



CONTROL ROOM

Field

NOTES

Note1:MV motor winding RTD will be connected to UCP. differential CT will be considered in main motor.
Note2: input/out put on/off valves signals from Horgan side connect to UCP as per project P&ID.
Note3: All Trip Signal From Fields, UCP, ESD Panel will be connected to related logic as per vendor logic diagram.

Note 4: Spill back valves and loose instruments on suction & discharge of compressors (provided by vendor and installed out of package skid) will be e connect to UCP as per project P&ID.

Note 5: Refer to vendor document (UCP wiring diagram & terminal details) for detail of UCP interconnections

Note 6: By Horgan (Out of Havayar scope of supply)

Note 7: Critical I/O means close loop & safety loop I/O.

Note 8: For LCP signal refer to P&ID Diagram BK-GCS-HY-120-PR-PI-0001

Note 9:Emergency push button signals on the UCP and LCP and ESD signal from ESD panel considered in relay center configuration.

Note 10:Internal network in PLC is Redundant.

LEGEND

- LV power Cable (by clieny)
- MV power Cable(by clieny)
- multi core cable (by Horgan)
- Modbus Link (by Horgan)
- Ethernet Link (by Horgan)

REFERENCE DRAWING

DRG. No.

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	CHECKED	REV. APPR.
V03	Jan. 2024	AFC	R.Deighan	M.FAKHARIAN	S.FARAMARZPOUR				
V02	Dec. 2023	IFR	R.Deighan	M.FAKHARIAN	S.FARAMARZPOUR	**			
V01	Oct. 2023	IFR	R.Deighan	M.FAKHARIAN	S.FARAMARZPOUR	**	BY	DATE	BY
V00	Aug. 2023	IFR	HAVAYAR Co	M.FAKHARIAN	A.M.MOHESEN	**			
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							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 NO.: 971020							DATE		
EPC CONTRACTOR: HIRGAN ENERGY							DRAWING BY		
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY							CHECKED BY		
DRAWING TITLE: OVERALL CONTROL/SAFETY SYSTEM CONFIGURATION DIAGRAM							PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							APPROVED FOR CONSTRUCTION		
BY: DATE:							BY: DATE:		
SCALE: SIZE: DRAWING NO. SHEET NO. REV.							BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION		
***** A3 BK-GCS-HY-120-IN-DG-0002 1 OF 2 V03									

