

AREA LIGHTING & SMALL POWER LAYOUT

NOTES

LEGEND

REFERENCE DRAWING

DRG. No.

UNIT PLOT PLAN DRAWING

BK-GCS-PEDCO-120-PI-PY-0001

SPECIFICATION FOR LIGHTING & SMALL POWER SYSTEM

BK-GNRL-PEDCO-000-EL-EP-0007

TYPICAL INSTALLATION DETAILS & NOTES FOR LIGHTING SYSTEM

BK-GNRL-PEDCO-000-EL-DW-0003

TYPICAL INSTALLATION DETAILS & NOTES FOR POWER SYSTEM

BK-GNRL-PEDCO-000-EL-DW-0004

CALCULATION NOTE FOR OUTDOOR AREA LIGHTING SYSTEM

BK-GCS-PEDCO-120-EL-CN-0001

LIGHTING & SMALL POWER LAYOUT FOR BUILDING & SHEDDER

BK-GCS-PEDCO-120-EL-PY-0004



DISTRIBUTION & LIGHTING PANELS SINGLE LINE DIAGRAM

BK-GCS-PEDCO-120-EL-SL-0004

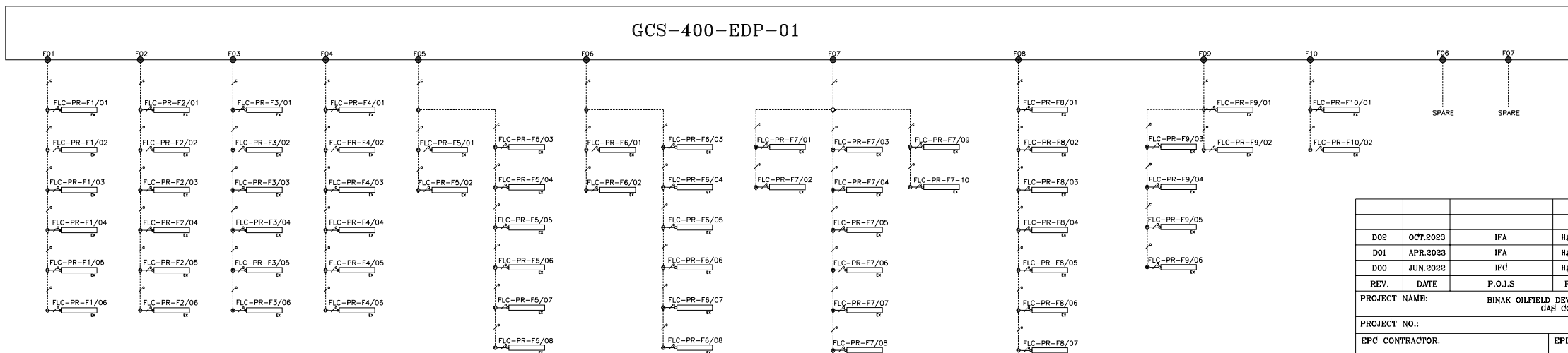
HAZARDOUS AREA CLASSIFICATION LAYOUT

BK-GCS-PEDCO-120-SA-PY-0002

KEY PLAN

D02	OCT.2023	IFA	H.SHAKIBA	M.FAKHARIAN	S.FARMAKZPOUR	** **	***	*****	** **	*** **	** **	*** **										
D01	APR.2023	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **	REV.	DESCRIPTION	BY	DATE	BY	DATE										
D00	JUN.2022	IPC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **			CHECKED		REV.	APPR.										
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS															
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION															
PROJECT NO.:							971020															
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION																
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY																			
						DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.												
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED															
AREA LIGHTING & SMALL POWER LAYOUT							APPROVED FOR CONSTRUCTION		BY:		DATE:											
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION									
N.T.S	A3	BK-GCS-PEDCO-120-EL-PY-0003			01 OF 05	D02	053-073-8184	F	2	P	708048	01 OF 05	D02									

(VENDOR TITLE BLOCK)**


















#	TYPE OF CABLE	CABLE TAG
1	3X2.5mm2, CU/PVC/PVC	a
2	3X4mm2, CU/PVC/PVC	b
3	3X6mm2, CU/XLPE/LC/SWA/PVC	c
4	3X6mm2, CU/XLPE/SWA/PVC	d
5	5X10mm2, CU/XLPE/LC/SWA/PVC	e

NOTES

- 1- ALL CABLES SHALL BE FIXED TO PANEL BY GLAND.
- 2- ELECTRICAL DISTRIBUTION PANEL IS WALL MOUNTED TYPE & IP 55.
- 3- CABLING SHALL BE DONE IN OPEN CONDUIT SYSTEM.
- 4- ALL CABLE LINES SHALL BE CONNECTED TO PANEL FROM THE NEAREST PATH.
- 5- ALTHOUGH THE LOCATION OF EQUIPMENT HAS BEEN SHOWN, BUT AS SYMBOLS ARE NOT TO SCALE, MOST SUITABLE POSITIONS ARE TO BE CHOSEN AT SITE.
- 6- OUTDOOR ELECTRICAL DISTRIBUTION PANELS WILL BE INSTALLED IN SAFE AREA NEAR COMPRESSOR SHELTER & FIRE FIGHTING TO SUPPLY NDB-01 & NDB-02
- 7- 15mm LATICE LIGHTING POLE WILL BE INSTALLED IN SAFE AREA. LIGHTING POLES F1T-28ST, F1T-38ST, F1T-48ST & F1T-58ST ARE EXISTING ON WHICH 1 OR 2 NEW FLOODLIGHTS HAVE BEEN ADDED. SINCE THESE CABLES IS NOT CAPABLE TO FEED NEW FIXTURES, THEREFORE NEW FLOODLIGHTS WILL BE FED FROM NDB-01 & NDB-02.
- 8- OUTDOOR LIGHTING SHALL BE TURNED OFF BY PHOTOCELL.
- 9- ACCORDING TO DOCUMENT "HAZARDOUS AREA CLASSIFICATION", FLUORESCENT FIXTURE & OUTLET SOCKET IN PROCESS AREA SHALL BE "EX II B T3"
- 10- HEIGHT OF INSTALLATION OF LIGHTING FIXTURES FOR AIR COOLER SHALL BE FINALIZED AT SITE, AT LEVEL OF MOTOR JUNCTION BOXES.
- 11- CABLES SHALL BE ACCORDING TO DOCUMENT "BK-GCS-PEDCO-120-EL-CN-CN005", & OUTLET SOCKET IN PROCESS AREA SHALL BE "EX II B T3"

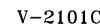
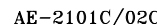
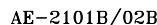
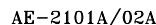
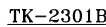
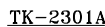
LEGEND

	A) LIGHTING FIXTURE TWIN FLUORESCENT LAMPS (1P+N+0,230V,50HZ,1X10W, POLE MOUNTED)
	A) LIGHTING FIXTURE TWIN FLUORESCENT LAMPS (1P+N+0,230V,50HZ,1X10W, BRACKET MOUNTED)
	NEW FLOODLIGHT FIXTURE,1X400W, METAL HALIDE LAMP, IP65
	EXISTING FLOODLIGHT FIXTURE,1X1500W, TUNGSTEN HALOGEN
	A) 63A, 400V, THREE PHASE WELDING SOCKET OUTLET, WITH SWITCH, 3P+N+E, EX
	A) 16A, 230V, ONE PHASE WELDING SOCKET OUTLET, WITH SWITCH, 1P+N+E, EX
	A) - WP: WEATHER PROOF TYPE - EX: EXPLOSION PROOF TYPE
	LIGHTING JUNCTION BOX
	EMERGENCY CABLE
	NORMAL CABLE
	LIGHTING PANEL BOARD (TYPICAL), IP50
	TYPICAL INSTALLATION ID NO.
	L.S: LIGHTING SYSTEM INSTALLATION
	P.S: POWER SYSTEM INSTALLATION
	DUCT BANK

REFERENCE DRAWING	DRG. No.
UNIT FLOOR PLAN DRAWING	BK-GCS-PEDCO-120-PL-PY-0001
SPECIFICATION FOR LIGHTING & SMALL POWER SYSTEM	BK-GNARL-PEDCO-000-BL-PF-0007
TYPICAL INSTALLATION DETAILS & NOTES FOR LIGHTING SYSTEM	BK-GNARL-PEDCO-000-BL-DW-0003
TYPICAL INSTALLATION DETAILS & NOTES FOR POWER SYSTEM	BK-GNARL-PEDCO-000-BL-DW-0004
CALCULATION NOTES FOR OUTDOOR AREA LIGHTING SYSTEM	BK-COP-PEDCO-150-EL-EL-0001
LIGHTING & SMALL POWER LAYOUT FOR BUILDING & SHEDS	BK-GCP-PEDCO-150-EL-PY-0004
DISTRIBUTION & LIGHTING PANELS SINGLE LINE DIAGRAM	BK-GCP-PEDCO-150-EL-PL-0004
HAZARDOUS AREA CLASSIFICATION LAYOUT	BK-COP-PEDCO-120-BA-PY-0001

KEY PLAN

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NOTES

LEGEND

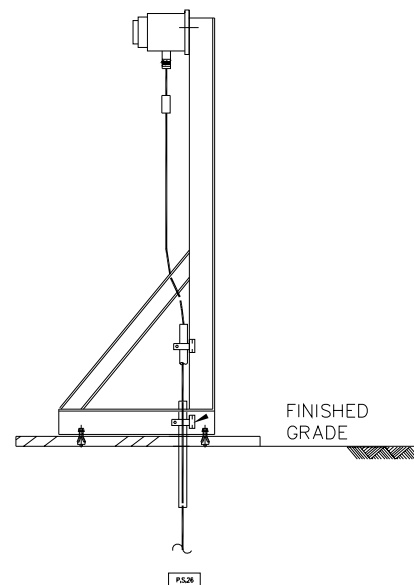
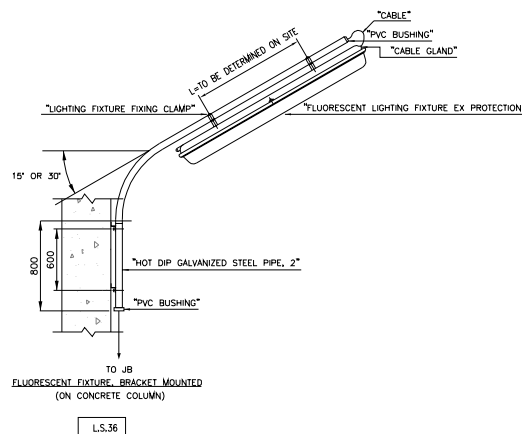
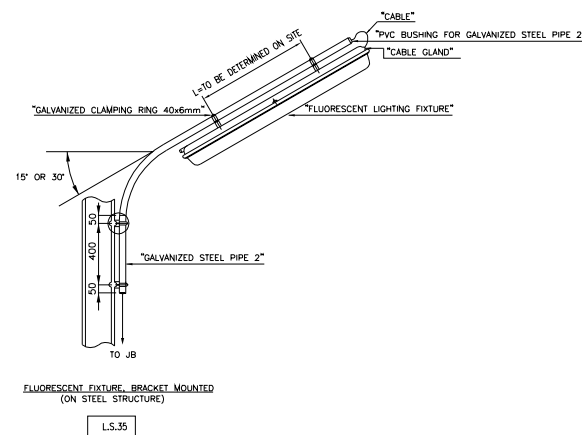
REFERENCE DRAWING

KEY PLAN














و کلیہ نسخہ این نقشہ و حق اقتباس متعلق بہ شرکت ملی مناطق نفت خیز جنوب میباشد۔

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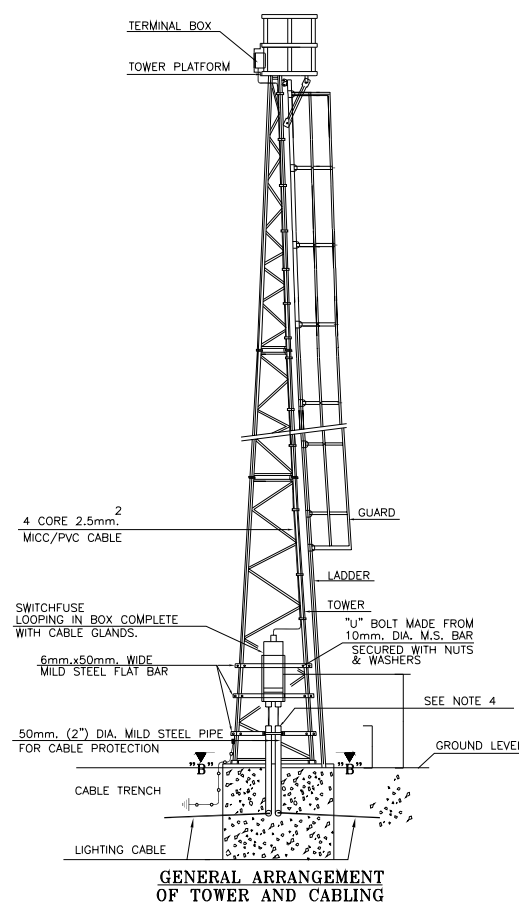


- ### NOTES
- 1- ALL CABLES SHALL BE FIXED TO PANEL BY WOUND TYPE.
 - 2- ELECTRICAL DISTRIBUTION PANEL IS WALL MOUNTED TYPE & IP 55.
 - 3- CABLING SHALL BE DONE IN OPEN CONDUIT SYSTEM.
 - 4- ALL CABLE LINES SHALL BE CONNECTED TO PANEL FROM THE NEAREST PATH.
 - 5- ALTHOUGH THE LOCATION OF EQUIPMENT HAS BEEN SHOWN, BUT AS SWIMBARS ARE NOT TO SCALE, MOST SUITABLE POSITIONS ARE TO BE CHOSEN AT SITE.
 - 6- OUTDOOR ELECTRICAL DISTRIBUTION PANELS WILL BE INSTALLED IN SAFE AREA NEAR COMPRESSOR SHELTER & FIRE FIGHTING TO SUPPLY MNB-01 & MNB-02.
 - 7- 15MM LATTE LIGHTING POINTS WILL BE INSTALLED IN SAFE AREA. LIGHTING PIPES FLT-2RST, FLT-3RST, FLT-4RST & FLT-5RST ARE EXISTING ON WHICH 1 OR 2 NEW FLOODLIGHTS HAVE BEEN ADDED. SINCE EXISTING CABLES IS NOT CAPABLE TO FEED NEW FIXTURES, THEREFORE NEW FLOODLIGHTS ARE TO BE FROM MNB-01 & MNB-02.
 - 8- OUTDOOR LIGHTING SHALL BE TURNED ON/OFF BY PHOTOCELL.
 - 9- ACCORDING TO DOCUMENT "HAZARDOUS AREA CLASSIFICATION", FLUORESCENT FIXTURE & OUTLET SOCKET IN PROCESS AREA SHALL BE "EXP IIB 12".
 - 10- HEIGHT OF INSTALLATION OF LIGHTING FIXTURES FOR AIR COOLER SHALL BE FINALIZED AT SITE, AT LEVEL OF MOTOR JUNCTION BOXES.
 - 11- CABLES SHALL BE ACCORDING TO DOCUMENT "BK-GCS-PEDCO-120-EL-CN-0003", & OUTLET SOCKET IN PROCESS AREA SHALL BE "EXP IIB 12".

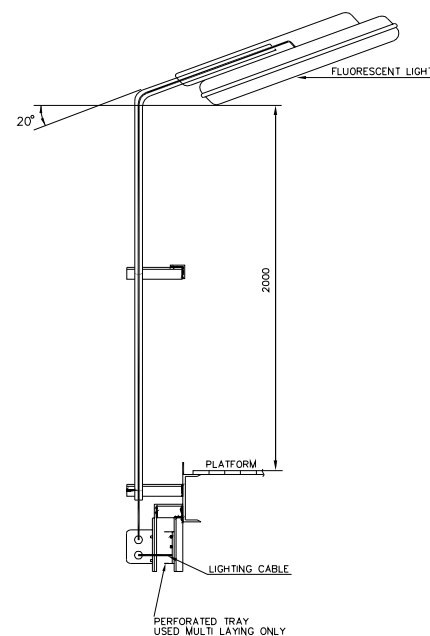
- ## LEGEND
- | | |
|---|---|
|  | LIGHTING FIXTURE TWIN FLUORESCENT LAMPS (1Pn-N), 230V, 50Hz, 1x18W, POLE MOUNTED |
|  | LIGHTING FIXTURE TWIN FLUORESCENT LAMPS (1Pn-N), 230V, 50Hz, 1x18W, BRACKET MOUNTED |
|  | NEW FLOODLIGHT FIXTURE, 1x1400W, METAL HALIDE LAMP, IP65 |
|  | EXISTING FLOODLIGHT FIXTURE, 1x1500W, TUNGSTEN HALOGEN |
|  | 63A, 400V, THREE PHASE WELDING SOCKET OUTLET, WITH SWITCH, 3P+N+E, EX |
|  | 16A, 230V, ONE PHASE WELDING SOCKET OUTLET, WITH SWITCH, 1P+N+E, EX |
|  | A) - WP: WEATHER PROOF TYPE
- EX: EXPLOSION PROOF TYPE |
|  | LIGHTNING JUNCTION BOX |
|  | EMERGENCY CABLE |
|  | NORMAL CABLE |
|  | LIGHTING PANEL BOARD (TYPICAL), IP55 |
|  | TYPICAL INSTALLATION (NO. 15): LIGHTING SYSTEM INSTALLATION
PIS: POWER SYSTEM INSTALLATION |
|  | DUCT BANK |

REFERENCE DRAWING	DRG. No.
UNIT FLOOR PLAN DRAWING	BK-CGS-PEDCO-180-PI-PY-0004
SPECIFICATION FOR LIGHTING & SMALL POWER SYSTEM	BK-CGS-PEDCO-000-LS-SP-0007
TYPICAL INSTALLATION DETAILS & NOTES FOR LIGHTING SYSTEM	BK-GNRL-PEDCO-000-EL-EW-0003
TYPICAL INSTALLATION DETAILS & NOTES FOR POWER SYSTEM	BK-GNRL-PEDCO-000-EL-EW-0004
CALCULATION NOTE FOR OUTDOOR AREA LIGHTING SYSTEM	BK-CGS-PEDCO-180-EL-EW-0001
LIGHTING & SMALL POWER LAYOUT FOR BUILDING & SHEDDER	BK-CGS-PEDCO-180-LS-PY-0004
DISTRIBUTION & LIGHTING PATTERN SINGLE LINE DIAGRAM	BK-CGS-PEDCO-180-EL-SL-0004
HAZARDOUS AREA CLASSIFICATION LAYOUT	BK-CGS-PEDCO-120-SA-PY-0002

KEY PLAN



FLOODLIGHTING
(MOUNTED ON TOWER)

[illegible]