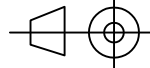


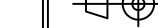
AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION

General Single Line Diagram

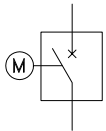
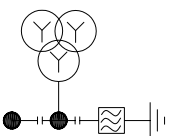
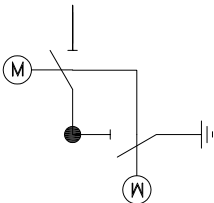
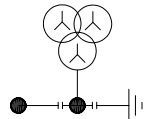
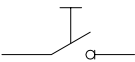
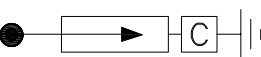
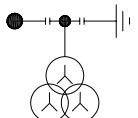
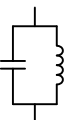
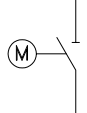
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Z		S.SARABI	1401/08	FIRST ISSUE
REV.	VERIFIED	DRAWN	DATE	DESCRIPTION
	DATE:	NAME:	SCALE: –	STANDARD:
DRAWN	1401/08	S.SARABI	SUBJECT: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION GENERAL SINGLE LINE DIAGRAM	
DESIGNED	1401/08	S.SARABI		
CHECKED	1401/08	A.DEHGHAN		
APPROVED	1401/08	A.DEHGHAN		
CONTRACT NO:			DRAWING NO: MT-SUB-BREC-6159-DD-02-SH-001	
CONSULTANT:		CONTRACTOR:	CLIENT:	
 MONENCO IRAN CONSULTING ENGINEERS		 AZARSKSH ENERGY MOHAM SHARGH	 WEST REGIONAL ELECTRIC COMPANY	
CONSU. REF:		CONT. REF:		CLIEN REF:

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
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Page	Description	Revision			
		<i>Z</i>	<i>A</i>	<i>B</i>	<i>C</i>
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	ACC TO MEETING 1401/11/18	01/11	Consultant:  MONENCO IRAN CONSULTING ENGINEERS	Client:  AZARSKSH ENERGY MOHAM SHARGH	Contractor:  WEST REGIONAL ELECTRIC COMPANY		Name	Date	Title: LIST OF CONTACT	Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION	Scale: --
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A	ACC TO LETTER NO. 22/789045	01/09				DESIGNED	S.SARABI	01/08			Project No:
Z	FIRST ISSUE	01/08				CHECKED	A.DEHGHAN	01/08		Contract No:	
REV.	Description.	DATE				APPROVED	A.DEHGHAN	01/08			DWG NO:MT-SUB-BREC-6159-DD-02-SH-001

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

SYMBOL	DESIGNATION	SYMBOL	DESIGNATION	SYMBOL	DESIGNATION
	CIRCUIT BREAKER		3 PHASE CAPACITIVE VOLTAGE TRANSFORMER WITH LINE MATCHING UNIT		MOTOR OPERATED DISCONNECTING SWITCH WITH MOTOR OPERATED EARCHING SWITCH
	CURRENT TRANSFORMER		3 PHASE CAPACITIVE VOLTAGE TRANSFORMER		ON LOAD DISCONNECTING SWITCH
	SURGE ARRESTER WITH SURGE COUNTER		SINGLE PHASE CAPACITIVE VOLTAGE TRANSFORMER		LINE TRAP
	MOTOR OPERATED DISCONNECTING SWITCH				

C	ACC TO MEETING 1401/11/18	01/11	Consultant:  MONENCO IRAN CONSULTING ENGINEERS	Client:  AZARSKSH ENERGY MOHAM SHARGH	Contractor:  WEST REGIONAL ELECTRIC COMPANY		Name	Date	Title: LIST OF SYMBOLES	Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION	Scale: --	
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A	ACC TO LETTER NO. 22/789045	01/09				DESIGNED	S.SARABI	01/08			Sheet: 2	
Z	FIRST ISSUE	01/08				CHECKED	A.DEHGHAN	01/08		Project No:		Next Sheet: 3
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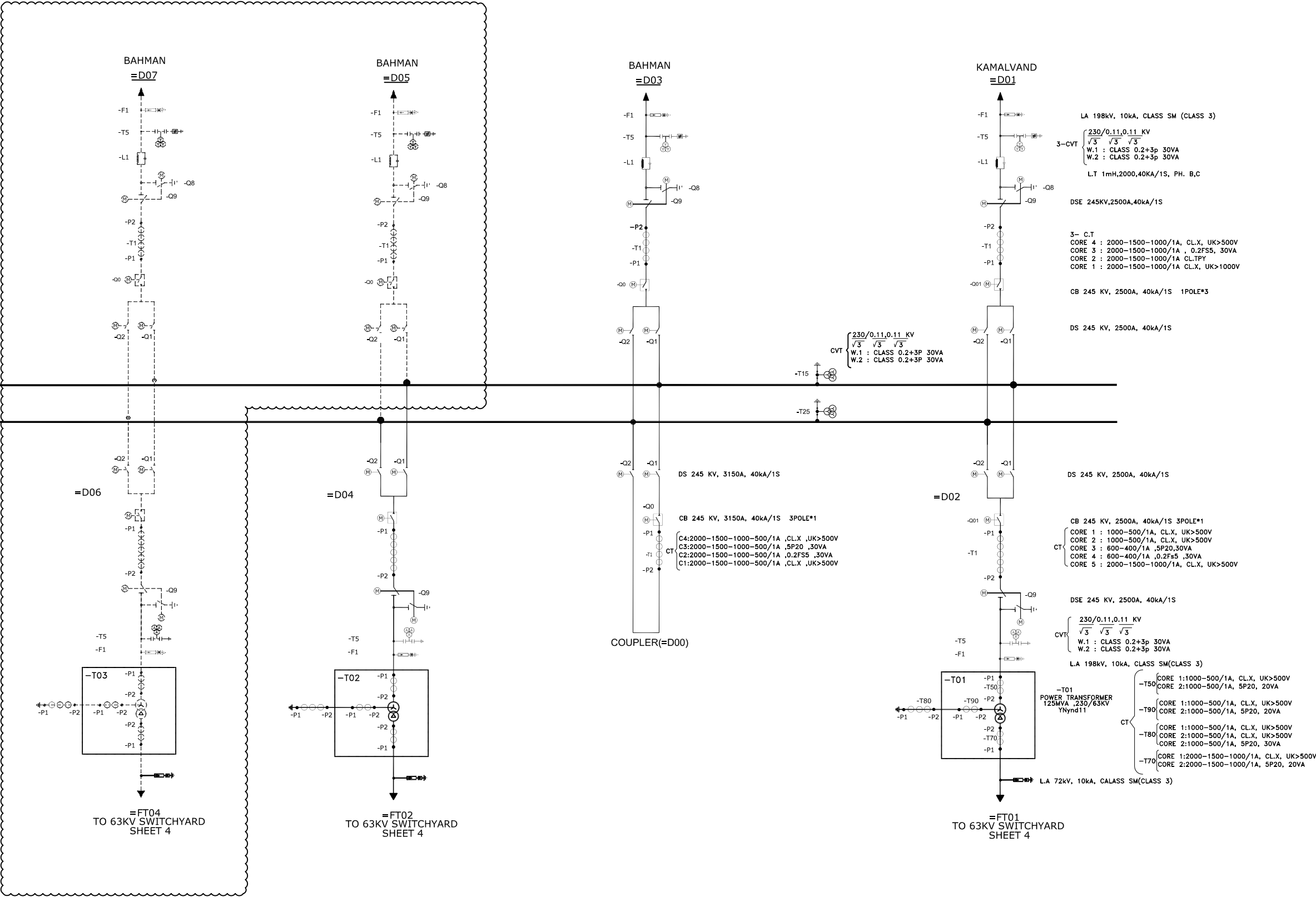
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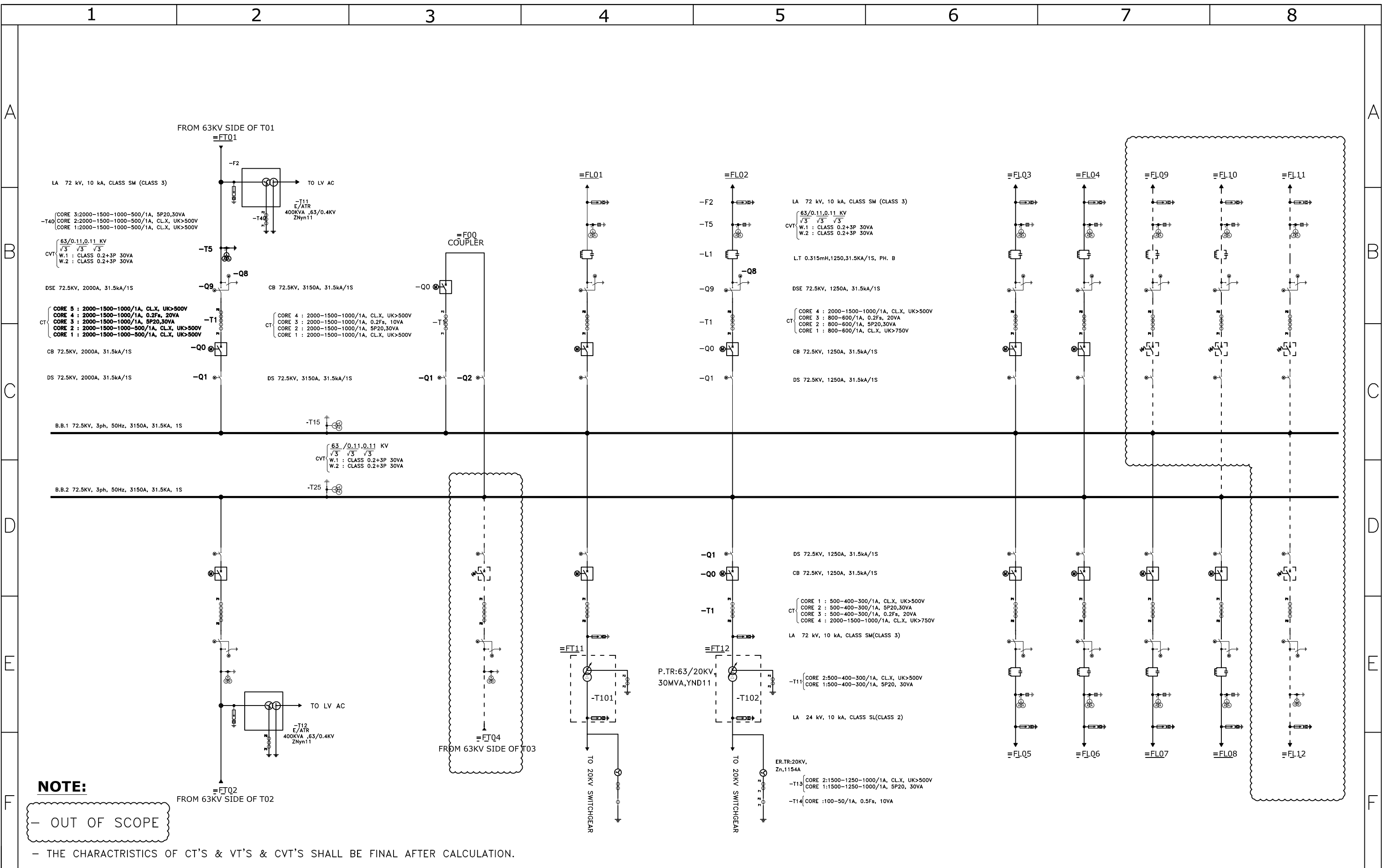


NOTE:

– 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:  MONENCO IRAN CONSULTING ENGINEERS	Client:  AZARSKSH ENERGY MOHAM SHARGH	Contractor:  WEST REGIONAL ELECTRIC COMPANY		Name	Date	Title: GENERAL SINGLE LINE DIAGRAM 230 KV DWG NO:MT-SUB-BREC-6159-DD-02-SH-001	Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION Project No: <td data-cs="2" data-kind="parent">Scale: --</td> <td data-kind="ghost"></td>	Scale: --	
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A	ACC TO LETTER NO. 22/789045	01/09				DESIGNED	S.SARABI	01/08			Sheet: 3	
Z	FIRST ISSUE	01/08				CHECKED	A.DEHGHAN	01/08		Contract No:	Next Sheet: 4	
REV.	Description.	DATE				APPROVED	A.DEHGHAN	01/08				



C	ACC TO MEETING 1401/11/18	01/11	Consultant:  MONENCO IRAN CONSULTING ENGINEERS Client:  AZARSKSH ENERGY MOHAM SHARGH Contractor:  WEST REGIONAL ELECTRIC COMPANY <tr><td>B</td><td>ACC TO LETTER NO. 1401/169/1349</td><td>01/09</td><td rowspan="4"> DRAWN DESIGNED CHECKED APPROVED Name S.SARABI Date 01/08 </td></tr> <tr><td>A</td><td>ACC TO LETTER NO. 22/789045</td><td>01/09</td></tr> <tr><td>Z</td><td>FIRST ISSUE</td><td>01/08</td></tr> <tr><td>REV.</td><td>Description.</td><td>DATE</td></tr> <tr><td colspan="3"></td><td colspan="3"> GENERAL SINGLE LINE DIAGRAM 63 KV </td><td colspan="2"> Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION </td><td> Scale: -- </td></tr> <tr><td colspan="3"></td><td colspan="3"> DWG NO:MT-SUB-BREC-6159-DD-02-SH-001 </td><td colspan="2"> Project No: </td><td> Size: -- </td></tr> <tr><td colspan="3"></td><td colspan="3"></td><td colspan="2"> Contract No: </td><td> Sheet: 4 </td></tr> <tr><td colspan="3"></td><td colspan="3"></td><td colspan="2"></td><td> Next Sheet: 5 </td></tr>	B	ACC TO LETTER NO. 1401/169/1349	01/09	DRAWN DESIGNED CHECKED APPROVED Name S.SARABI Date 01/08	A	ACC TO LETTER NO. 22/789045	01/09	Z	FIRST ISSUE	01/08	REV.	Description.	DATE				GENERAL SINGLE LINE DIAGRAM 63 KV			Project: AYATOLLAH BORUJERDI 230/63/20KV SUBSTATION		Scale: --				DWG NO:MT-SUB-BREC-6159-DD-02-SH-001			Project No:		Size: --							Contract No:		Sheet: 4									Next Sheet: 5
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