

EARTHING LAYOUT FOR PRODUCTION UNIT

NOTES

LEGEND

REFERENCE DRAWING DRG. No.

KEY PLAN

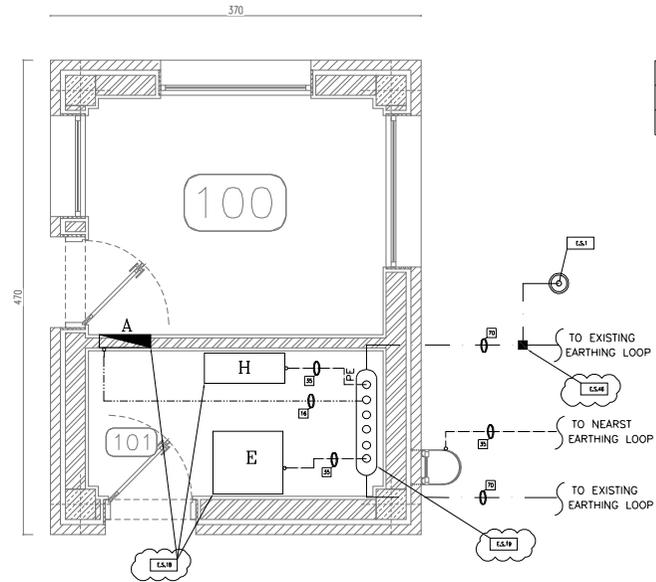
REV.	DESCRIPTION	CHECKED	BY	DATE	BY	DATE
DDO	OCT/2022	IPC	K. RAHMAN	M. FARHAN	M. HUSNAD	** **
DD1	DEC/2022	IPC	K. RAHMAN	M. FARHAN	M. HUSNAD	** **
DD2	MAY/2023	APC	K. RAHMAN	M. FARHAN	M. HUSNAD	** **

REV.	DATE	P.O.L.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION		
PROJECT NO.:	971020			
EPC CONTRACTOR:	 			
EPD/EPC CONTRACTOR (CO):				
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS				
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE:				NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
EARTHING LAYOUT FOR PRODUCTION UNIT				APPROVED FOR CONSTRUCTION							
BY:				DATE:							
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NWS	A3	BK-GCS-PECCO-120-EL-PY-0010	01 OF 02	D02	003-073-014	F	2	P	709006	01 OF 02	D02

(VENDOR TITLE BLOCK)**



A	WALL MOUNTED LIGHTING PANEL
E	42 UNIT RACK 800X800X2100 mm
H	1 UPS SYSTEM .800X300X800 mm



SPACE TAG NUMBER

- 100 GUARD HOUSE
- 101 RACK ROOM

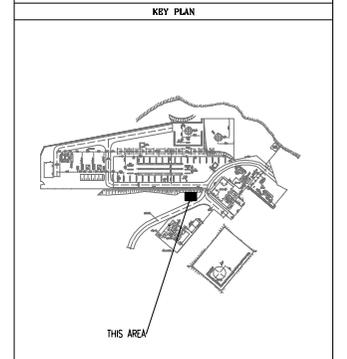
EARTHING SYSTEM LAYOUT FOR CCTV PU

NOTES

- 1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 2- AIR TERMINAL INSTALLED ON A STRUCTURE SHALL BE LOCATED AT CORNERS, EXPOSED POINTS AND EDGES AS POSSIBLE.
- 3- LIGHTING EQUIPMENT SHALL BE FANULSED ACC. TO VENDOR RECOMMENDATION.
- 4- THIS DRAWING IS ONLY VALID FOR ELECTRICAL PURPOSE.
- 5- HEC CONDUIT SHALL BE CONSIDERED FOR DOWN CONDUCTOR FROM TEST BOX THROUGH THE SOIL.
- 6- ACCORDING TO IFFRANO, MAXIMUM INTERVAL BETWEEN FANULERS FOR VERTICAL AND HORIZONTAL CONDUCTORS ARE ARE 1.2M AND 0.6M RESPECTIVELY.
- 7- ALL NON-CARRYING CURRENT METALLIC PART SUCH AS STAIRS, LADDERS, DOORS, BRIDGES, CHAIN AND ETC SHALL BE CONNECTED TO EARTH SYSTEM.

- LEGEND**
- 70 EARTHING CABLE, 70mm², WITH 1/G PVC COVER
 - 35 EARTHING CABLE, 35mm², WITH 1/G PVC COVER
 - 16 EARTHING CABLE, 16mm², WITH 1/G PVC COVER
 - EARTHING ROD WITH TEST PIT
2x1.5M LENGTH, 19 mm² DIAMETER, COPPER ROD
 - ELECTRICAL EARTHING DISPATCHER (MIN. 10NO. HOLES) WITH BASE PLATE AND ISOLATORS
 - CADWELD JOINT
 - EARTHING EQUIPMENT CONNECTION
 - TYPICAL INSTALLATION ID NO.

REFERENCE DRAWING	DRG. No.
ARCHITECTURAL DRAWING FOR CCTV BOX ROOM- BINAK PU	BK-CGS-FECCO-120-AR-08-010
CALCULATION NOTE FOR EARTHING & LIGHTING SYSTEM	BK-CGS-FECCO-120-EL-CN-005
SPECIFICATION FOR EARTHING & LIGHTING SYSTEM	BK-CGS-FECCO-000-EL-SP-008
TYPICAL INSTALLATION DETAILS & NOTES FOR EARTHING & LIGHTING PROTECTION SYSTEM	BK-CGS-FECCO-000-EL-08-002



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D02	MAY.2023	APC	M. RAHMAN	M. JAFARIZADEH	A. J. MOHAMMAD	
D01	DEC.2022	IPC	M. RAHMAN	M. JAFARIZADEH	M. J. MOHAMMAD	** **
D00	OCT.2022	IPC	M. RAHMAN	M. JAFARIZADEH	M. J. MOHAMMAD	** **
REV.	DATE	P.O.L.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N/A	A3	BK-CGS-FECCO-120-EL-PY-0010	02 OF 02	D02	003-073-0164	F	2	P	709006	02 OF 02	D02