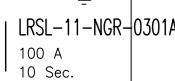
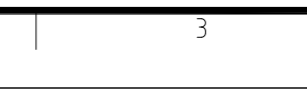
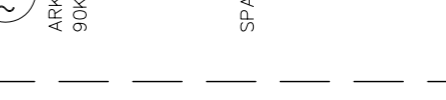
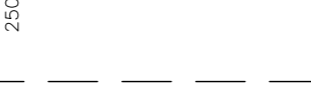
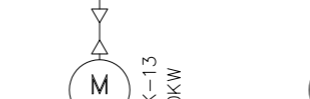
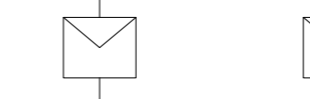
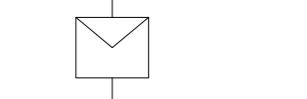
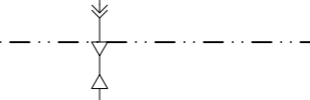
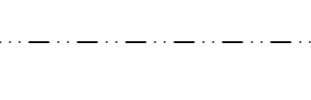
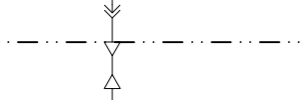
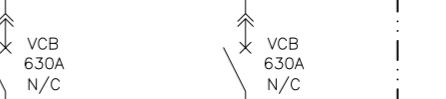
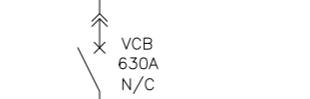
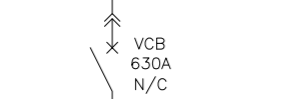
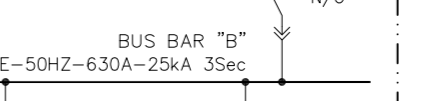
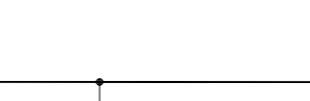
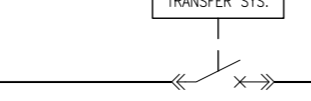
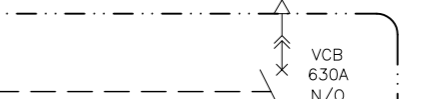
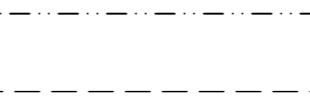
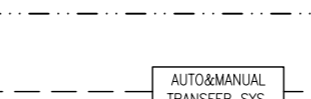
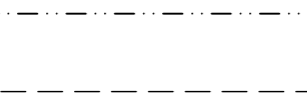
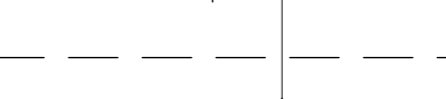
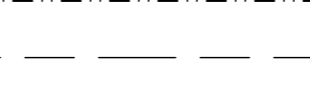
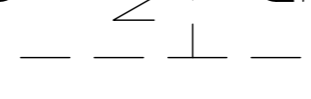
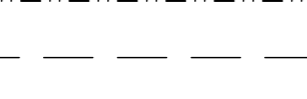
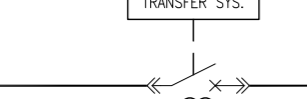
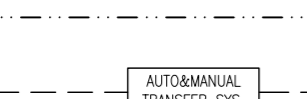
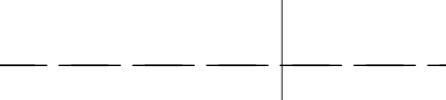
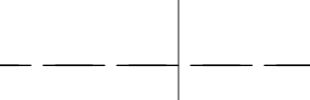
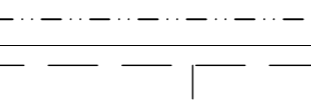
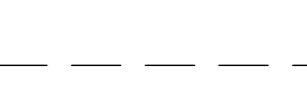
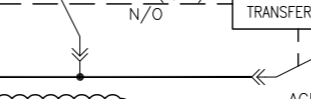
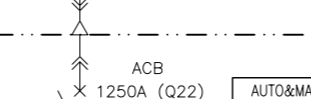
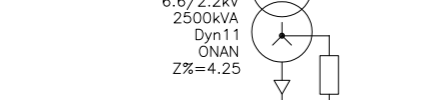
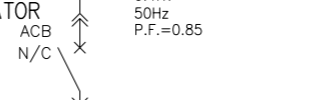
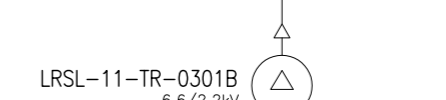
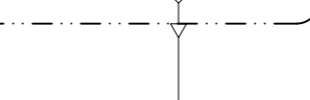
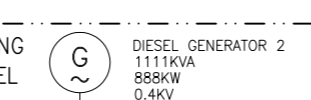
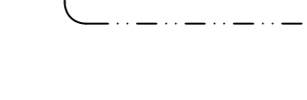
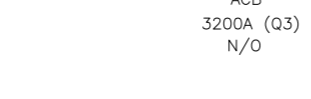
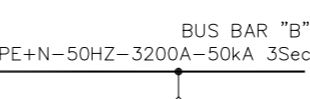
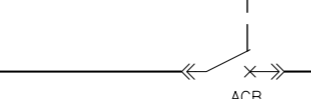
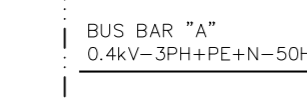
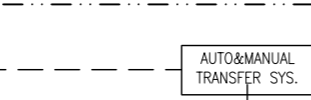
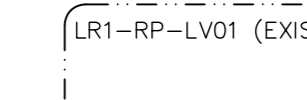
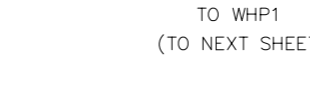
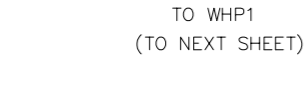
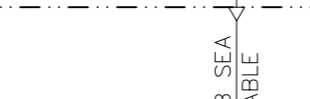
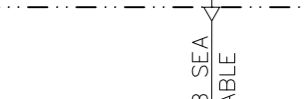
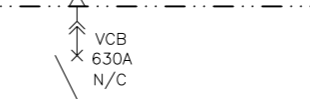
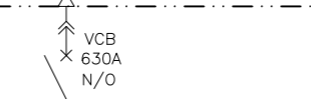
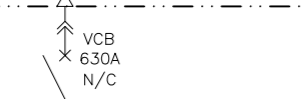
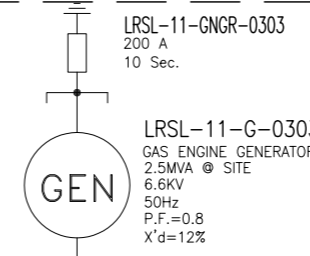
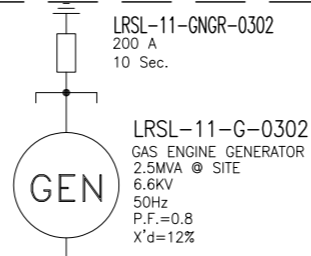
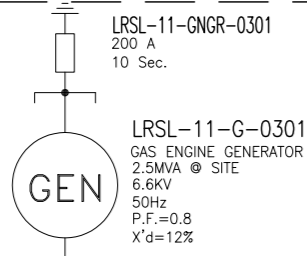


SERVICE PLATFORM

LRSL-11-MC-0301 (NEW SWITCHGEAR)

BUS BAR "A"
6.6kV-3PH+PE-50HZ-800A-25kA 1Sec

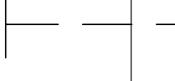
BUS BAR "B"
6.6kV-3PH+PE-50HZ-800A-25kA 1Sec



LRSL-11-NGR-0301A
100 A
10 Sec.



LRSL-11-NGR-0301B
100 A
10 Sec.



LRSL-11-NGR-0301C
100 A
10 Sec.



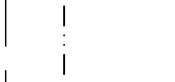
LRSL-11-NGR-0301D
100 A
10 Sec.



LRSL-11-NGR-0301E
100 A
10 Sec.



LRSL-11-NGR-0301F
100 A
10 Sec.



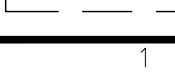
LRSL-11-NGR-0301G
100 A
10 Sec.



LRSL-11-NGR-0301H
100 A
10 Sec.



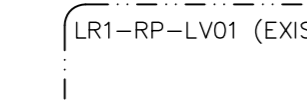
LRSL-11-NGR-0301I
100 A
10 Sec.



LRSL-11-NGR-0301J
100 A
10 Sec.



LRSL-11-TR-0302A
6.6/0.42kV
1600kVA
Dyn11
ONAN
Z% = 5



LRSL-11-TR-0302B
6.6/0.42kV
1600kVA
Dyn11
ONAN
Z% = 5



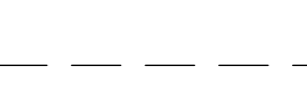
LRSL-11-TR-0301A
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



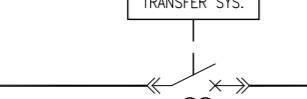
LRSL-11-TR-0301B
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



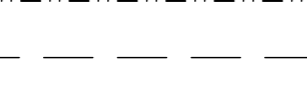
LRSL-11-TR-0301C
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



LRSL-11-TR-0301D
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



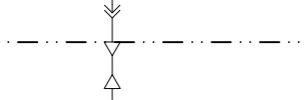
LRSL-11-TR-0301E
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



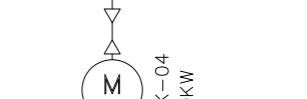
LRSL-11-TR-0301F
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



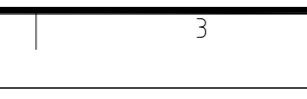
LRSL-11-TR-0301G
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25



LRSL-11-TR-0301H
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25

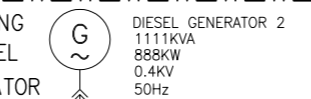


LRSL-11-TR-0301I
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25

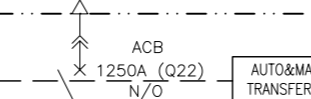


LRSL-11-TR-0301J
6.6/2.2kV
2500kVA
Dyn11
ONAN
Z% = 4.25

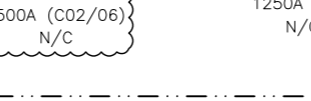
DRILLING PLATFORM



DIESEL GENERATOR 1
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



DIESEL GENERATOR 2
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



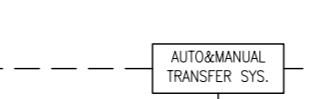
DIESEL GENERATOR 3
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



DIESEL GENERATOR 4
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



DIESEL GENERATOR 5
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



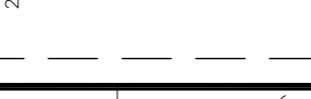
DIESEL GENERATOR 6
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



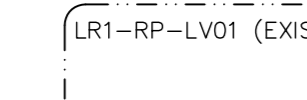
DIESEL GENERATOR 7
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



DIESEL GENERATOR 8
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



DIESEL GENERATOR 9
1111kVA
888kW
0.4kV
50Hz
P.F.=0.85



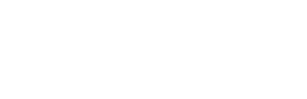
LR1-RP-LV01 (EXISTING SWITCHGEAR)
ACB 3200A (Q1)
N/C



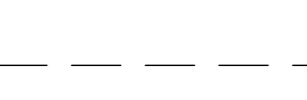
LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q21)
N/C



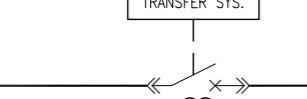
LR1-RP-MVS01 (EXISTING SWITCHGEAR)
ACB 250A (C02/07)
N/C



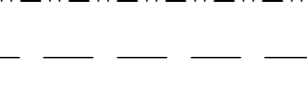
LRSL-11-MC-0101 (NEW SWITCHGEAR)
ACB 630A
N/C



LRSL-11-MC-0302 (NEW SWITCHGEAR)
ACB 500A
N/C



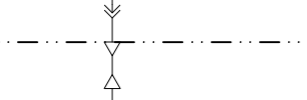
LRSL-11-MC-0301 (NEW SWITCHGEAR)
ACB 630A
N/C



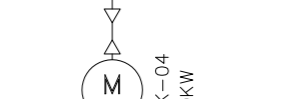
LRSL-11-MC-0302 (NEW SWITCHGEAR)
ACB 500A
N/C



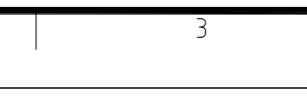
LRSL-11-MC-0301 (NEW SWITCHGEAR)
ACB 630A
N/C



LRSL-11-MC-0302 (NEW SWITCHGEAR)
ACB 500A
N/C



LRSL-11-MC-0301 (NEW SWITCHGEAR)
ACB 630A
N/C



LRSL-11-MC-0302 (NEW SWITCHGEAR)
ACB 500A
N/C

HOLD



ARK-04
150kW



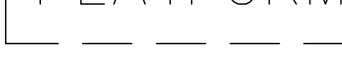
ARK-01
250kW



ARK-05
250kW



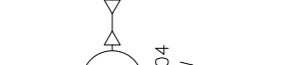
ARK-09
250kW



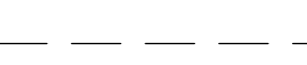
ARK-15
250kW



ARK-14
250kW



ARK-13
250kW



ARK-19
70kW



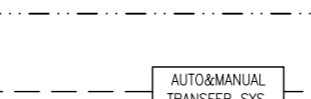
ARK-18
90kW



LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q22)
N/C



LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q23)
N/C



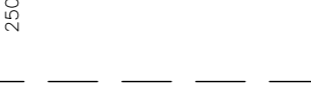
LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q24)
N/C



LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q25)
N/C

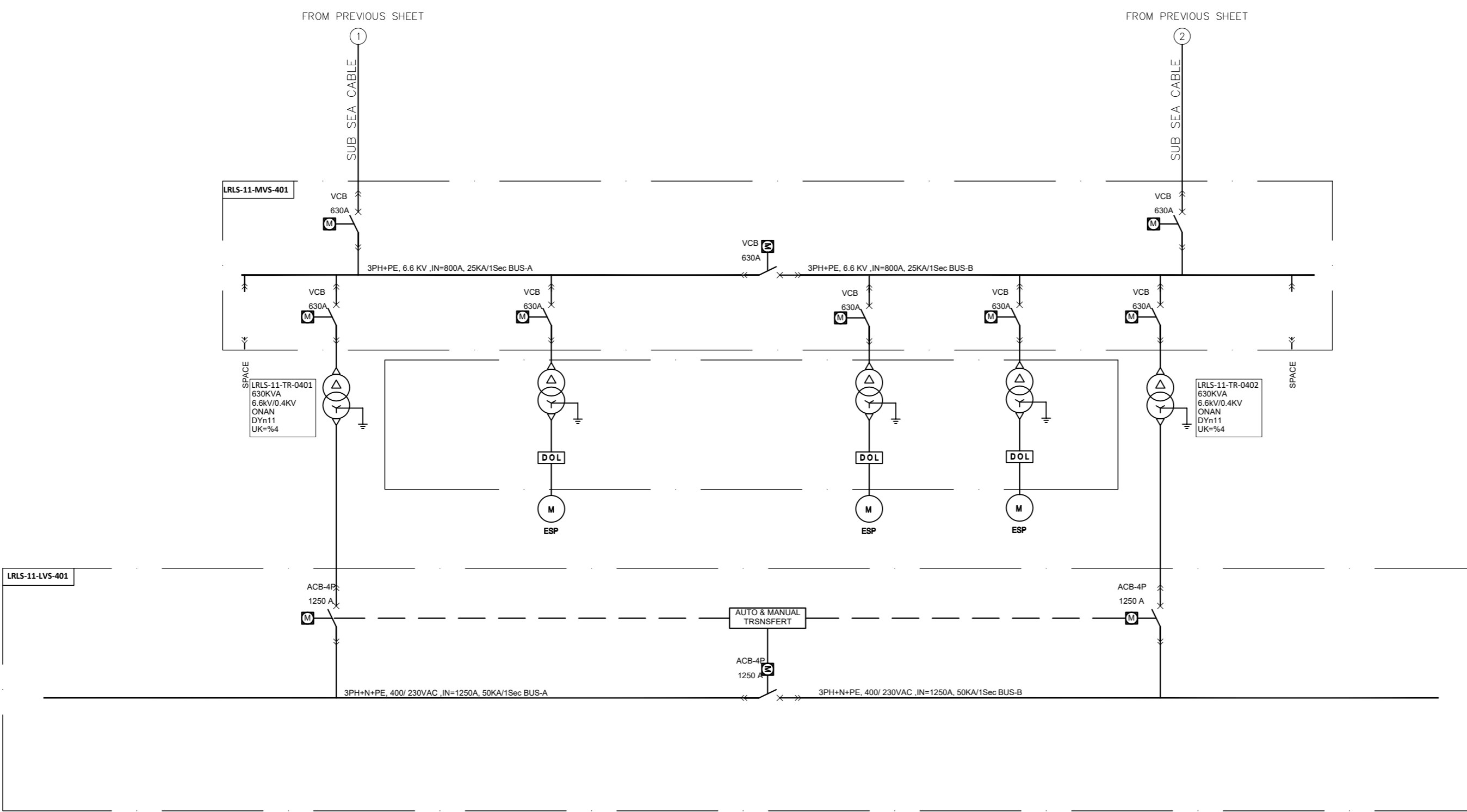


LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q26)
N/C



LR1-RP-DB01 (EXISTING SWITCHGEAR)
ACB 1250A (Q27)
N/C





GENERAL NOTES

1- WHP1 (SHEET 2) ARE NOT IN SCOPE OF TEHRAN RAYMAND. SO TEHRAN RAYMAND ARE NOT RESPONSIBLE FOR SINGLE LINE OF WHP1. SLD OF WHP1 IS BASED ON THE DOCUMENT "LRSL-WP1-EL-SL-301" & "LRSL-WP1-EL-LI-302"

2- TWO INCOMING FEEDERS FROM R1 TO WHP1 ARE PROVIDED. ONE SUB SEA CABLE WILL BE PROCURED BETWEEN R1 AND WHP1.

SPECIFIC NOTES

ABBREVIATIONS & LEGEND

- POWER TRANSFORMER WITH TWO WINDINGS
ONAN : OIL-IMMERSED, OIL NATURAL AIR NATURAL COOLING
AN : NATURALLY AIR COOLED
- 3 PHASE WINDING, DELTA
- 3 PHASE WINDING, STAR
- GENERATOR
- INDUCTION MOTOR
- CIRCUIT BREAKER
NO : NORMALLY OPEN
NC : NORMALLY CLOSED
VCB : VACUUM CIRCUIT BREAKER
ACB : AIR CIRCUIT BREAKER
MCCB : MOLDED CASE CIRCUIT BREAKER
- TRANSFORMER AND CONTROL UNIT FOR ESP
- WITHDRAWABLE IN EQUIPMENT
- NGR (NEUTRAL GROUND RESISTOR)

REFERENCE DRAWINGS

DESCRIPTION	DWG. No.
Electrical Load List & Load Balance	LRSL-R1X-EL-LI-002
Electrical System Study	LRSL-R1X-EL-ST-002
Electrical Design Criteria	LRSL-000-EL-DB-603
Symbol & Legend for Electrical System	LRSL-000-EL-DR-609
OFFSHORE PLATFORMS WHP1 OVERALL SINGLE LINE DIAGRAM	LRSL-WP1-EL-SL-301
Electrical Load Schedule	LRSL-WP1-EL-LI-302

KEY PLAN

Rev	Date	PURPOSE OF ISSUE	Orig	By	Prep'd	Check'd	App'd	Company App'd
03	26-Jul-21	Approved for Construction	IOEC	S.Saffar	A.Samadi	M.Aghaei		
02	07-Jul-21	Approved for Construction	IOEC	S.Saffar	A.Samadi	M.Aghaei		
01	29-May-21	Issued for Approval	IOEC	S.Saffar	A.Samadi	M.Aghaei		
00	19-Apr-21	Issued for Comment	IOEC	S.Saffar	A.Samadi	M.Aghaei		

CLIENT: Iranian Offshore Oil Company I.O.O.C.

CONTRACTOR: IOEC

SUB-CONTRACTOR: INTELLIGENT SOLUTIONS INC. IR Consulting Engineers

Project No: 2-98-5365 Doc. Class: 2 Size: A2 Scale: N.T.S.

Project Name : Resalat Oil Field Development - Phase 1 (EPC-EPD)

TITLE : **Overall Single Line Diagram**

DRAWING No.	LRSL-R1X-EL-SD-007	SHT. NO.	2 OF 2	Rev.	03
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