:		Title:		Project:		Scale: --	
B	ACC TO LETTER NO. 1401/169/1349	01/09	 MOMENCO IRAN CONSULTING ENGINEERS		 AZARSKSH ENERGY MOHAM SHARGH		 WEST REGIONAL ELECTRIC COMPANY		GENERAL SINGLE LINE DIAGRAM CAPACITOR BANK		AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION		Sheet: --	
A	ACC TO LETTER NO. 22/789045	01/09											Size: --	
Z	FIRST ISSUE	01/08											Sheet: 6	
REV.	Description.	DATE							DWG NO:MT-SUB-BREC-6159-DD-02-SH-001		Project No:		Next Sheet: /	
											Contract No:			