

Project Name :

South East Zagross Cluster
Sarvestan and Saadat Abad
Oil Fields Project

Drawing Title :

Single Line Diagram OF 400V COMBINED SWITCHGEAR &
MOTOR CONTROL CENTER(M.C.C.)-(SAA2,WELL HEADS,SAADAT ABAD)
(SAA-EE-02-MC-01)

References :

- Electrical Load List , Drawing No.287-50-SS-PE-EL-LL-001
- Key Single Line Diagram Field Manifold &Well Heads, Drawing No.287-50-SS-PE-EL-SD-001-D6
- Typical Schematic/Wiring Diagram, Drawing No.287-50-SS-PE-EL-DG-002-D3
- Specification For Low Voltage Combined Switchgear & Motor Control center , Document No.287-50-SS-PE-EL-SP-003-D2
- Single Line Diagram , Drawing No.287-50-SS-PE-EL-SD-003-D0
- I/O List For Power Distribution control System (PDCS),Document No.287-50-SS-PE-EL-SH-004-D0

Owners and Contractors Comments :

-

Description :

For As Built

ISBs Documents No.:

ISC	37254	SD	0.4	WD	007	01
-----	-------	----	-----	----	-----	----

Client Documents No.:

-

Contractor Documents No.:

287-50-SS-VD-EL-SD-033-D4

Design :

N.Rahmani

Draw :

M.Shahosseini

Date :

16/02/1391

16/02/1391

M-Sh

Check :

Erfan Ezani

Approve :

Erfan Ezani

Date :

18/02/1391

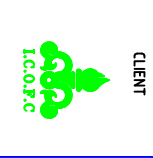
18/02/1391

E-E

Project : South East Zagross Cluster
Sarvestan And Saadat Oil Fields Project

Title : 400V COMBINEDSWITCHGEAR &MOTOR CONTROL CENTER
(M.C.C) - (SAA2,WELL HEADS,SAADAT ABAD) (SAA-EE-02-MC-01)

Drawing Title : SINGLE LINE DIAGRAM



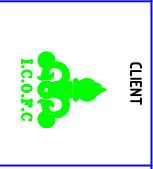
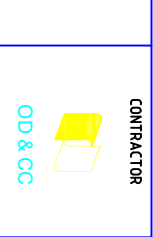
Rev.	Date	Description	Designed by	Checked by	Approved by	Contractor Doc. No.:	Int. Rev.
04	18/02/91	for As Built	N.Rahmani	E.Ezani	E.Ezani	Iran Seabock Doc. No. : ISC-37254-SD-0.4-WD-007-01	-
03	18/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Project No. : -	Scale
02	09/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Project No. : -	1 : 10
01	19/05/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Doc. No. : -	Sheet
00	25/07/88	For Approve	M.Torfeh	E.Ezani	E.Ezani	Contractor Doc. No. : 287-50-SS-VD-EL-SD-033-D4	1 / 5

SHEET No.	00	01	02	03	04	05	06
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

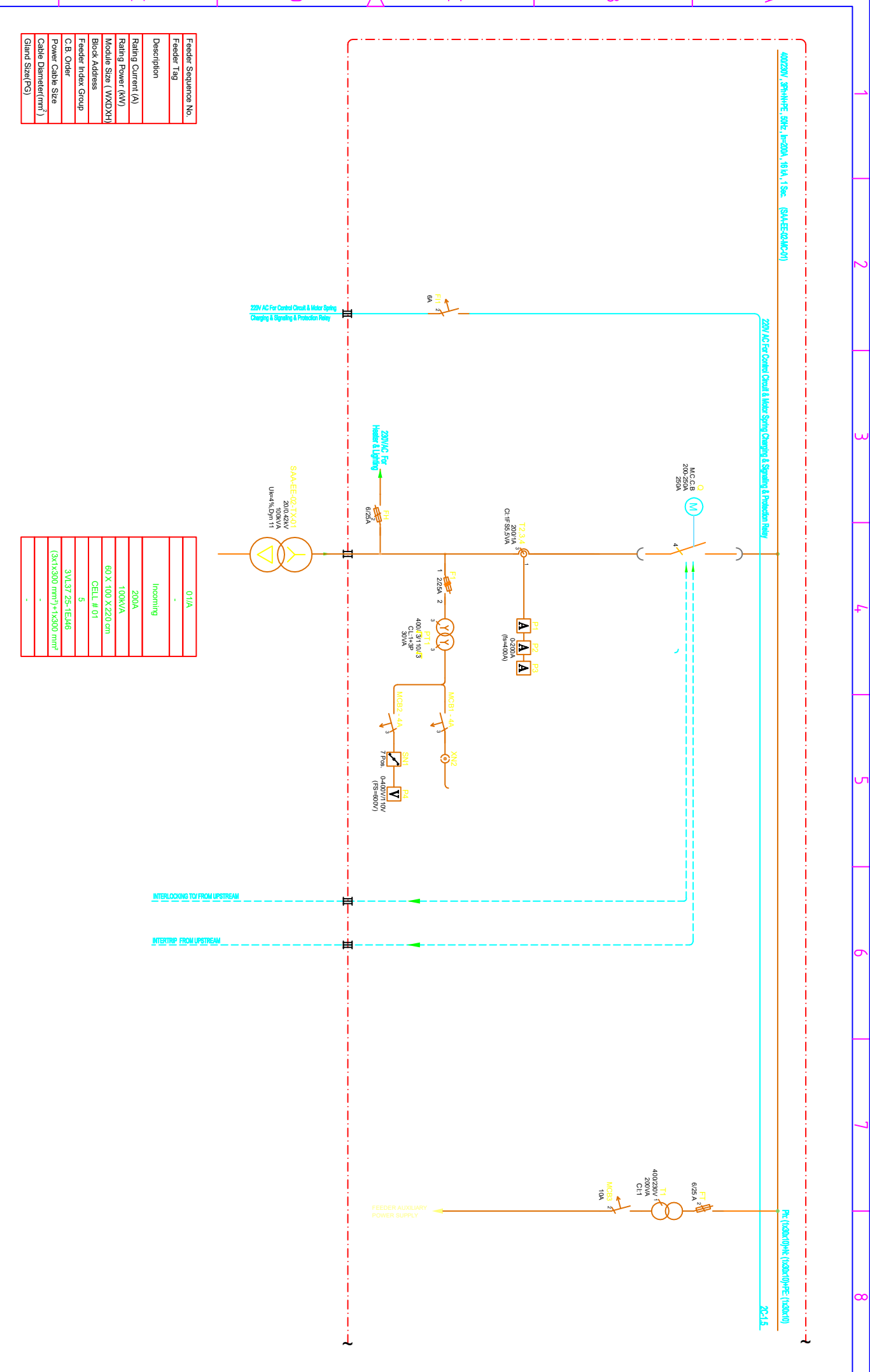
SHEET No.	00	01	02	03	04	05	06
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

SHEET No.	00	01	02	03	04	05	06
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							

Project : South East Zagross Cluster
 Sarvestan And Saader Abad Oil Fields Project
 Title : 400V COMBINEDSWITCHGEAR 4MOTOR CONTROL CENTER
 (M.C.C) - (SAA2,WELL HEADS,SAA0A1 ABAD) (SAA-EE-02-MC-01)
 Drawing Title : SINGLE LINE DIAGRAM



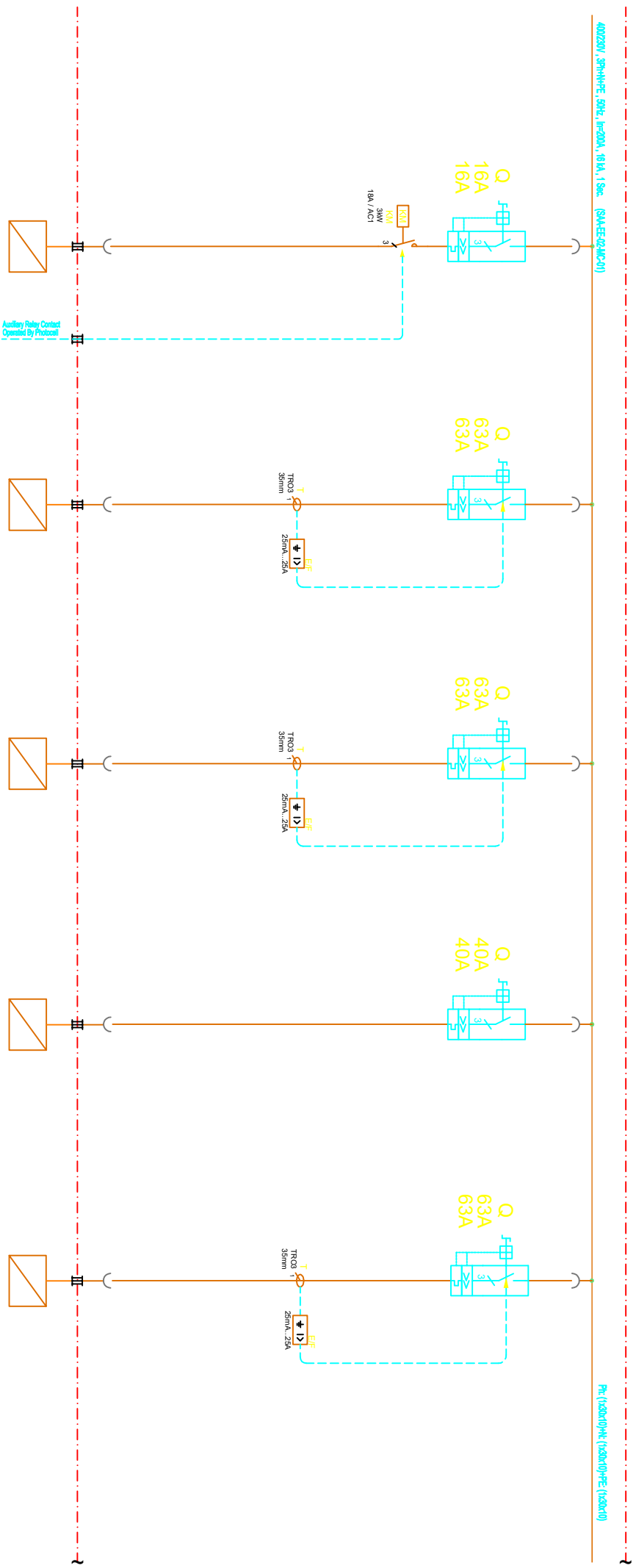
Rev	Date	Description	Designed by	Checked by	Approved by	Contractor Doc. No. :	Int. Rev.
04	18/02/91	for As Built	N.Rahmani	E.Ezani	E.Ezani	Iran Seabock Doc. No. : ISC-37254-SD-04-WD-007-01	-
03	18/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Project No. : - Client Doc. No. : -	Scale
02	09/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani		1 : 10
01	19/05/90	For Approve	N.Rahmani	E.Ezani	E.Ezani		Sheet
00	25/07/88	For Approve	M.Torfeh	E.Ezani	E.Ezani	Contractor Doc. No. : 207-50-SS-VD-EL-SD-033-04	2/5



Feeder Sequence No.	
Feeder Tag	
Description	
Rating Current (A)	
Rating Power (kW)	
Module Size (WXDXH)	
Block Address	
Feeder Index Group	
C.B. Order	
Power Cable Size	
Cable Diameter(mm ²)	
Gland Size(PG)	

01/A	Incoming
	200A
	100kVA
	60 X 100 X 220 cm
	CELL # 01
	5
	3VL37 2S-1EJ46
	(3x1x300 mm ²)+1x300 mm ²

Project :	South East Zagross Cluster	CONSULTANT	CONTRACTOR	CLIENT	MANUFACTURER	Rev.	Date	Description	Designed by	Checked by	Approved by	Contractor Doc. No. :	Int. Rev.
Title :	Sharvestan And Saadar Abad Oil Fields Project	OD&CC	I.C.O.F.C	IRANSEABOCK		04	18/02/91	for As Built	N.Rahmani	E.Ezani	E.Ezani	ISC-31254-SD-04-WD-007-01	-
(MCC) - (SAA2,WELL HEADS,SAADAT ABA01 (SAA-FE-02-MC-01)						03	18/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani		Scale
Drawing Title :	SINGLE LINE DIAGRAM					02	09/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Project No. : -	1-10
						01	19/05/90	For Approve	N.Rahmani	E.Ezani	E.Ezani	Client Doc. No. : -	Sheet
						00	25/07/88	For Approve	M.Torfeh	E.Ezani	E.Ezani	Contractor Doc. No. : 287-50-55-VD-EL-SD-033-D4	3/5



Feeder Sequence No.	Feeder Tag	Description	Rating Current (A)	Rating Power (KW)	Module Size	Block Address	Feeder Index Group	Typical Circuit No.	C.B. Order	Contactor Type	Thermal O/L relay Type	Power Cable Size	Terminal Size (SQ)	Cable Diameter(mm)	Gland Size(Pg)
1/A	---	Area Lighting	9A	5KW	200cm	2.1	4	LL1	3VL17 9E-1DA33	3RT10 15-1AP01	-	4X4 mm ²	6 mm ²	19.6 mm ²	M 20
2/A	SAA-LUP-02	UPS System	16A	8.8KW	200cm	2.4	3	LF2	3VL17 06-1DA33	-	-	4X10 mm ²	16 mm ²	21.8 mm ²	M 25
3/A	SAA-LUP-02(E)	UPS System (By Pass)	16A	8.8KW	200cm	2.5	3	LF2	3VL17 06-1DA33	-	-	4X10 mm ²	16 mm ²	21.8 mm ²	M 25
4/A	SAA2-LN-01	Lighting & Small Power For Substation	22A	9KW	200cm	2.2	2	LF1	3VL17 04-1DA33	-	-	4X4 mm ²	6 mm ²	19.6 mm ²	M 20
5/A	SAA2-LN-02	Lighting & Small Power for Chemical Injection Package Shelter	33A	14KW	200cm	2.6	3	LF2	3VL17 06-1DA33	-	-	4X16 mm ²	25 mm ²	24.9 mm ²	M 25

Project : South East Zagross Cluster Sarvestan And Saadet Abad Oil Fields Project

CONSULTANT : [Logo]

CONTRACTOR : [Logo]

CLIENT : [Logo]

MANUFACTURER : [Logo]

04	18/02/91	for As Built	N.Rahmani	E.Ezani	E.Ezani
03	18/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani
02	09/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani
01	19/05/90	For Approve	N.Rahmani	E.Ezani	E.Ezani

Iran Seabock Doc No. : ISC-37254-SD-0-4-WD-007-01

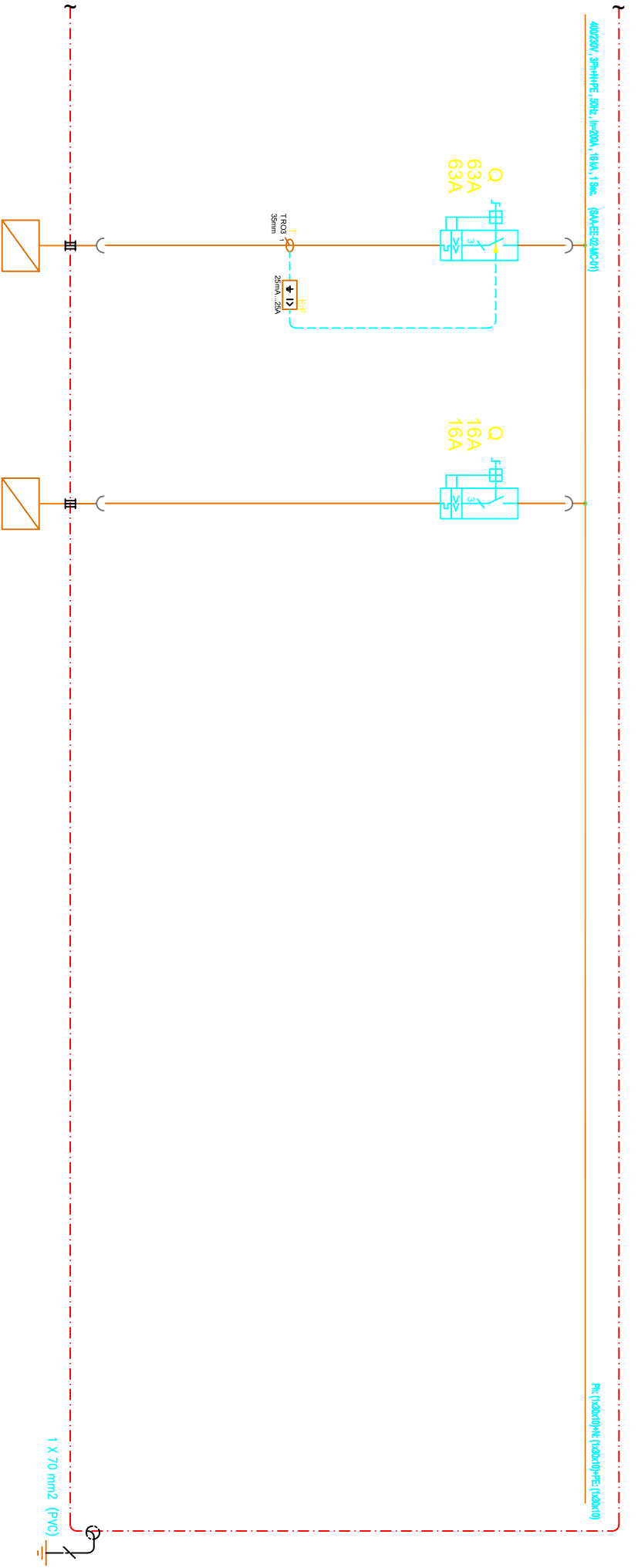
Client Project No. : -

Client Doc No. : -

Int. Rev. : -

Scale : 1 : 10

Title : 400V COMBINEDSWITCHGEAR 4MOTOR CONTROL CENTER (M.C.C) - (SAA2,WELL HEADS,SAA0AT ABA01) (SAA-EF-02-MC-01)



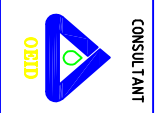
Feeder Sequence No.	6/A
Feeder Tag	-
Description	Spare
Rating Current (A)	-A
Rating Power (kW)	-kW
Module Size	20Cm
Block Address	2.7
Feeder Index Group	3
Typical Circuit No.	LF2
C. B. Order	3VL17 06-1DA33
Contactor Type	-
Thermal O/L relay Type	-
Power Cable Size	-mm ²
Terminal Size (SQ)	-mm ²
Cable Diameter (mm ²)	-
Gland Size(φ)	-

Feeder Sequence No.	7/A
Feeder Tag	-
Description	Spare
Rating Current (A)	-A
Rating Power (kW)	-kW
Module Size	20Cm
Block Address	2.3
Feeder Index Group	1
Typical Circuit No.	LF1
C. B. Order	3VL17 06-1DA33
Contactor Type	-
Thermal O/L relay Type	-
Power Cable Size	-mm ²
Terminal Size (SQ)	-mm ²
Cable Diameter (mm ²)	-
Gland Size(φ)	-

Project : South East Zagross Cluster
Sarvestan And Saadat Abad Oil Fields Project

Title : 400V COMBINED SWITCHGEAR & MOTOR CONTROL CENTER
(M.C.C) - (SAA& WELL HEADS SAADAT ABAD) (SAA-EE-02-MC-01)

Drawing Title : SINGLE LINE DIAGRAM



Rev.	Date	Description	Designed by	Checked by	Approved by
04	18/02/91	for As Built	N.Rahmani	E.Ezani	E.Ezani
03	18/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani
02	09/07/90	For Approve	N.Rahmani	E.Ezani	E.Ezani
01	19/05/90	For Approve	N.Rahmani	E.Ezani	E.Ezani
00	25/07/88	For Approve	M.Torfeh	E.Ezani	E.Ezani

Iran Seabock Doc. No. : ISC-37254-SD-0.4-WD-007-01

Client Project No. : -

Client Doc. No. : -

Contractor Doc. No. : 287-50-SS-VD-EL-SD-033-D4

Int. Rev. : -

Scale : 1 : 10

Sheet : 5/5