

LIGHTING & SMALL POWER LAYOUT FOR SWITCHGEAR BUILDING OF WELL PADS

NOTES

LEGEND

REFERENCE DRAWING

Dwg. No.

PROJECTION FOR LIGHTING & SMALL POWER SYSTEM

01-0001-PROJ-001-01-01-0001

ARCHITECTURAL DRAWING FOR STRUCTURAL BUILDING OF BELL TOWER - 0000

01-0001-PROJ-001-01-01-0001

CALCULATION NOTE FOR LIGHTING SYSTEM OF BELL TOWER STRUCTURAL BUILDING

01-0001-PROJ-001-01-01-0001

SINGLE LINE DIAGRAM FOR 10 KV POWER DISTRIBUTION PANEL OF BELL TOWER

01-0001-PROJ-001-01-01-0001

TYPICAL INSTALLATION DETAIL & METHOD FOR LIGHTING SYSTEM

01-0001-PROJ-001-01-01-0001

WIRING FOR LIGHTING & SMALL POWER - 0000

01-0001-PROJ-001-01-01-0001

WMC SYSTEM LAYOUT FOR STRUCTURAL BUILDING - 0000

01-0001-PROJ-001-01-01-0001

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BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES/
GENERAL

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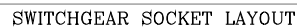
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



BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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003-073-0104	P	2	P	707412	1 OF 2	008
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LIGHTING SCHEDULE

									
D02	DEC.2022	1PA	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH
D01	OCT.2022	1PA	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH
D00	MAY.2022	1PC	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH	KLINGBACH
REV.	DATE	P.O.L.S	PREP.	CHK.					
PROJECT NAME: MINAK OILFIELD DEVELOPMENT /SUB-SURFACE W. GENERAL									
PROJECT NO.: 0710200									
EPC CONTRACTOR:					SPD/EPC CONTRACTOR				
 									
HURCAN ENERGY - DESIGN & INSPECTION COMPANIES					PETROBRAS DEVELOPMENT COMPANIES				
DRAWING TITLE: LIGHTING & SMALL POWER LAYOUT FOR SWITCHGEAR WELL PADS									
SCALE		SHEET		DRAWING NO.				SHEET	
A3	B3	BK-SGRL-PRDCC-110-EL-PY-0004				1			

NOTES


- THE MOUNTING HEIGHT OF THE FITTINGS ABOVE FINISHED FLOOR LEVEL SHALL BE AS FOLLOWS:
 - SOCKET OUTLET (GENERAL) = 30 cm
 - SOCKET OUTLET (SWITCH-ROOM & BATTERY ROOM) = 120 cm
 - LIGHTING SWITCH = 120 cm
- METALLIC BODY OF ALL CONDUIT SHOULD BE CONNECTED TO EARTH TERMINAL.
- INDOOR DISTRIBUTION PANEL IS WALL MOUNTED & IP42
- BOTTOM POINT OF WALL MOUNTED PANEL SHOULD BE 1.5m ABOVE FINISHED FLOOR.
- CONDUENCE FACTOR (D) FOR CALCULATING TOTAL DEMANDED LOADS (TDL) CONSIDERED AS FOLLOWS:
 - FOR LIGHTING CIRCUIT $\phi=1$
 - FOR SOCKET OUTLET $\phi=0.5$
- CABLE OFFSET TO PANEL IS FROM BOTTOM.
- ALL CABLES SHALL BE TIED TO PANEL BY CLAMP.
- B-TYPE OF THE CIRCUIT BREAKERS FOR FEEDING VARIOUS ELECTRICAL DEVICES AS FOLLOWS:
 - TERMINAL TYPE "B" (AC 100 A)
 - SPLIT TYPE "C" (AC 100 A)
 - SPILT SOCKET TYPE "C" (AC 25A)
- OUTDOOR LIGHTING ABOVE BUILDING SHALL BE TURNED ON/OFF BY PHOTOCELL.
- CARLING SHALL BE DONE ON OPEN CIRCUIT SYSTEM EXCEPT BATTERY ROOM.
- ALTHOUGH LOADYING EQUIPMENT HAS BEEN CHOSEN, BUT IF PHASORS ARE NOT TO SCALE, MOST SUITABLE POSITIONS ARE TO BE CHOSEN AT SITE.
- INDUSTRIAL BUILDING LIGHTING CABLE SHALL BE LAID IN HDG (NOT ON GALVANIZED) CONDUIT.
- THIS DRAWING IS VALID FOR ALL NUMBER OF WELLS HAVING AS BELOW:
 - WELL NUMBER BW-12 — WELL NUMBER BW-05 — WELL NUMBER BWM-046
 - WELL NUMBER BW-15 — WELL NUMBER W-007 — WELL NUMBER BW-14
- THE POWER & CONTROL LINES BETWEEN SPLIT UNIT & CONDUISER SHALL BE PROVIDED BY VENUS.

LEGEND

XF	FLUORESCENT FIXTURE 2x36w, EXD IC 13 TYPE INTERIOR REFLECTOR, CAPACITOR & BALLAST.
F	FLUORESCENT FIXTURE 2x18w, WITH PLASTIC DIFFUSER WALL MOUNTED.
P	SUSPENDED CEILING MOUNTED FLUORESCENT 2x36w WITH LOUVER, CAPACITOR & BALLAST, IP42.
P	SUSPENDED CEILING MOUNTED FLUORESCENT 2x36w WITH LOUVER, CAPACITOR & BALLAST, IP42.
B	BATTERY BOX, WALL MOUNTED.
WFL	BULKHEAD WALL MOUNTED WITH GLASS DIFFUSER & GUARD, 20W, LED, IP65
EXIT	SAFETY LIGHTING, FLUORESCENT 1x8w WITH 30 MINUTE BUILT-IN BATTERY PACK
MCP	METALLIC LIGHTING JUNCTION BOX, 3WAY
MCP	METALLIC LIGHTING JUNCTION BOX, 3WAY DUST & MOISTURE PROOF LIGHTING JUNCTION BOX, 3WAY, IP65.
MCP	METALLIC LIGHTING JUNCTION BOX, 3WAY DUST & MOISTURE PROOF LIGHTING JUNCTION BOX, 3WAY EXD IC 13 TYPE, IP65.
WPO	ONE POLE SWITCH, ONE WAY, 10A, 230V, SURFACE MOUNTED, IP65
WPO	ONE POLE MULTIPORTION SWITCH, 10A, 230V, SURFACE MOUNTED, IP42
EX	EXHAUST FAN 750W, EXD IC 13 TYPE.
EX	SOCKET OUTLET POWER WITH SINGLE PHASE 230V, 16A, SURFACE MOUNTED, IP42
WPI	SOCKET OUTLET POWER WITH SINGLE PHASE 230V, 25A, SURFACE MOUNTED, IP65
WPI	SOCKET OUTLET (POWER) WITH SINGLE POLE SWITCH 230V, 25A, SURFACE MOUNTED, IP 42
INDOOR UNIT	INDOOR UNIT WALL SPLIT AIR CONDITIONER
OUTDOOR UNIT	OUTDOOR UNIT SPLIT AIR CONDITIONER
E	ELECTRICAL DISTRIBUTION PANEL
E	MIX XX-DST: DISTRIBUTION PANEL FOR SWITCHROOM & OUTDOOR AREA
C/C/PVC/C	C/C/PVC/C CABLE

REFERENCE DRAWING		Dwg. No.	
APPROVED FOR ISSUING & FINAL REVIEW	DATE	BY	DATE
ARCHITECTURAL DRAWING THE ARCHITECTURAL DRAWING BY NIS.S.O. - NAME	BY	DATE	DATE
CALCULATION MADE BY THE RESPONSIBLE OFFICER OF THE DRAWING PREPARED BY	BY	DATE	DATE
SHRINK LINE DRAWING MADE BY THE RESPONSIBLE OFFICER OF THE DRAWING PREPARED BY	BY	DATE	DATE
TYPICAL DETAILING DRAWING & NOTES FOR LIGHTING DUTY	BY	DATE	DATE
BY THE ARCHITECT & SHALL PROVIDE - NAME	BY	DATE	DATE
PVC PIPING LAYOUT FOR SUPERSTRUCTURE BUILDING - NAME	BY	DATE	DATE

REV.	DESCRIPTION	BY	DATE	BY	DATE
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002	0000000000	002	002	002	0000


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