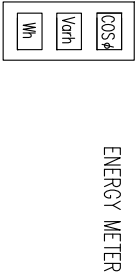
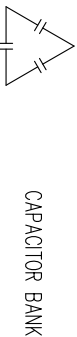
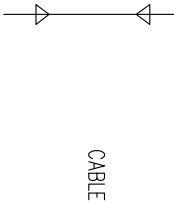
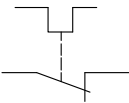
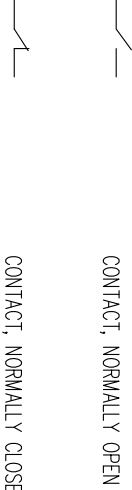
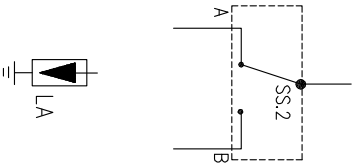
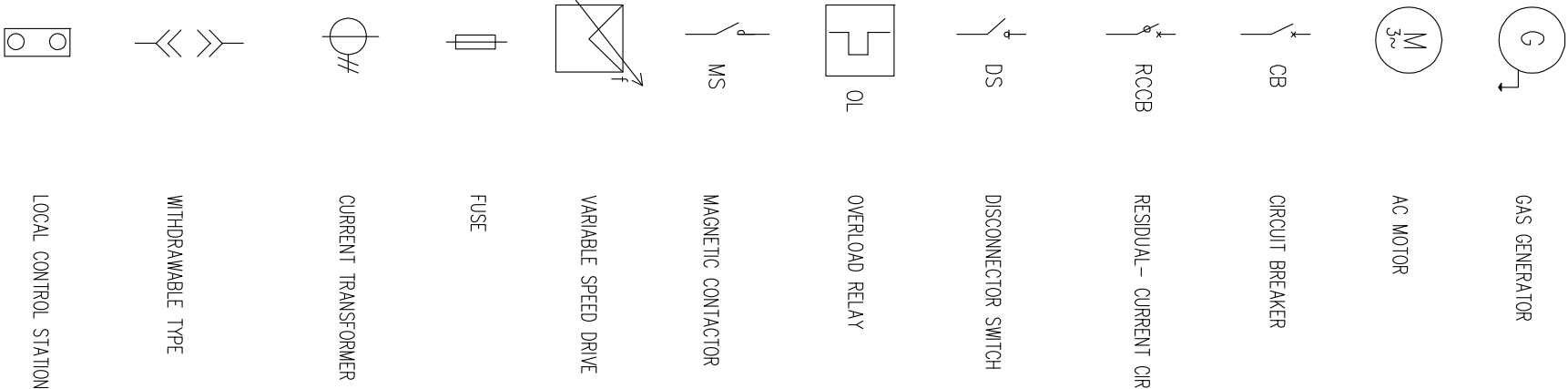





LEGENDS



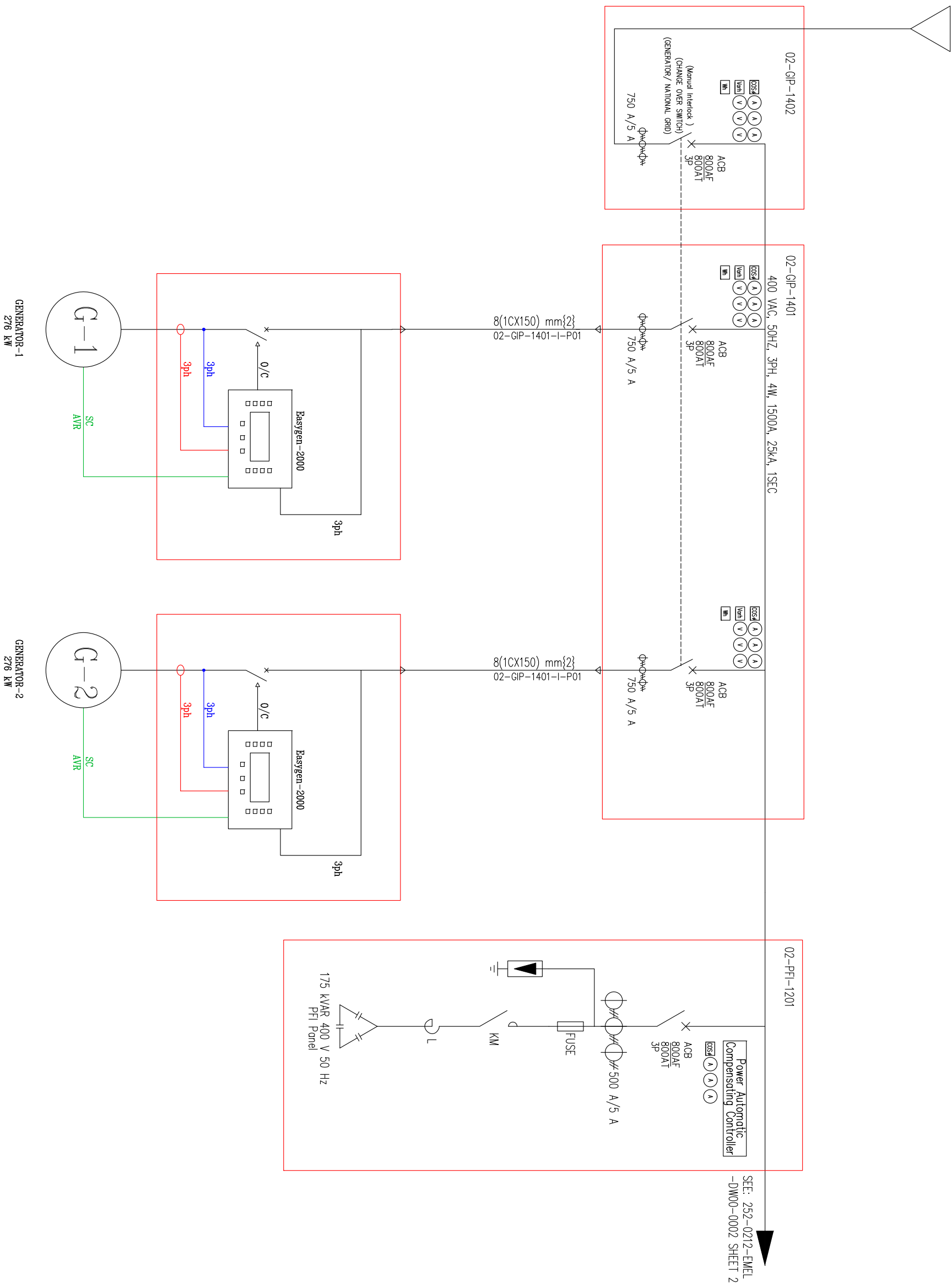
FOR		BANGLADESH GAS FIELDS COMPANY LIMITED
		CONSORTIUM OF ZICOM EQUIPMENT PTE. LTD. AND SINOPEC PETROLEUM ENGINEERING CORPORATION
TITLE		2 X 75 MMSFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT
ELECTRICAL LEGEND, NOTES & SYMBOLS FOR LOCATION		

FORMAT		DRAWING NO.		REVISION	
A2		232-0212-EML-0M00-0001		A	
SCALE		NTS		SHEET 1 OF 1	

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FEEDER (INCOMING PANEL)

POWER FROM NATIONAL GRID



REV	DATE	APPR'D	
CLIENT APPROVAL			
A	ISSUED FOR APPROVAL	AS	MH
REV	DESCRIPTION	PREP'D	CHK'D
		APPD	DATE
REVISIONS			

FC

BANGLADESH GAS FIELDS COMPANY LIMITED




CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND

AND
SINOPEC PETROLEUM ENGINEERING CORPORATION
ZICOM

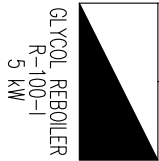
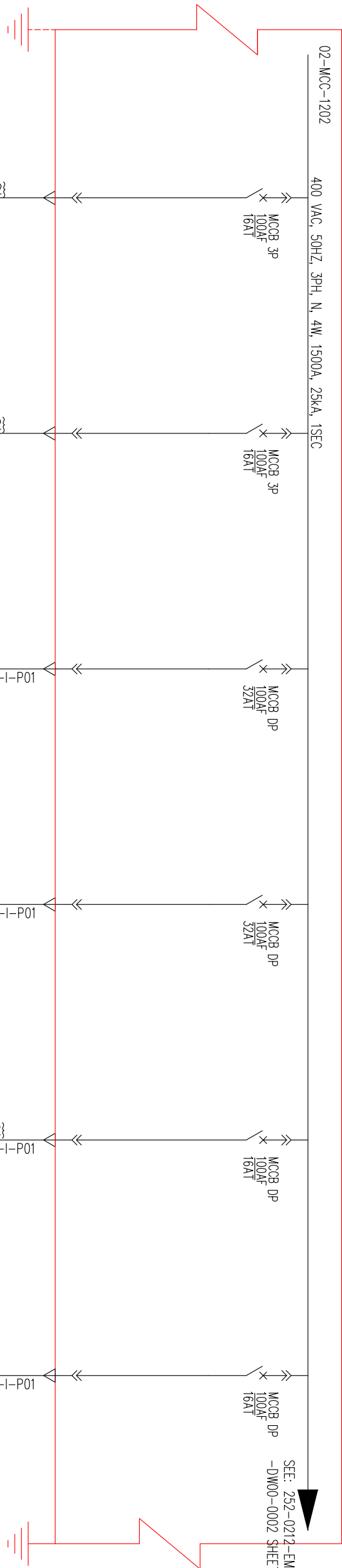
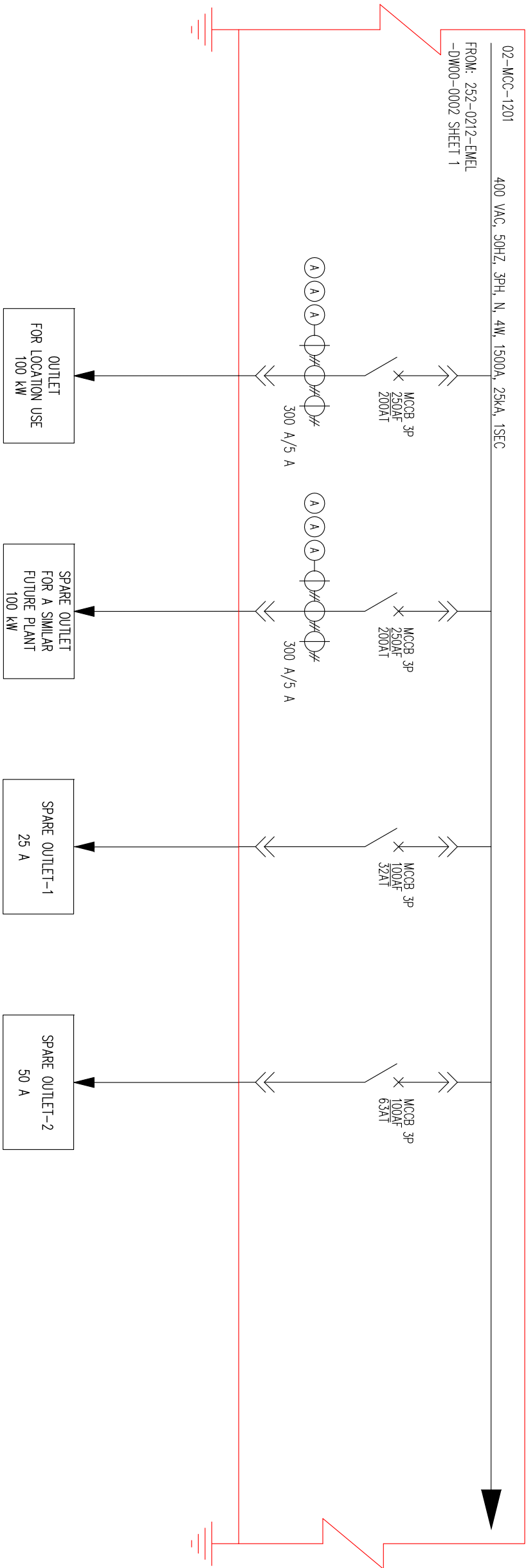
2 X 75	MMSCFD	TEG	DEHYDRATION	TYPE	NATURAL GAS	PROCESS PLANT
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FILE

FORMAT	DRAWING NO		REVISION
A2	252-0212-EMEL-DW00-0002		
SCALE	NIS	SHEET 1 OF 5	

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MOTOR CONTROL CENTER (MCC)



BANGLADESH GAS FIELDS COMPANY LIMITED

CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND
SINOPEC PETROLEUM ENGINEERING CORPORATION

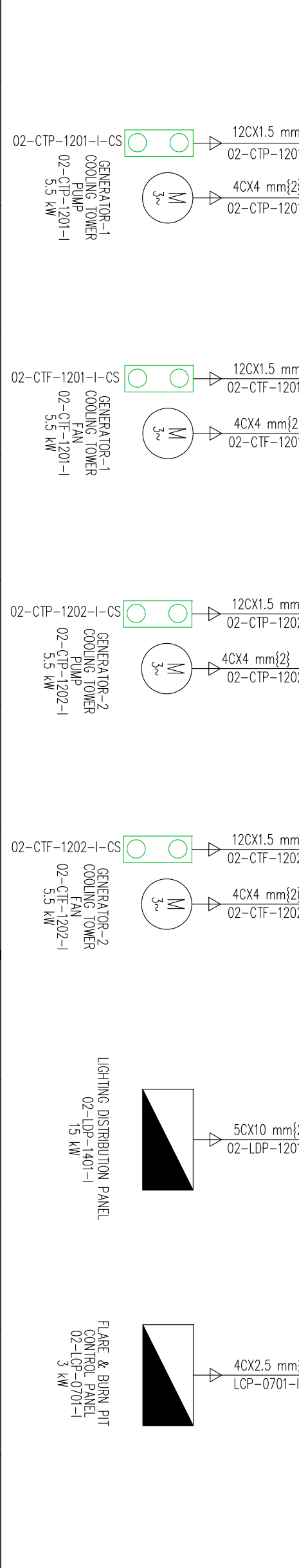
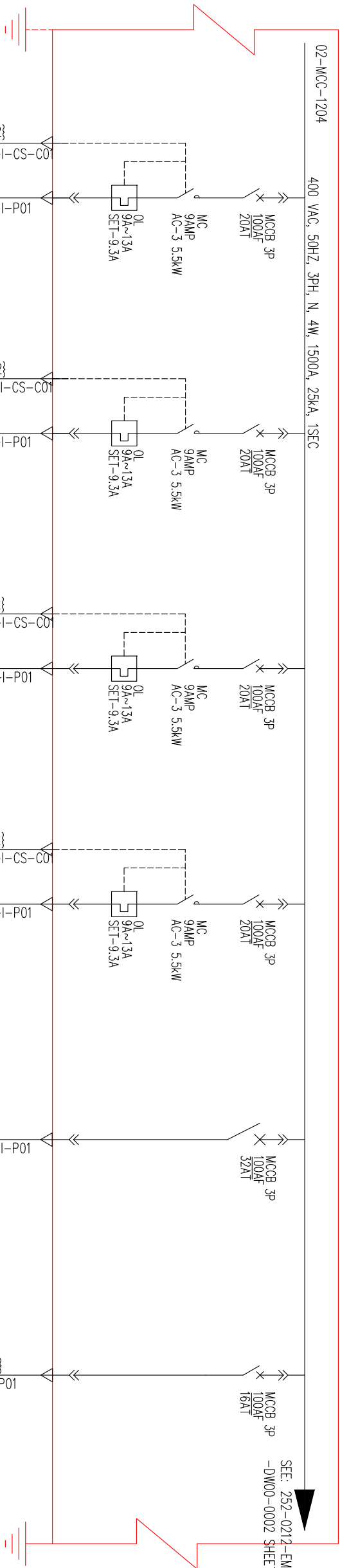
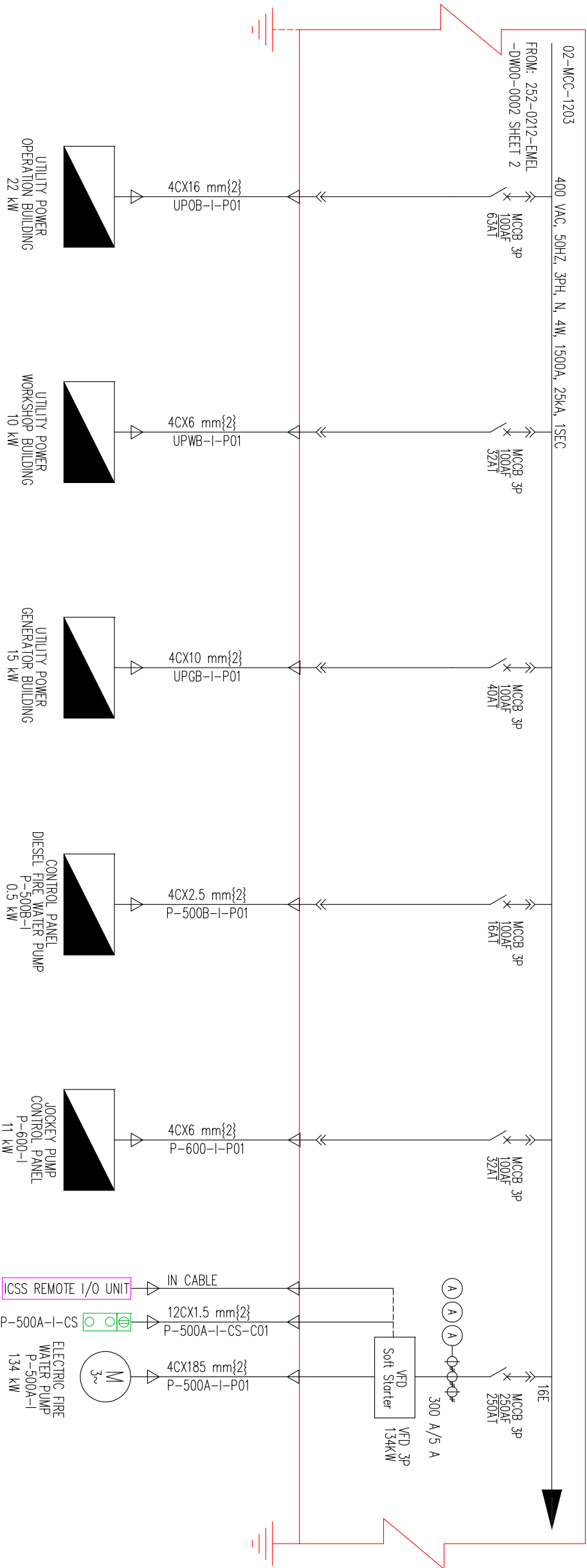
2 X 75 MASGD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

SINGLE LINE DIAGRAM FOR MCC FOR LOCATION I

FORMAT		DRAWING NO.		REVISION	
A2	SCALE	NTS	SHEET 2 OF 5	A	

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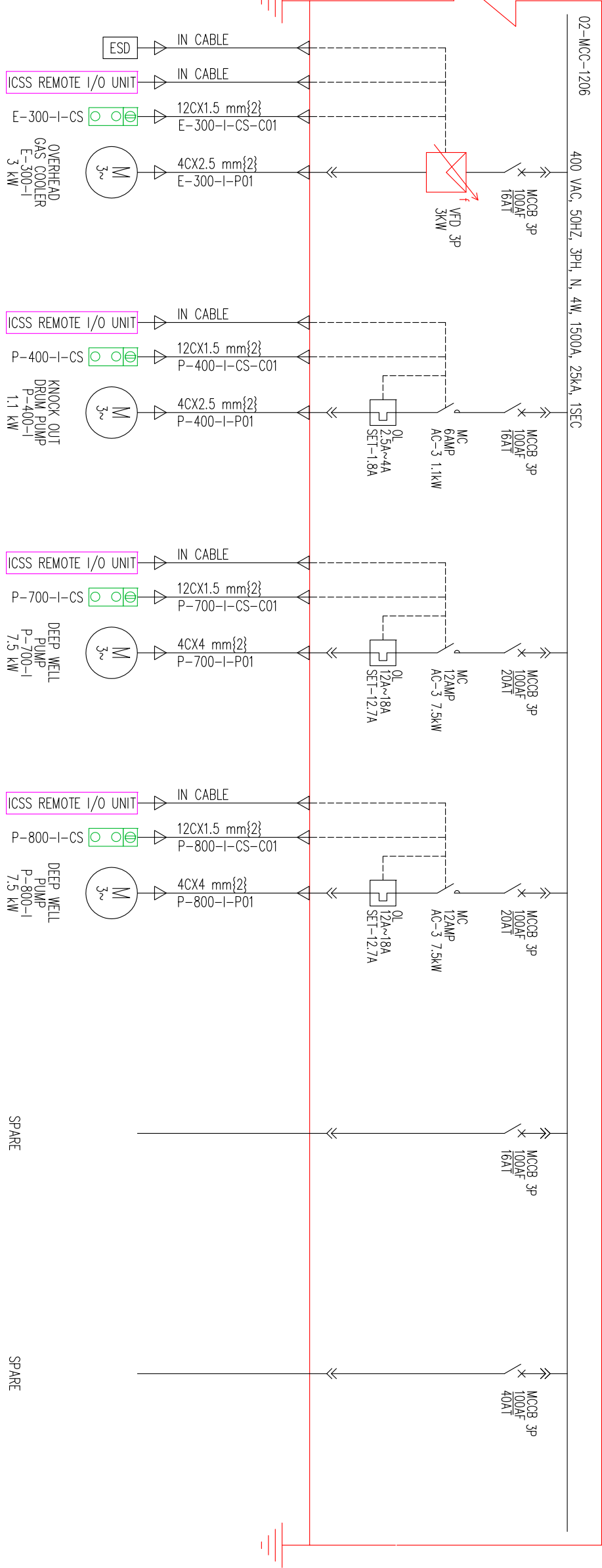
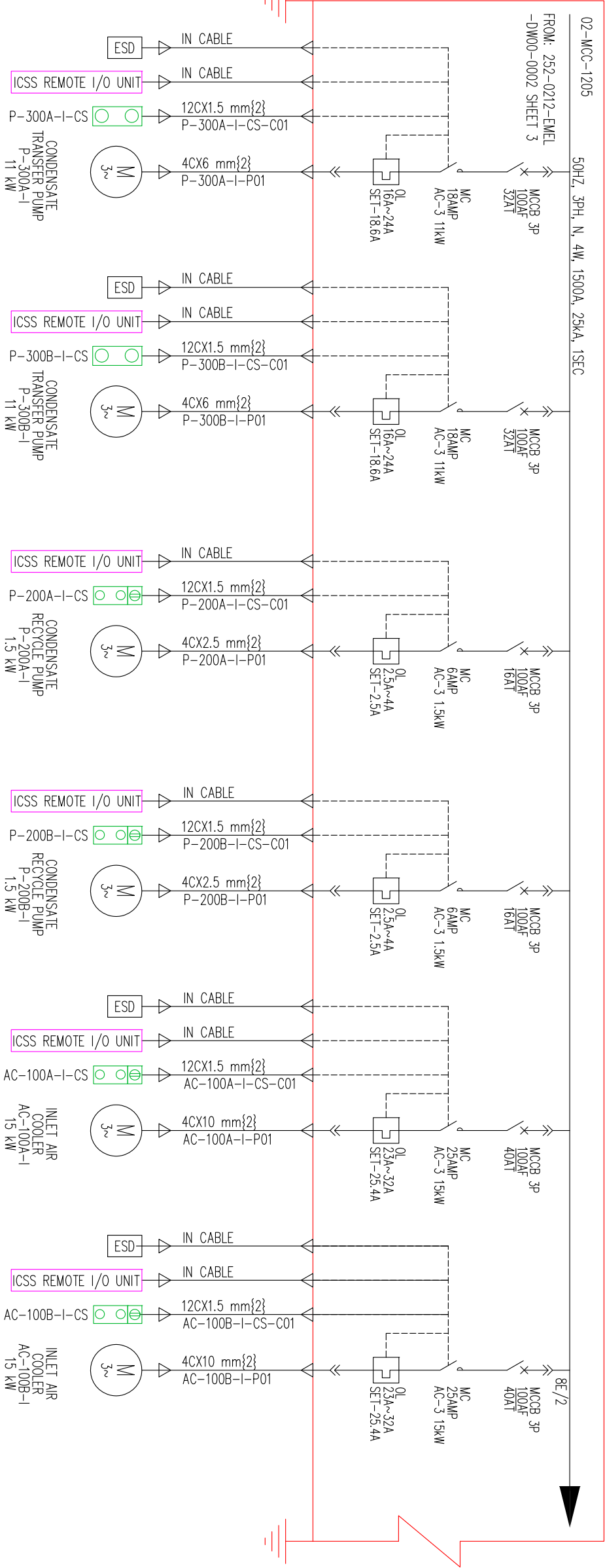
MOTOR CONTROL CENTER (MCC)



REV	DATE	APP'D
CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VS 2015/10/28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		
FOR		
BANGLADESH GAS FIELDS COMPANY LIMITED		
ZICOM EQUIPMENT PTE. LTD.		
SINOPEC PETROLEUM ENGINEERING CORPORATION		
2 X 75 MMSD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT		
TITLE		
SINGLE LINE DIAGRAM FOR MCC FOR LOCATION I		
FORMAT DRAWING NO. 252-0212-EMEL-DW00-0002		
A2	SCALE NTS	SHEET 3 OF 5
REVISION		A

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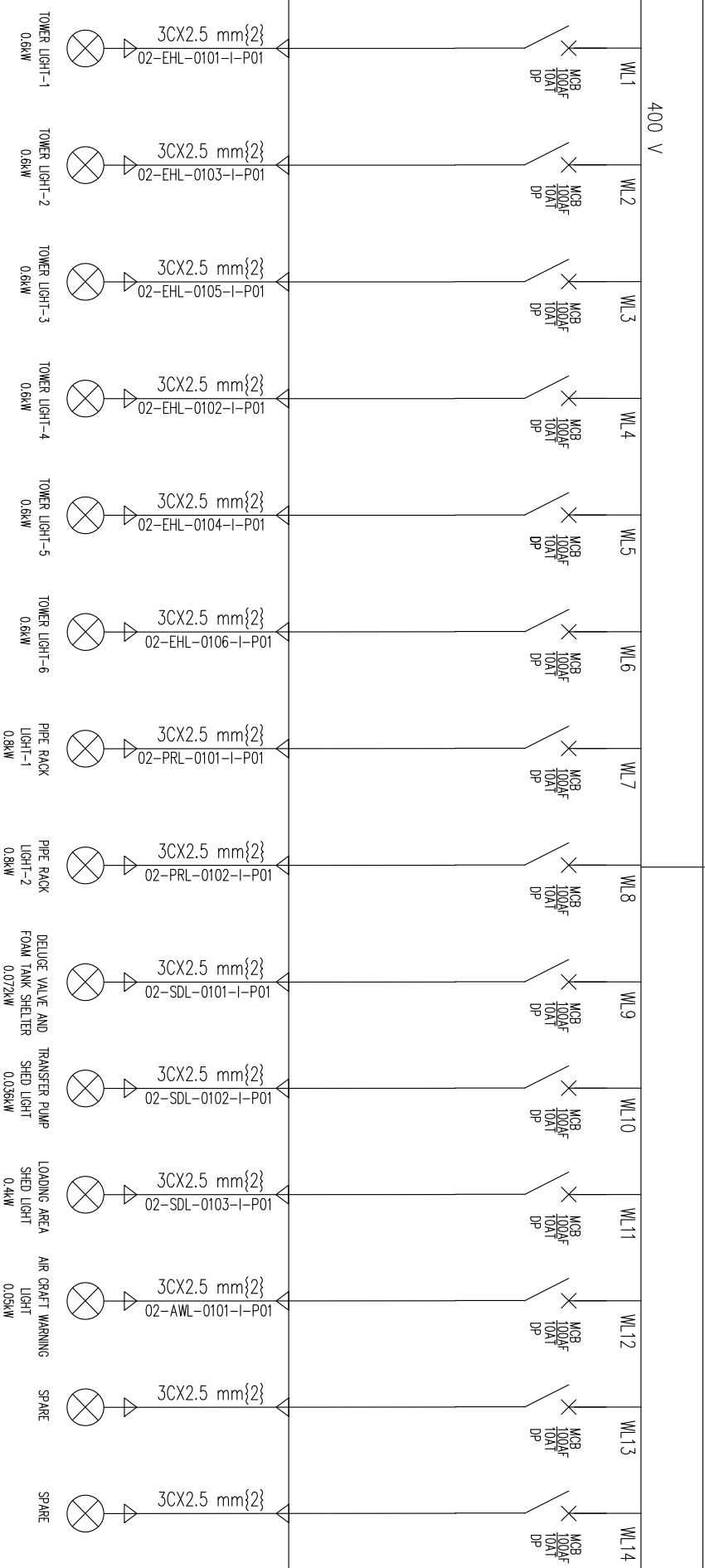
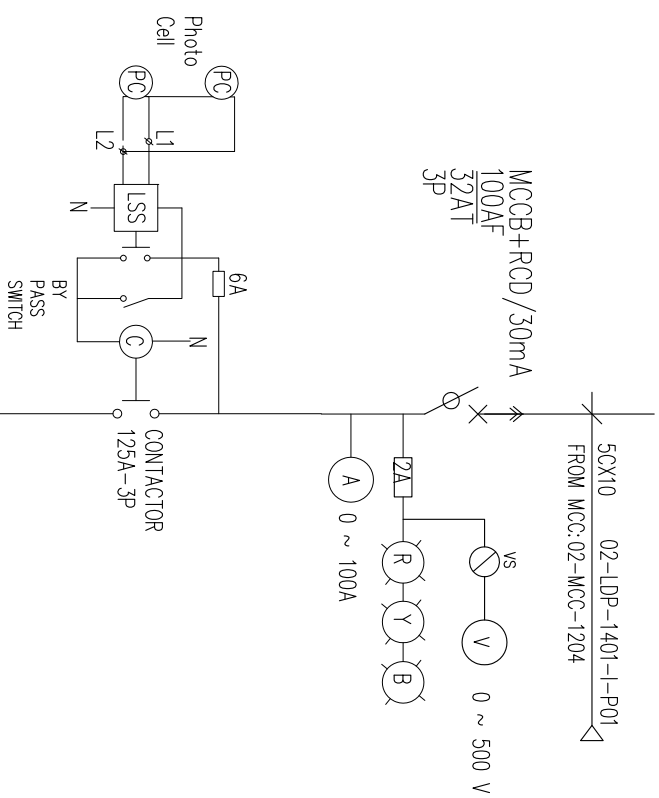
MOTOR CONTROL CENTER (MCC)



REV	DATE	APP'D
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REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		
FOR		
BANGLADESH GAS FIELDS COMPANY LIMITED		
ZICOM EQUIPMENT PTE. LTD. AND SINOPEC PETROLEUM ENGINEERING CORPORATION		
2 X 75 MMSD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT		
TITLE		
SINGLE LINE DIAGRAM FOR MCC FOR LOCATION I		
FORMAT DRAWING NO. 252-0212-EML-DM00-0002		
A2	SCALE	NTS
	SHEET	4 OF 5
	REVISION	A

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LIGHT PANEL



REV	DATE	APPR'D	
CLIENT APPROVAL			

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BANGLADESH GAS FIELDS COMPANY LIMITED

CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND

2 X 75	MMSCFD	TEG DEHYDRATION	TYPE	NATURAL GAS	PROCESS PLANT
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TITLE

FORMAT	DRAWING NO.			REVISION
	252-0212-EMCL-DW00-0002			
A2	SCALE	NTS	SHEET 5 OF 5	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A</div>







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NORMAL AND EMERGENCY LIGHT



NOTE
1. Loading arm shed lights (02-L-0125 & 02-L-0126)
200W, IP65

LEGEND

-  Explosion-Proof High Mast Light, High Voltage Sodium Lamp, Circular, 3X200W Exd IIB T4, IP65
-  Explosion-Proof High Mast Light, High Voltage Sodium Lamp, Sectoral, 3X200W Exd IIB T4, IP65
-  Explosion-proof Pipe Corridor Lights High Pressure Sodium Vapor Lamp, 100W Exd IIB T4, IP65
-  Shed Lights(Normal): Explosion-Proof Lamp, 2X18W Exd IIB T4, IP65
-  Shed Lights(Emergency), 2X18W
-  Aircraft Warning Light, 50W

REV	DATE	APPR'D
CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VG 20/5.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		



BANGLADESH GAS FIELDS COMPANY LIMITED

CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND
ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION

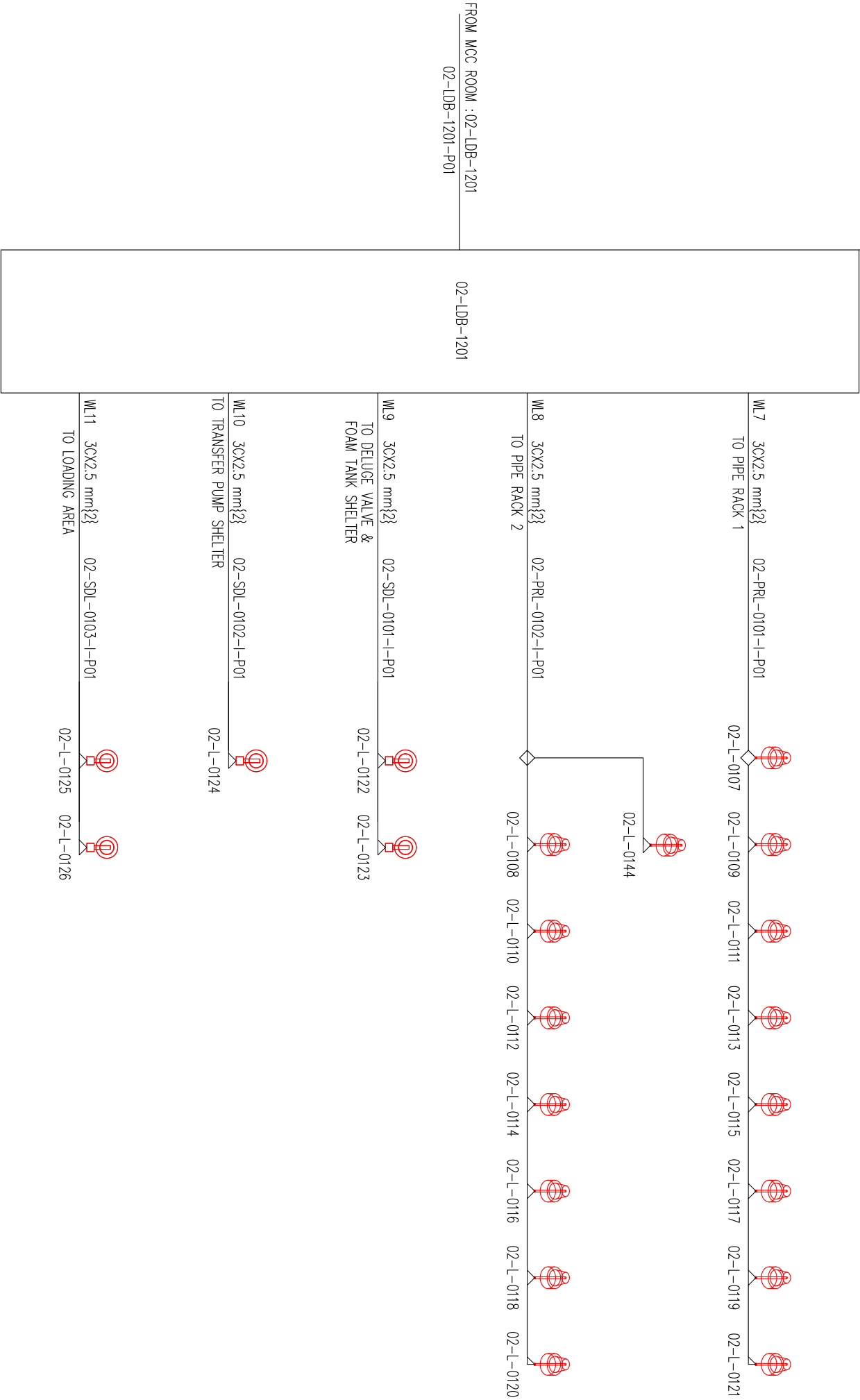
2 X 75 MMSD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

TITLE
SINGLE LINE DIAGRAM FOR PLANT LIGHTING FOR LOCATION I

FORMAT	DRAWING NO.	REVISION
A2	ZS2-0212-EHL-DM00-0003	A
SCALE	SHEET 1 OF 3	


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NORMAL AND EMERGENCY LIGHT





NOTE
1. Loading arm shed lights (02-L-0125 & 02-L-0126)
200W, IP65

LEGEND

 Explosion-Proof High Mast Light, High Voltage Sodium Lamp, Circular, 3X200W
Exd IIB T4, IP65




 Explosion-Proof High Mast Light, High Voltage Sodium Lamp, Sectoral, 3X200W
Exd IIB T4, IP65

 Explosion-proof Pipe Corridor Lights
High Pressure Sodium Vapor Lamp, 100W
Exd IIB T4, IP65

 Shed Lights(Normal):
Explosion-Proof Lamp, 2X18W
Exd IIB T4, IP65

 Shed Lights(Emergency), 2X18W

 Aircraft Warning Light, 50W

REV	DATE	APPR'D
CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VS 2015.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		
FOR		
 BANGLADESH GAS FIELDS COMPANY LIMITED		
 CONSORTIUM OF ZICOM EQUIPMENT PTE. LTD. AND SINOPEC PETROLEUM ENGINEERING CORPORATION		
2 X 75 MMSGD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT		
TITLE		
SINGLE LINE DIAGRAM FOR PLANT LIGHTING FOR LOCATION I		
FORMAT DRAWING NO. 252-0212-EME-DMO-0003		
A2	SCALE	SHEET 2 OF 3
REVISION		

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EMERGENCY LIGHT



LEGEND

Shed Lights(Emergency), 2X18W



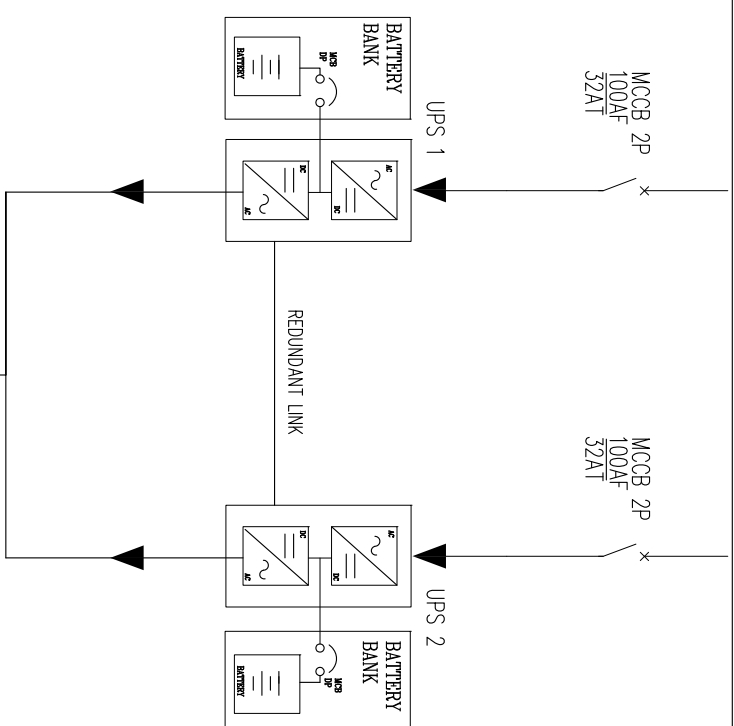
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CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VG 2015.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		
FOR		
BANGLADESH GAS FIELDS COMPANY LIMITED		
		
CONSORTIUM OF ZICOM EQUIPMENT PTE. LTD. AND ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION		
		
2 X 75 MASSTD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT		
TITLE		
SINGLE LINE DIAGRAM FOR PLANT LIGHTING FOR LOCATION I		
FORMAT DRAWING NO.		
A2	SCALE 252-0212-EME-DMO-0003	SHEET 3 OF 3
		REVISION
		A

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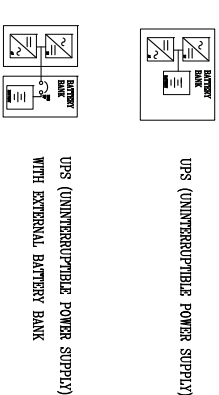
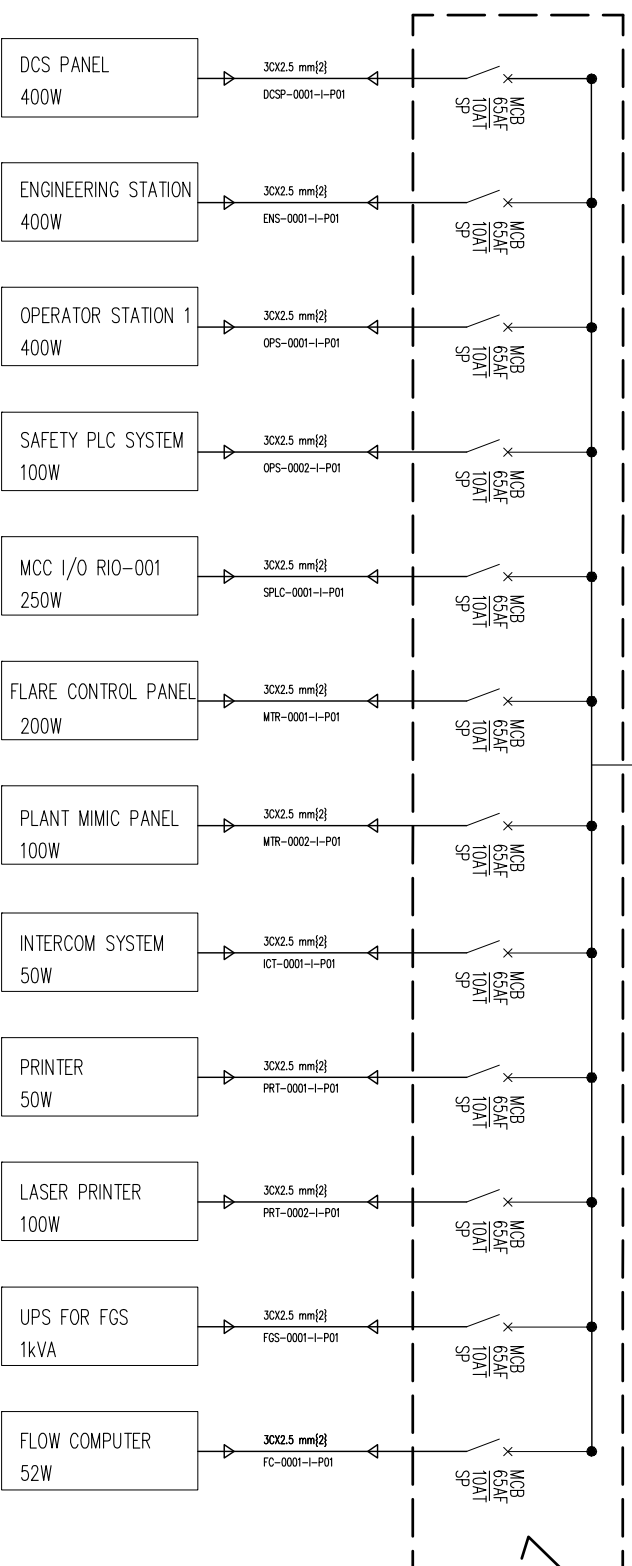
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UPS System

230 VAC, 50HZ, 1PH, PE, 3W



UPS 1 & 2 FOR VITAL USERS
6 KVA 230V AC, 1PH, 3 WIRE, 50HZ
BACK UP TIME 8 HOURS



REV	DATE	APPR'D	CLIENT APPROVAL			
A	ISSUED FOR APPROVAL	AS	WH	WG	2015.10.28	
REV	DESCRIPTION	PREF'D	CHK'D	APP'D	DATE	
REVISIONS						

BANGLADESH GAS FIELDS COMPANY LIMITED

CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND

ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION

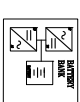
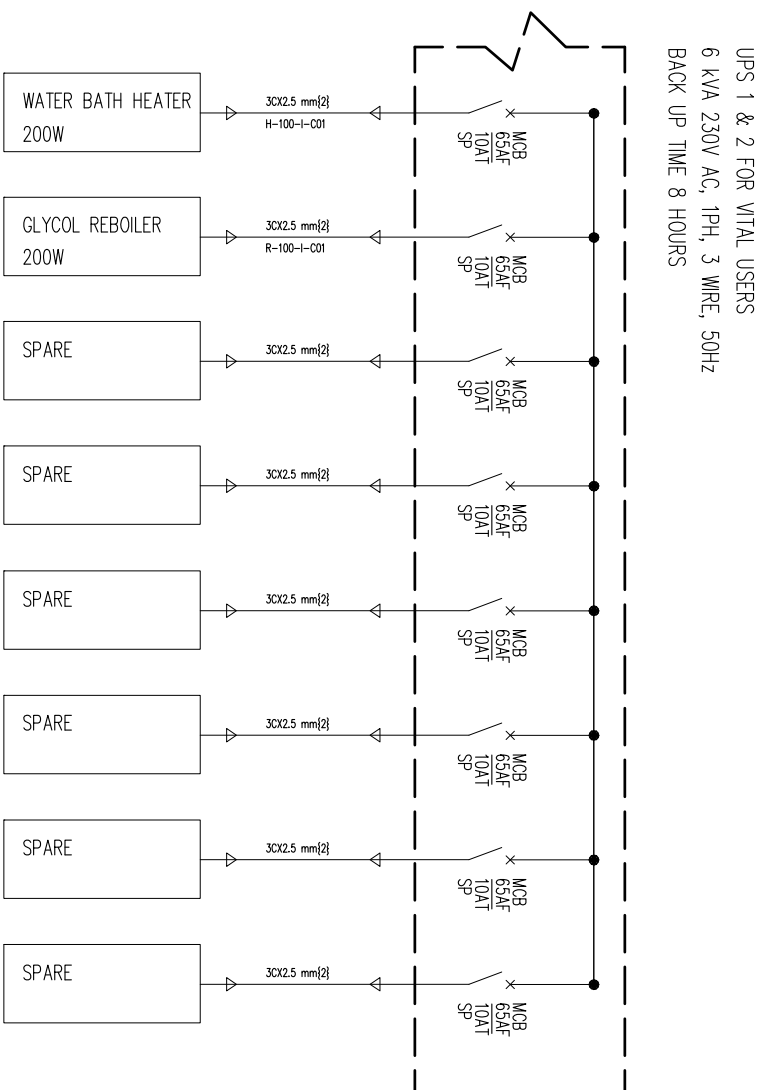
2 X 75 MMSCFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

UPS SYSTEM DIAGRAM FOR MCC FOR LOCATION

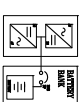
FORMAT	DRAWING NO.			REVISION
	252-0212-EMCL-DW00-0002			
A3	SCALE	NTS	SHEET 1 OF 4	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A</div>

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UPS System



UPS (UNINTERRUPTIBLE POWER SUPPLY)



UPS (UNINTERRUPTIBLE POWER SUPPLY)
WITH EXTERNAL BATTERY BANK

REV	DATE	APPR'D	CLIENT APPROVAL			
A	ISSUED FOR APPROVAL	AS	MH	WG	2015.10.28	
REV	DESCRIPTION	PREP'D	CHK'D	APP'D	DATE	
REVISIONS						

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BANGLADESH GAS FIELDS COMPANY LIMITED



CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD
AND



2 X 75 MMSCFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

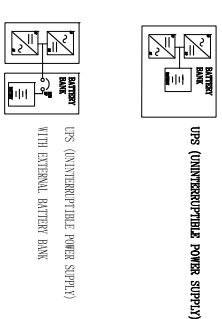
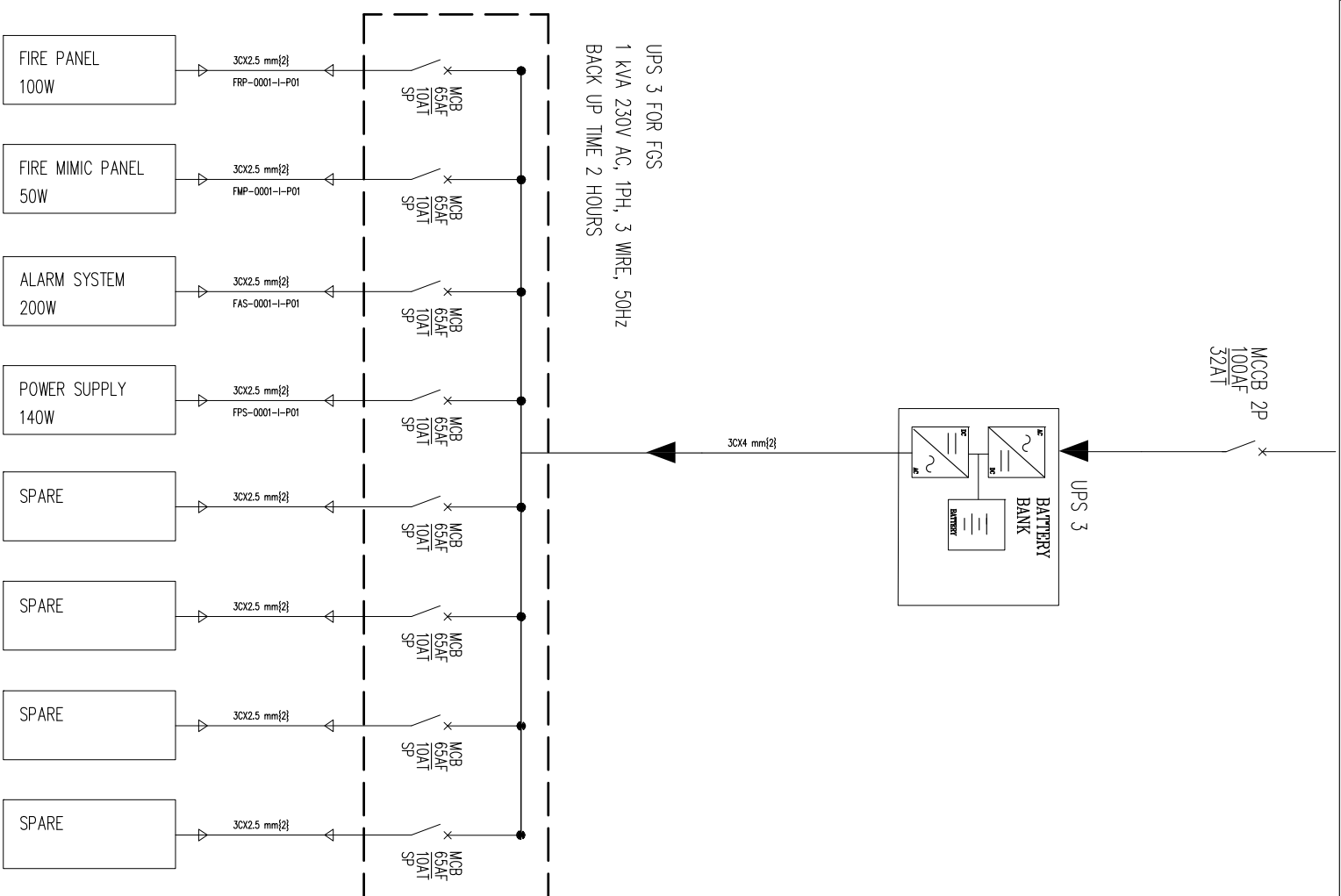
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FORMAT A3	DRAWING NO. Z52-0212-EM1-DW00-0002			REVISION A
	SCALE	NTS	SHEET 2 OF 4	

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UPS System

230 VAC, 50HZ, 1PH, PE, 3W



REV	DATE	CLIENT APPROVAL	APPR'D	
A	ISSUED FOR APPROVAL	AS	MH	VC
REV	DESCRIPTION	PREP'D	CHK'D	APP'D
				DATE

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CONSORTIUM OF
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AND

AND
SINOPEC PETROLEUM ENGINEERING CORPORATION
ZICOM

2 X 75	MNSCFD TEG DEHYDRATION TYPE	NATURAL GAS PROCESS PLANT
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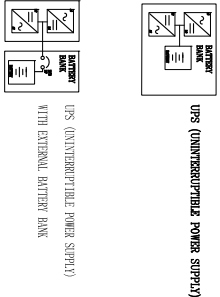
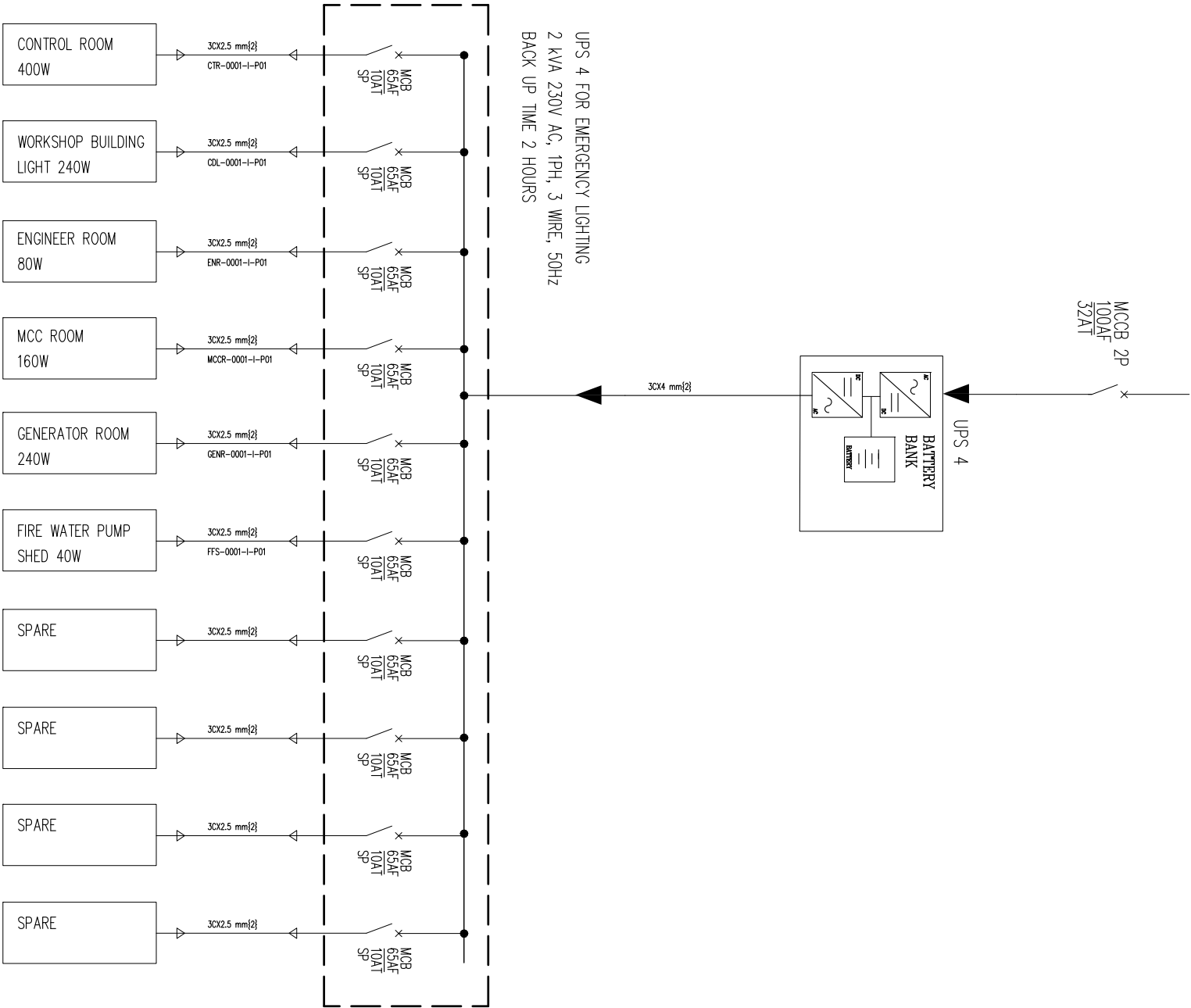
UPS SYSTEM DIAGRAM FOR MCC FOR LOCATION

FORMAT	DRAWING NO.		REVISION
	252-0212-EMEL-DW00-0002		
A3	SCALE	NIS	SHEET 3 OF 4
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UPS System

230 VAC, 50HZ, 1PH, PE, 3W



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		CLIENT APPROVAL
A	ISSUED FOR APPROVAL	AS MH VC 2015.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
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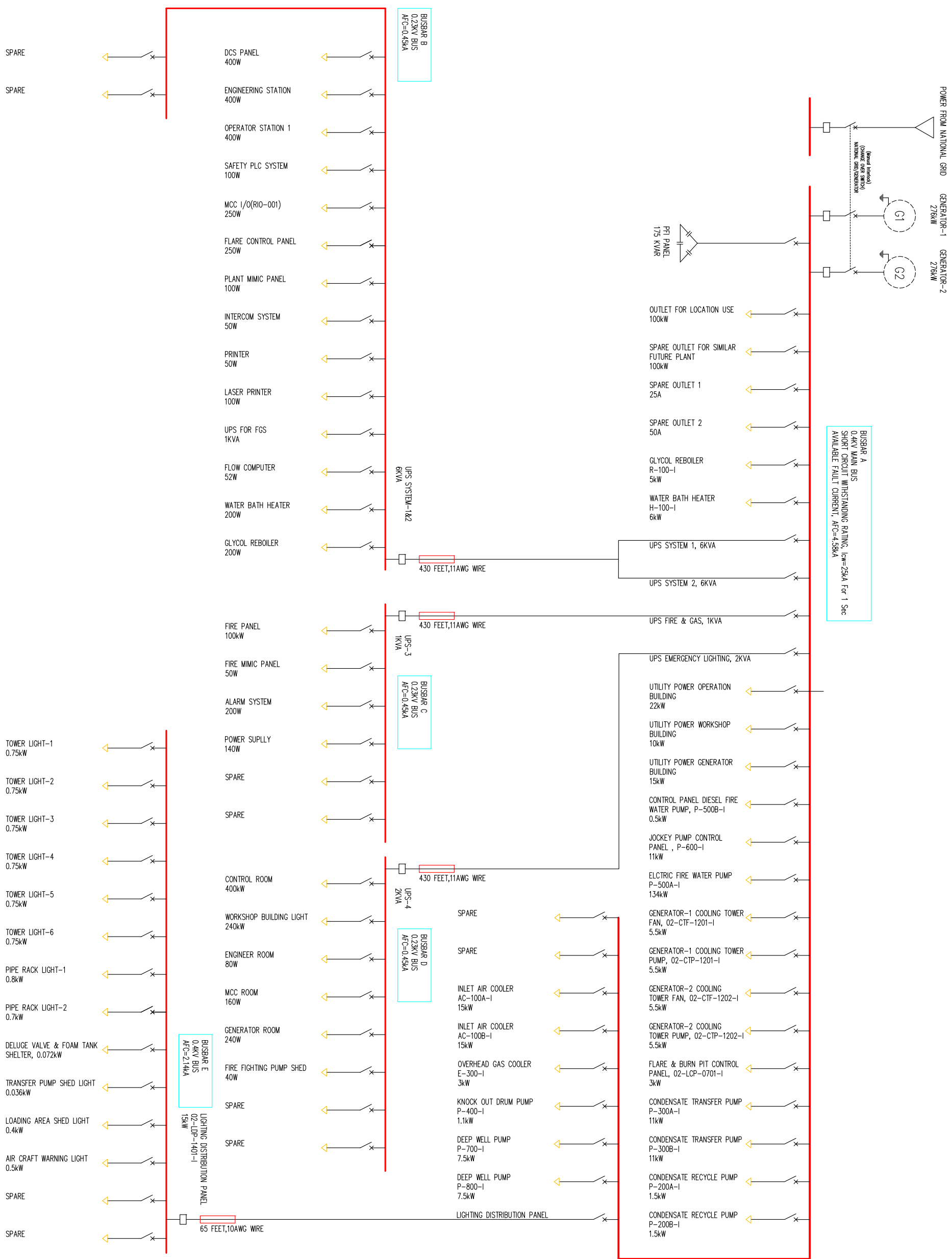
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TITLE
UPS SYSTEM DIAGRAM FOR MCC FOR LOCATION I

FORMAT	DRAWING NO.	REVISION
A3	282-0212-EML-DM00-0002	A
SCALE	NTS	SHEET 4 OF 4

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POWER DISTRIBUTION SYSTEM



NOTE

Short Circuit Withstanding Rating(SCWR)

Available Fault Current(AFC)

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A	ISSUED FOR APPROVAL	AS	MH	VC
REV	DESCRIPTION	PREP'D	CHK'D	APP'D
				DATE

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AND

2	* 75	MMSQD TEG DEHYDRATION TYPE	NATURAL GAS PROCESS PLANT
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POWER DISTRIBUTION PANEL FOR LOCATION 1

FORMAT	DRAWING NO		REVISION
A2	252-0214-EMEL-DW00-0008-1		
SCALE	NIS	SHEET 1 OF 1	A

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NOTE

1. Cable trays are stacked on top of each other at an elevation of 0.5m from each other. The Power Cable Tray stands at an elevation of 3.9m and the Instrumentation cable tray stands at an elevation of 4.4m.
2. This layout is subject to change as per site conditions.


LEGEND

- Cable trench, 800 W X 1200 D
- Cable tray (Power), 400 W X 200 D
- Cable tray (Instrumentation), 400 W X 150 D
- Conduit

REV	DATE	APPR'D
		CLIENT APPROVAL

REV	DESCRIPTION	PREP'D	CHK'D	APP'D	DATE
A	ISSUED FOR APPROVAL	AS	MM	VC	2015.10.28
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SINOPEC PETROLEUM ENGINEERING CORPORATION

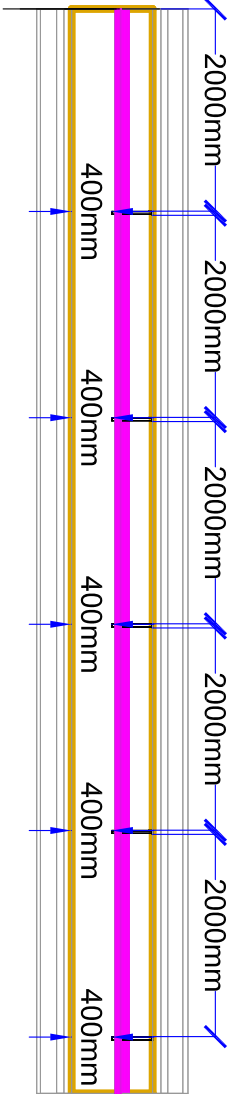
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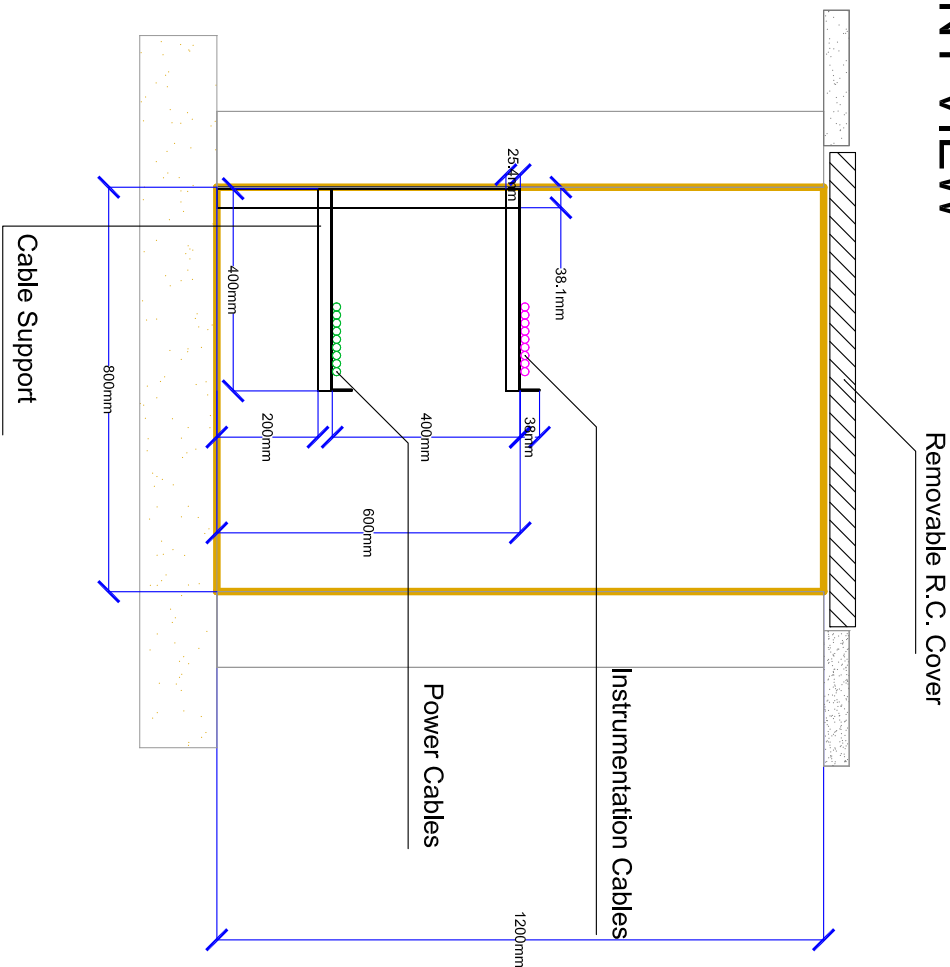
ELECTRICAL CABLE TRAY LAYOUT FOR LOCATION I

FORMAT	DRAWING NO.	252-0201-EML-0MW-0001	REVISION
A2	SCALE	1:750	SHEET 1 OF 2
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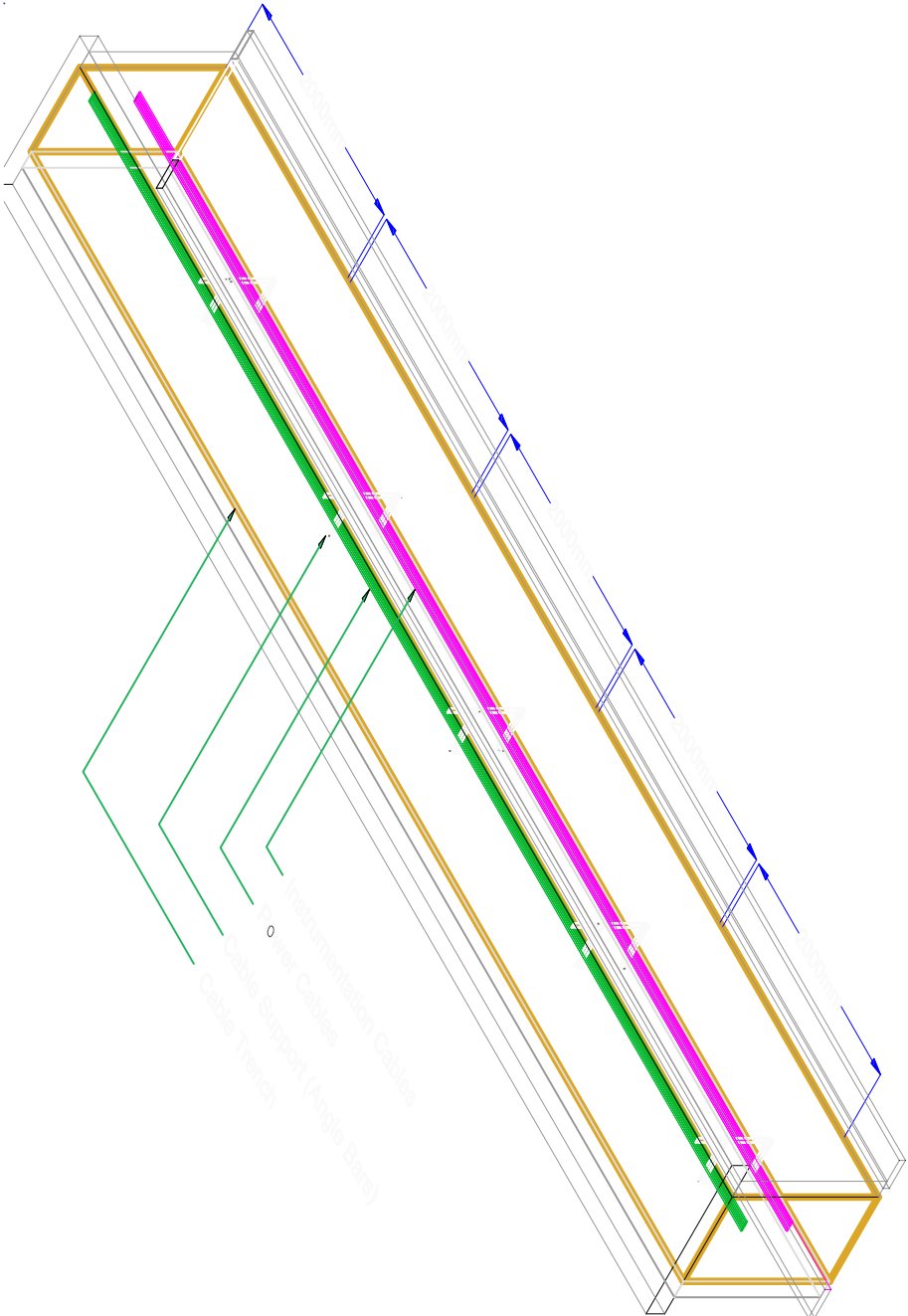
TOP VIEW






FRONT VIEW



ISOMETRIC VIEW







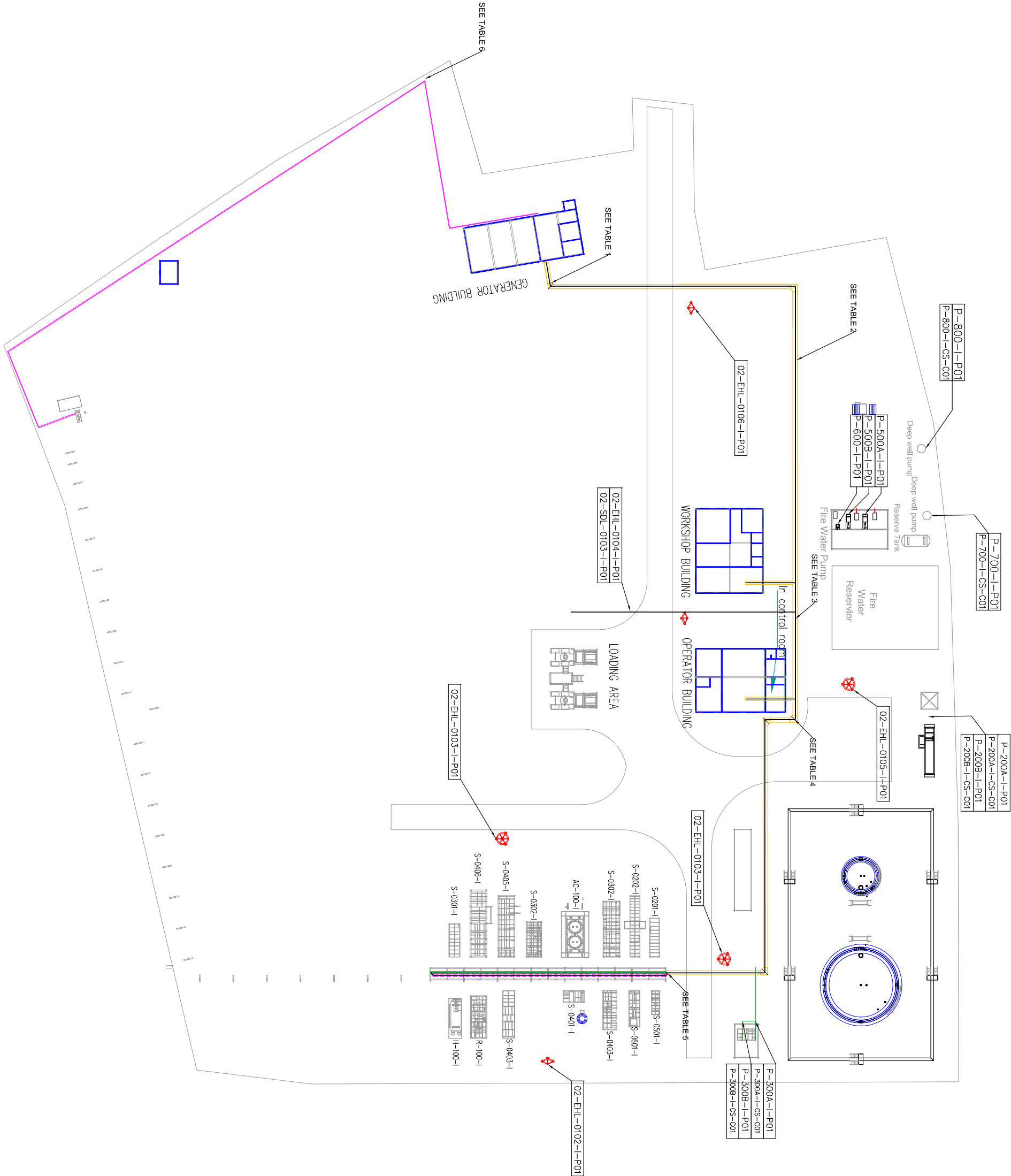
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REVISIONS						
FOR						
BANGLADESH GAS FIELDS COMPANY LIMITED						
						
CONSORTIUM OF ZICOM EQUIPMENT PTE. LTD. AND ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION						
						
2 X 75 MWSPD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT						
TITLE ELECTRICAL CABLE TRAY LAYOUT FOR LOCATION I						
FORMAT DRAWING NO. 234-020-ELE-0W0-001						
A2	SCALE	NIS	SHEET 2 OF 2	REVISION		
						
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NOTE

1. For detailed Process Unit cable route, refer to sheet 3
2. This layout is subject to change as per site conditions.

LEGEND

-  Explosion-Proof High Mast Light, High Voltage
Exd IIB T4, IP65
-  Sodium Lamp, Circular, 3X200W
-  Explosion-Proof High Mast Light, High Voltage
Exd IIB T4, IP65
-  Sodium Lamp, Sectoral, 3X200W



REV	DATE	APPR'D
		CLIENT APPROVAL

REV	DESCRIPTION	PREP'D	CHK'D	APP'D	DATE
A	ISSUED FOR APPROVAL	AS	MM	VC	2015.10.28
REV	DESCRIPTION	PREP'D	CHK'D	APP'D	DATE
REVISIONS					



BANGLADESH GAS FIELDS COMPANY LIMITED

CONSORTIUM OF
ZICOM EQUIPMENT PTE. LTD.
AND
ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION

2 X 75 MISSED TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

ELECTRICAL CABLE TRAY LAYOUT FOR LOCATION I

FORMAT	DRAWING NO.	252-0201-EML-0000-0002	REVISION
A2	SCALE	1:750	SHEET 1 OF 3

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R-100-I-P01
H-100-I-P01
02-UPS-1201-I-P01
02-UPS-1202-I-P01
02-UPS-1203-I-P01
02-UPS-1204-I-P01
UP0B-I-P01
UPWB-I-P01
P-500A-I-P01
P-500B-I-P01
P-500A-I-CS-C01
P-600-I-P01
LCP-0701-I-P01
P-500A-I-CS-C01
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P-300B-I-CS-C01
P-300B-I-P01
P-200A-I-CS-C01
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SPLC-0001-I-P01
MTR-0001-I-P01




R-100-I-P01
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UPWB-I-P01
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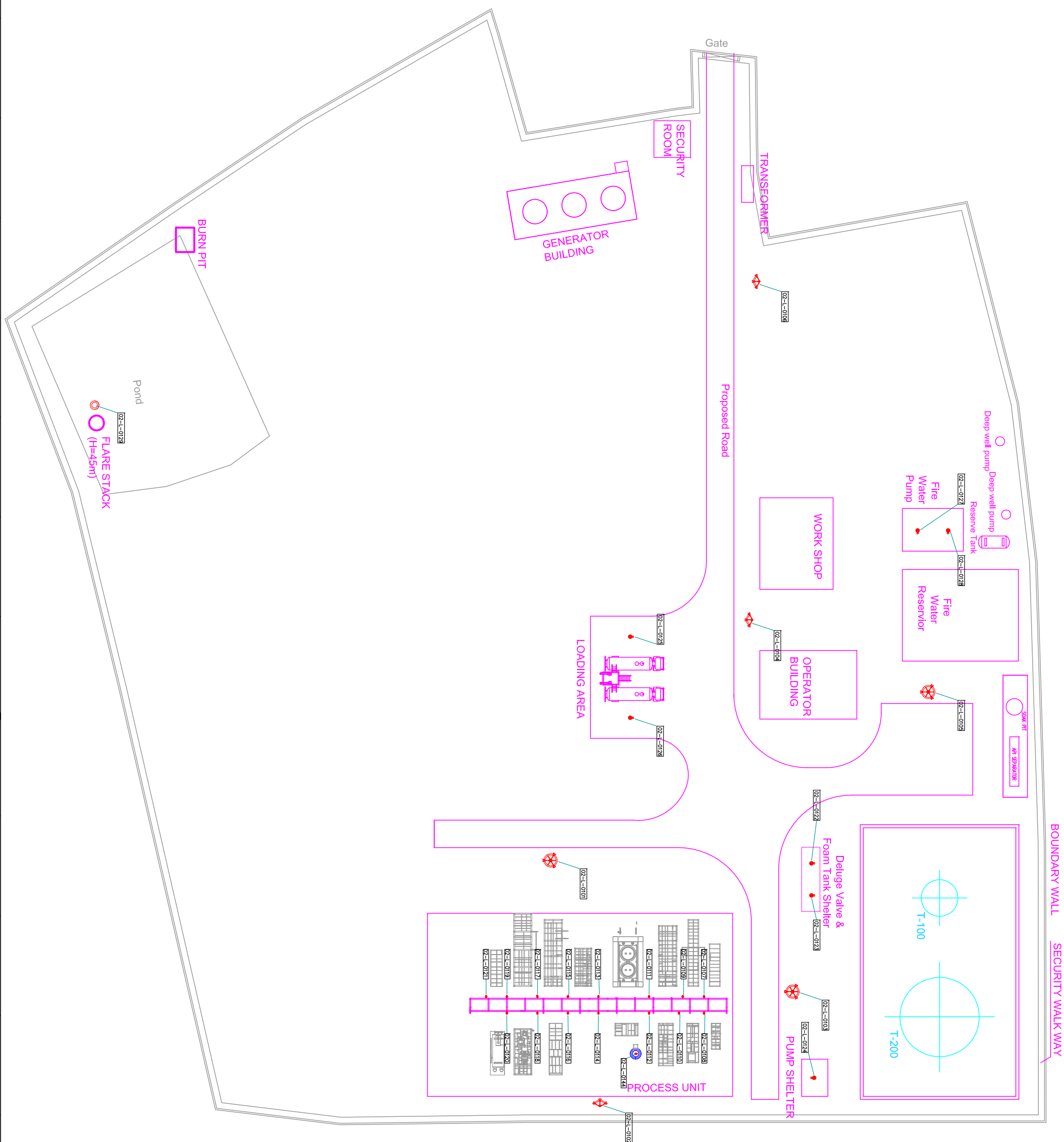
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
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REVISIONS		
FOR		
<div><div></div><div><div>BANGLADESH GAS FIELDS COMPANY LIMITED</div></div></div>		
<div><div><div><div></div><div>ZICOM SINOPEC PETROLEUM ENGINEERING CORPORATION AND</div><div></div></div></div><div><div>2 X 75 UNSPEC TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT</div></div></div>		
TITLE ELECTRICAL CABLE TRAY LAYOUT FOR LOCATION I		
FORMAT DRAWING NO. 252-0201-EML-0W0-0002		
A2	SCALE	NTS SHEET 2 OF 3
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NOTE

1. Loading arm shed lights (02-L-0125 & 02-L-0126) 200W, IP65

LEGEND

- | | |
|---|--|
|  | Explosion-Proof High Most Light, High Voltage
Sodium Lamp, Circular, 3X200W
Exd IIB T4, IP65 |
|  | Explosion-Proof High Most Light, High Voltage
Sodium Lamp, Sectoral, 3X200W
Exd IIB T4, IP65 |
|  | Explosion-proof Pipe Corridor Lights
High Pressure Sodium Vapor Lamp, 100W
Exd IIB T4, IP65 |

- | | |
|---|---|
|  | <p>Shed Lights(Normal):
Explosion-Proof Lamp, 2X18W</p> |
|  | <p>Exd IIb T4, IP65</p> |
|  | <p>Shed Lights(Emergency), 2X18W</p> |
|  | <p>Aircraft Warning Light, 50W</p> |

REV	DATE	APPR'D	CLIENT APPROVAL	
A	ISSUED FOR APPROVAL	AS	MH	VC
REV	DESCRIPTION	PREF'D	CHK'D	APP'D
REVISIONS				
				2015.10.28

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BANGLADESH GAS FIELDS COMPANY LIMITED



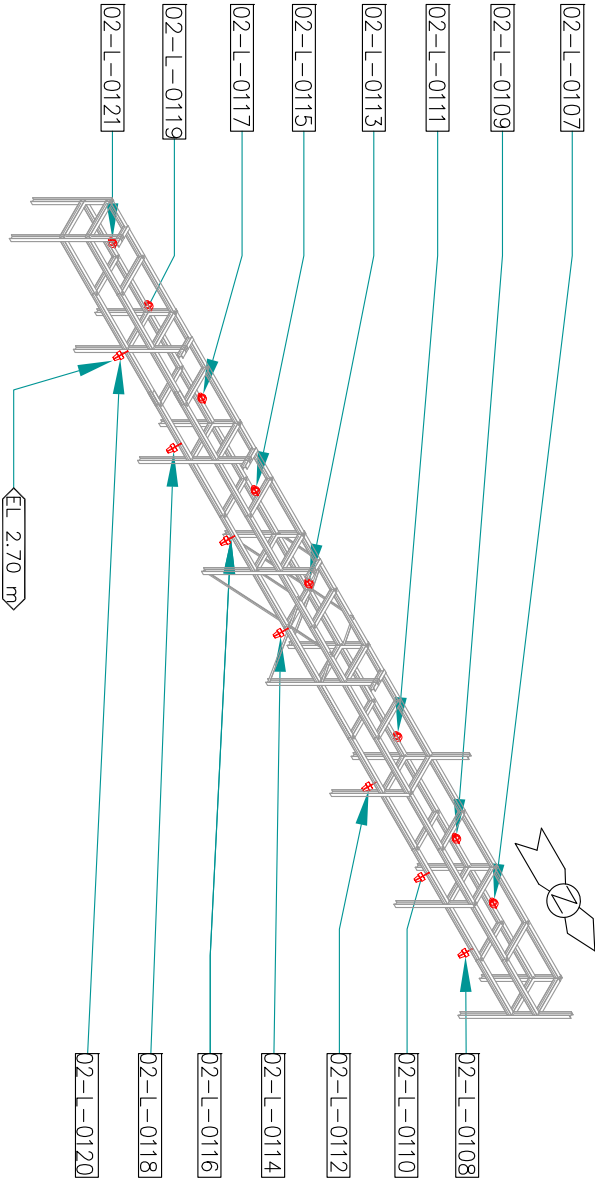
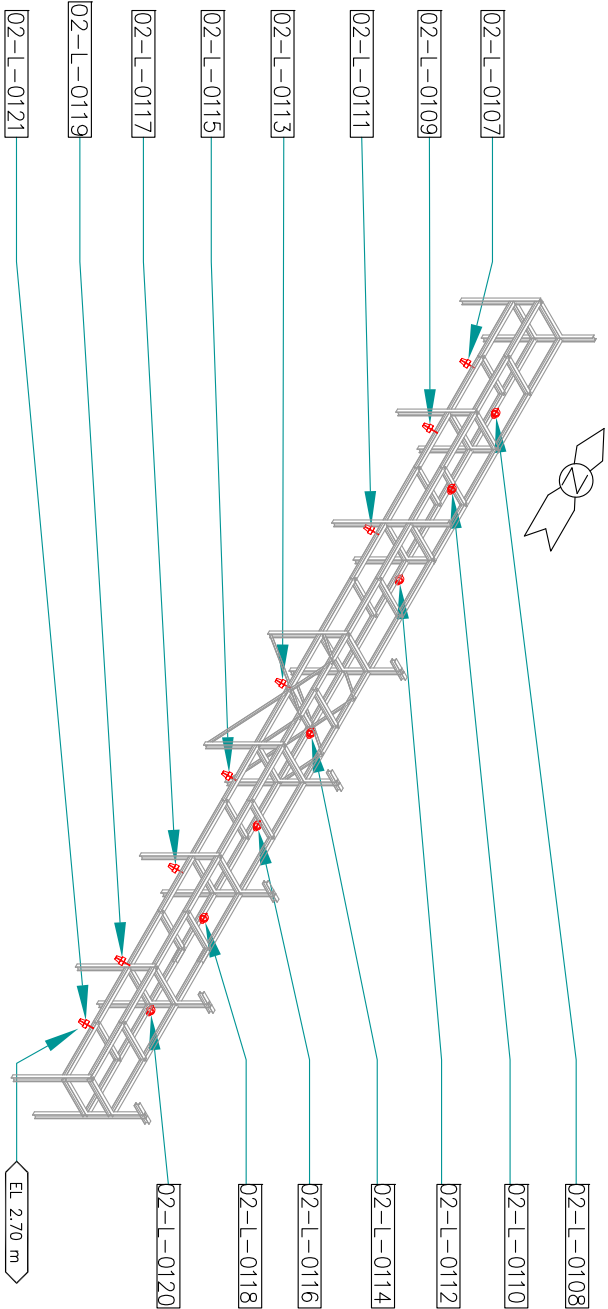
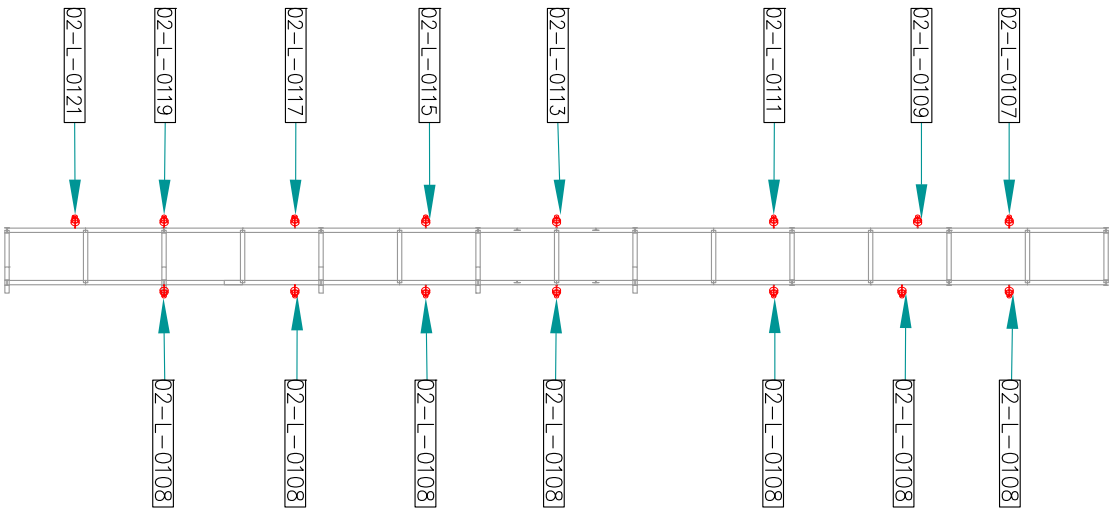
CONSORTIUM OF
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AND
SINOPEC PETROLEUM ENGINEERING CORPORATION

2 X 75 MMSCFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

ELECTRICAL EQUIPMENT LAYOUT FOR LIGHTING SYSTEM FOR LOCATION

FORMAT	DRAWING NO.		REVISION
A2	252-0201-EMF-DW00-0004		
SCALE	1:750	SHEET 1 OF 2	

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LEGEND

Explosion-proof Pipe Corridor Lights
High Pressure Sodium Vapor Lamp, 100W
Exd IIB T4, IP65



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AND
SINOPEC PETROLEUM ENGINEERING CORPORATION

2 X 75 MMSCFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

TITLE
ELECTRICAL EQUIPMENT LAYOUT FOR LIGHTING SYSTEM FOR LOCATION I

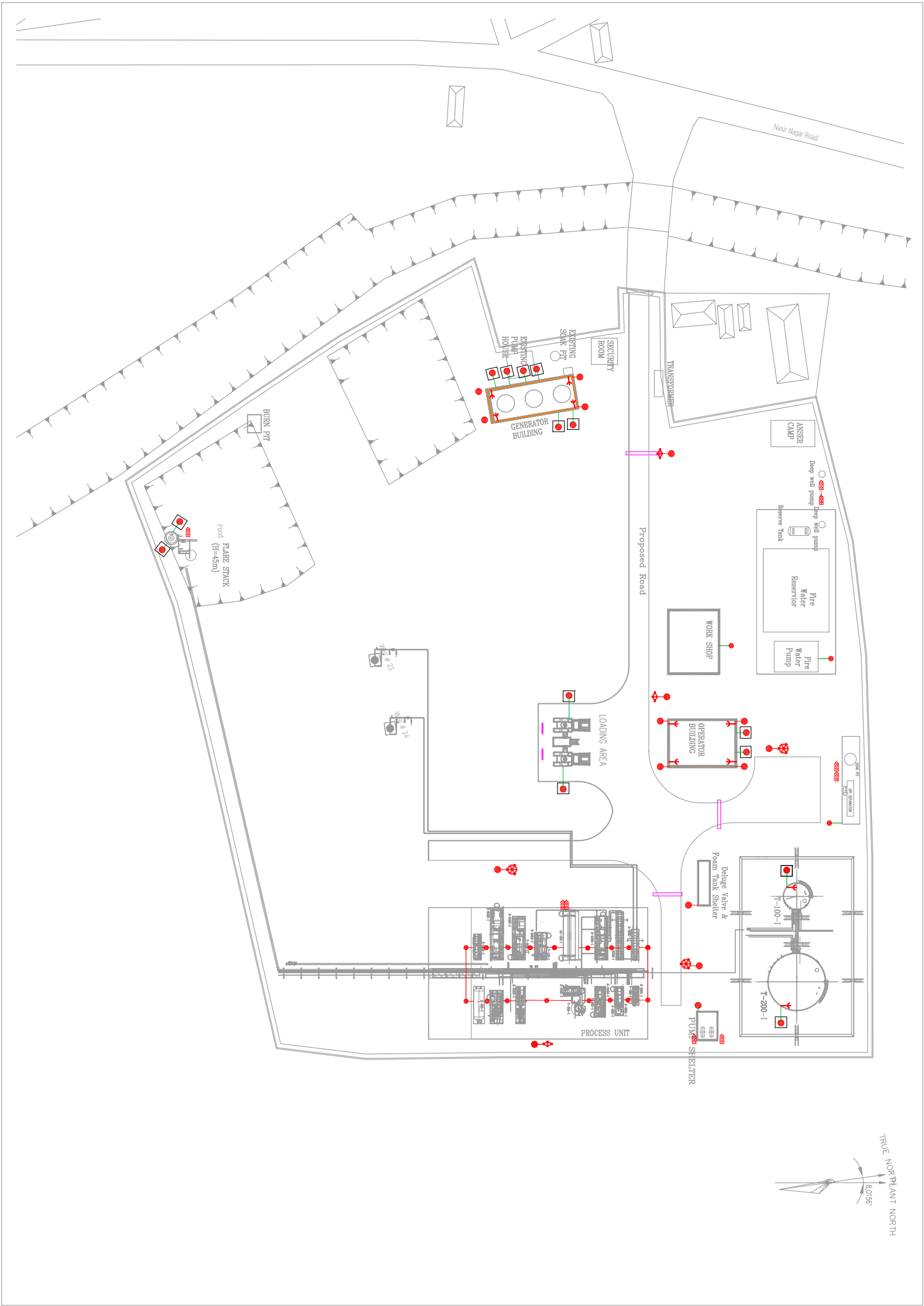
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FOR REVISIONS

FORMAT	DRAWING NO.	REVISION
A2	252-0201-EMEL-0M00-0004	A

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- LEGEND
- High Mast Light
3x200W
- Copper cable, 1X95 Sq.mm
- Stranded PVC insulated copper cable
1X16 Sq.mm
- Grounding Rod, Dia. 25mm
- Earthing Pit
- Lightning Arrestor

REV	DATE	APP'D
CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VG 20/5.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		

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SINOPEC PETROLEUM ENGINEERING CORPORATION

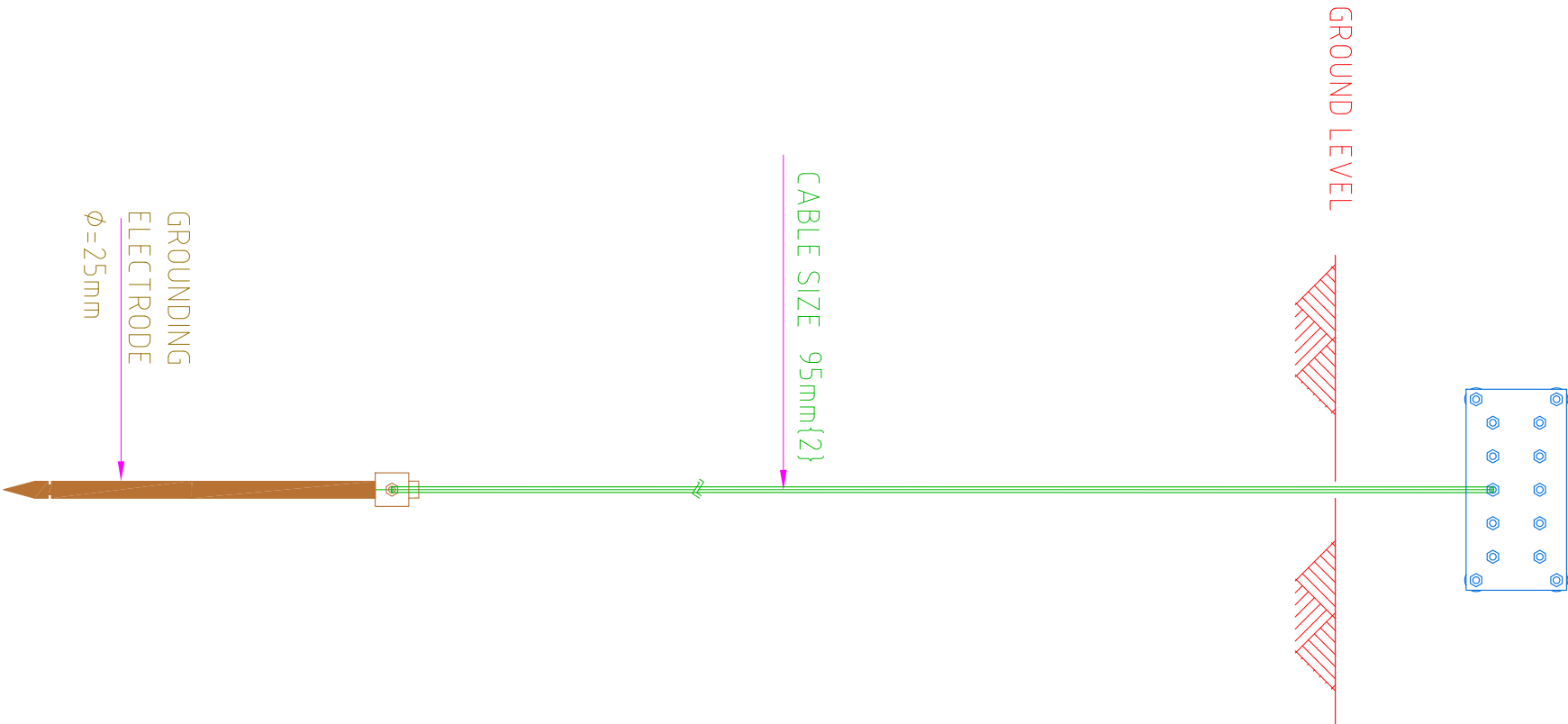
2 X 75 MMSFD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

TITLE
ELECTRICAL EARTHING LAYOUT FOR LOCATION I

FORMAT DRAWING NO.			REVISION	
A2	SCALE	252-0201-EME-0W0-0006 1:1000	SHEET 1 OF 2	<div>A</div>

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EARTHING BUS BAR / SKID



REV	DATE	APP'D
CLIENT APPROVAL		
A	ISSUED FOR APPROVAL	AS MH VG 2015.10.28
REV	DESCRIPTION	PREP'D CHK'D APP'D DATE
REVISIONS		

FOR

**BANGLADESH GAS FIELDS COMPANY LIMITED**

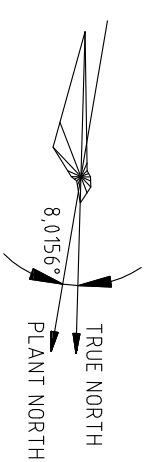
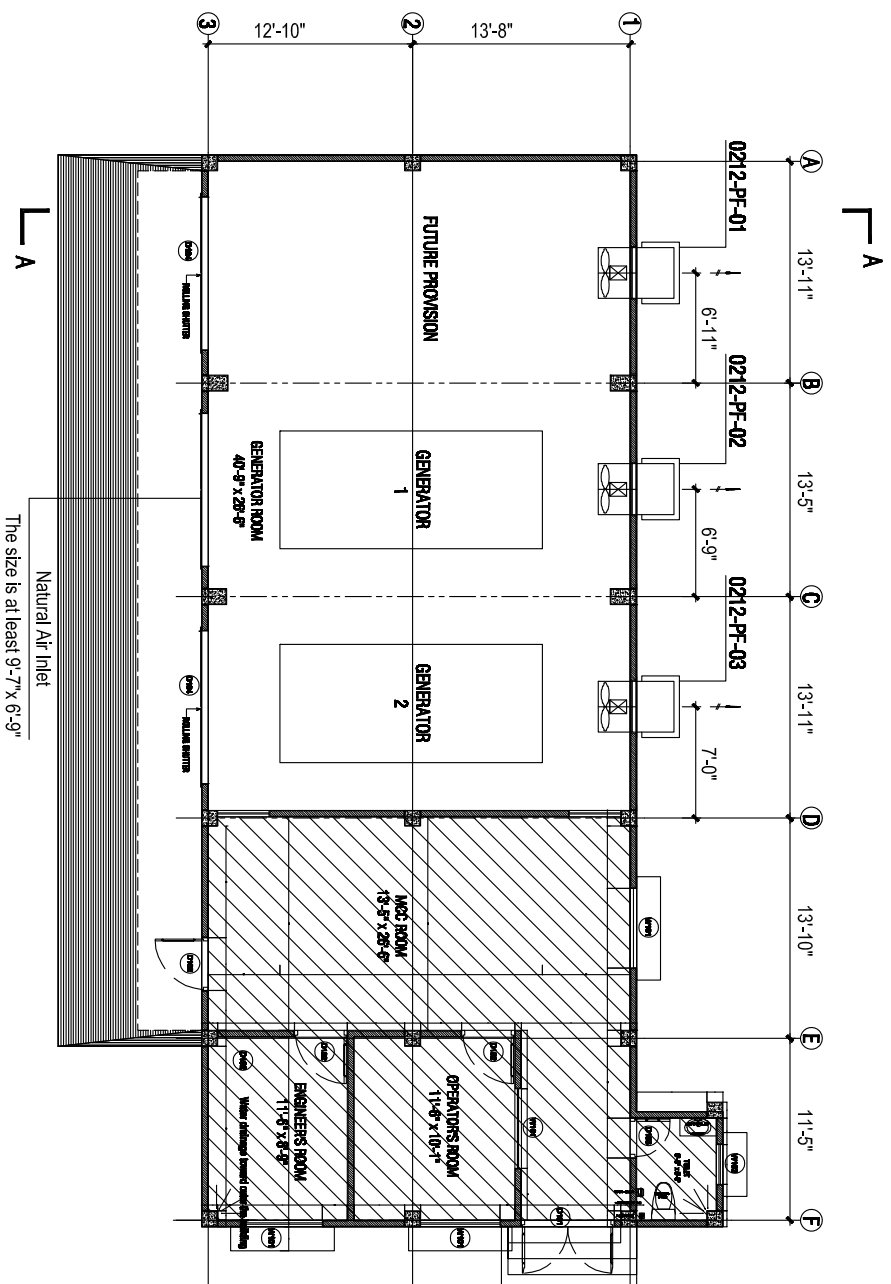
**CONSORTIUM OF
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AND
SINOPEC PETROLEUM ENGINEERING CORPORATION**

2 X 75 MMSGD DEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT

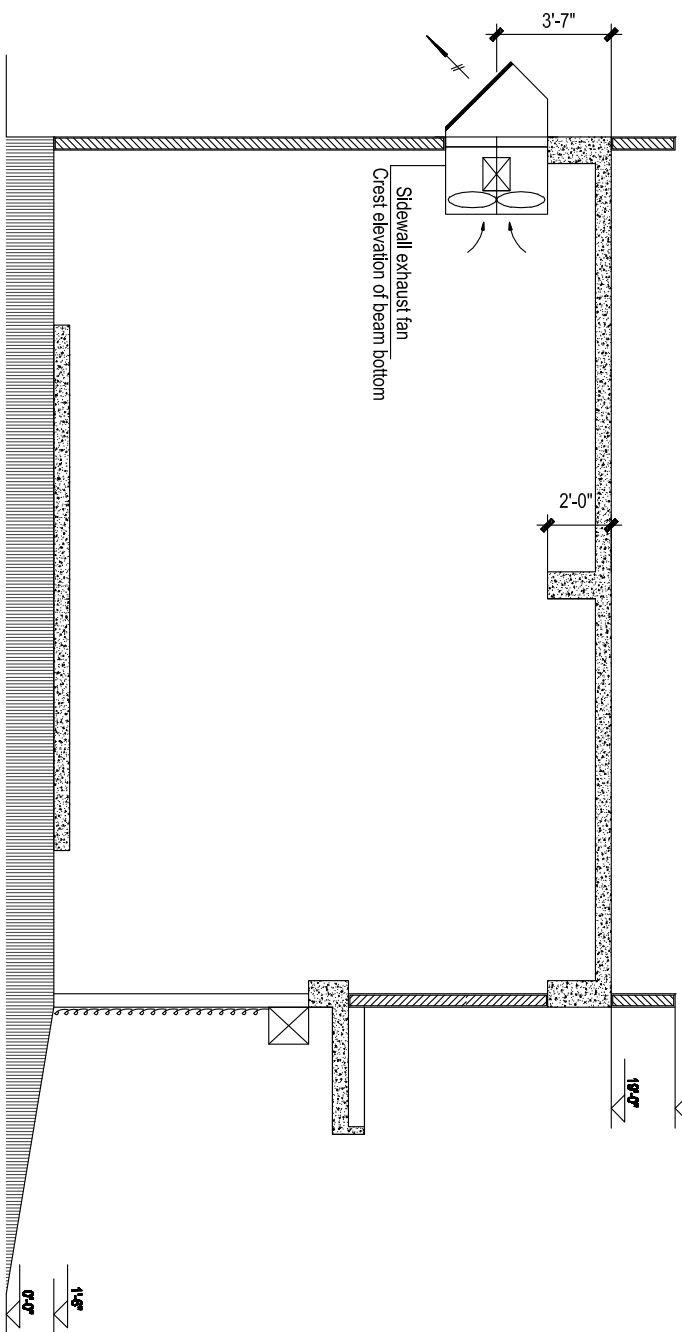
TITLE
ELECTRICAL EARTHING LAYOUT FOR LOCATION I

FORMAT DRAWING NO.				REVISION	
A2	SCALE	252-0201-EML-0W0-0006	1:1000	SHEET	2 OF 2
					

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VENTILATING SYSTEM ARRANGEMENT FOR GENERATOR ROOM, L-1 1:100






SECTION A-A 1:50

NO.	EQUIPMENT NO.	DESCRIPTION	UNIT	QUANTITY	REMARK
1	0212-PF-01~04	Sidewall exhaust fan	set	3	400V, 2.2kW
		Crest elevation of beam bottom			
		Wall opening size is 1000X1000mm			
		Volume:18300m³/h; Static Pressure: 230Pa			
		Speed: VTA			
		Accessories: 45° weather cover,			
		Gravity back-draft damper,			
		Stainless steel insectscreen,			
		Safety protective screening			

REV	DATE	CUSTOMER APPROVAL	APPROVED
TITLE			
A	ISSUED FOR APPROVAL	AS	MH VG
REV	DESCRIPTION	PREF'D	CHK'D APP'D DATE
FOR	REVISIONS		
BANGLADESH GAS FIELDS COMPANY LIMITED			
			
ZICPM	SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZIMCO EQUIPMENT PTE. LTD.		
CONSORTIUM OF			
2 X 75 MMSD TEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT			
VENTILATING SYSTEM ARRANGEMENT FOR GENERATOR ROOM, L-1			
FORMAT	DRAWING NO.	REVISION	
A3	SCALE 1:100 SHEET 1 OF 1 252-02-12-EHMV-D/MO-0001		

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		CONSORTIUM OF ZIOM EQUIPMENT PTE. LTD. AND SINOPEC PETROLEUM ENGINEERING CORPORATION		
2 X 75 MWSD IEG DEHYDRATION TYPE NATURAL GAS PROCESS PLANT				
TITLE VENTILATING SYSTEM ARRANGEMENT FOR GENERATOR ROOM, L-1				
FORMAT	DRAWING NO. 252-02-12-ENH-VI000-0001			REVISION
A3	SCALE 1:100	SHEET 1	OF 1	
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