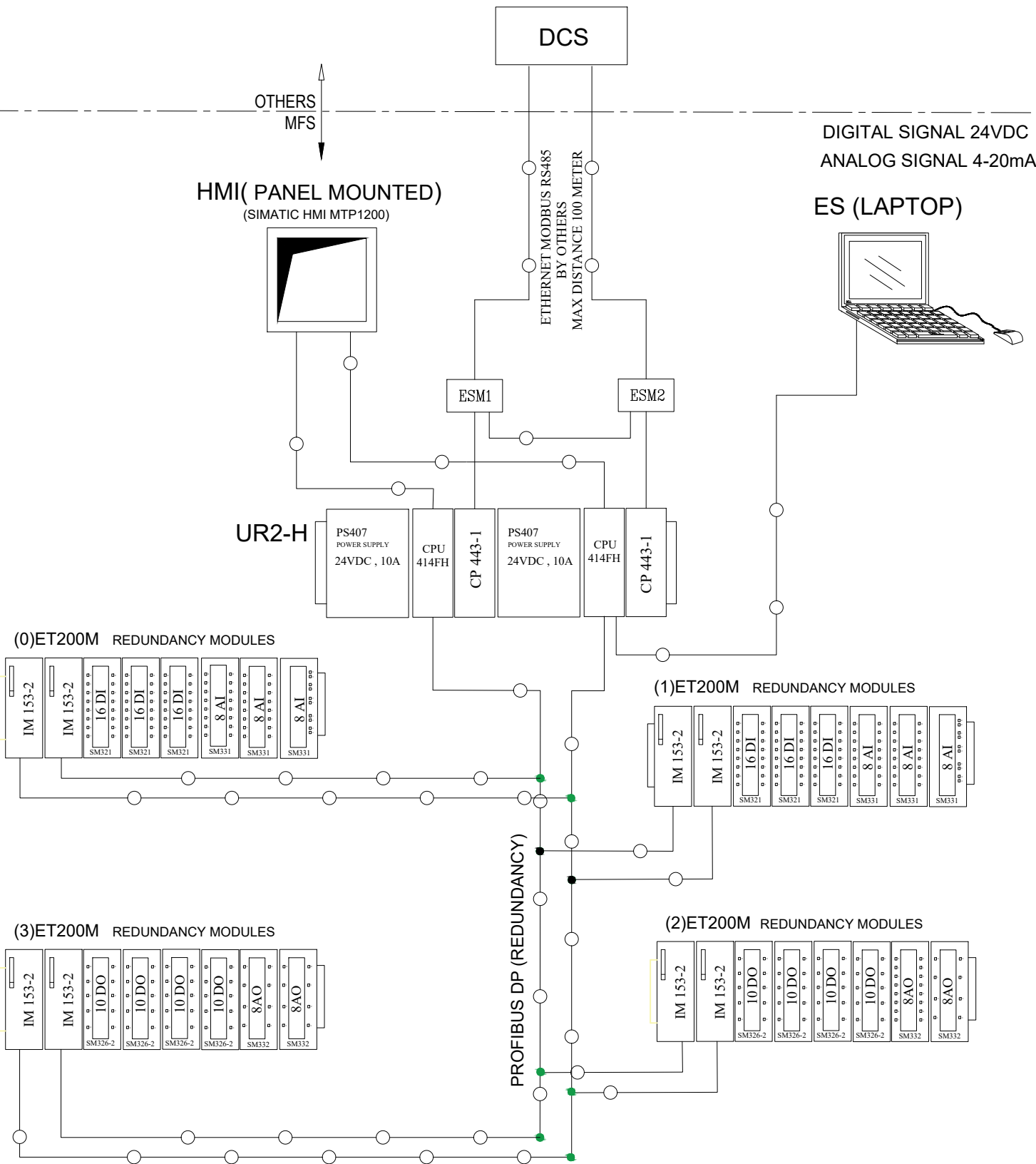
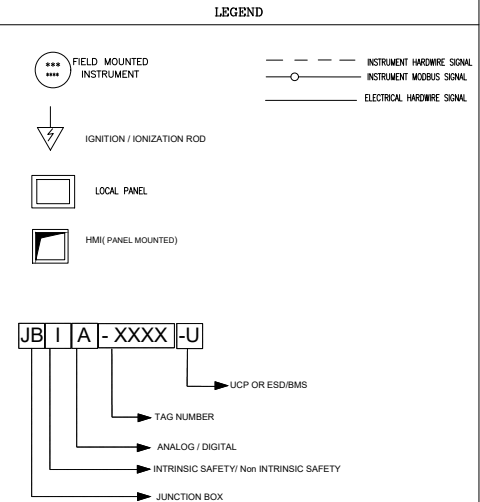


UCP & MARSHALING SYSTEM



NOTES

1. UCP LOCATION IS IN THE AUXILIARY(TECHNICAL ROOM) ROOM .
2. ENGINEERING STATION LOCATION IS IN THE CONTROL ROOM
3. HMI LOCATION IS ON THE UCP PANEL.
4. INGRESS PROTECTION IS IP54.



REFERENCE DRAWING	DRG. No.

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
V00	Dec.2024	ISSUED FOR APPROVAL	MFS	M.FAKHARIAN	S.Parmarpoor
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HURGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): 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:
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
NTS	A3	BK-GCS-MF-120-IN-DW-0001	1 OF 2	V00	

I/O Quantity for UCP									
Signal Type	AIS	AIR	DIS	AOS	AOR	DIS	DIR	DOS	DOR
Actual IO Qty.		17			8		36		32
Total Actual IO					91				
20% Spare		4			2		7		7
Total 20% Spare					20				
Total					113				

SUM			
Signal Type	Total	Card * Channel	Model
AIR	21	3*8 Channel	SM331
AOR	10	2*8 Channel	SM332
DIR	43	3*16 Channel	SM321
DOR	39	4*10 Channel	SM326-2

BILL OF MATERIAL				
NO	NAME	QTY	MANUFACTORY	DESCRIPTION
1	CPU 414FH	2	SIEMENS	FAIL SAFE & REDUNDANCY CPU
2	PS 407	2	SIEMENS	POWER SUPPLY INPUT:110~240VAC,OUTPUT:24VDC, 10A
3	CP 443-1	2	SIEMENS	COMMUNICATION PROCESSOR (INDUSTRIAL ETHERNET)
4	IM 153-2	4	SIEMENS	INTERFACE MODULE FOR ET200M
5	DIR 321	6	SIEMENS	FAIL SAFE DIGITAL INPUT MODULE 12 CHANNEL
7	DOR 326-2	8	SIEMENS	FAIL SAFE DIGITAL OUTPUT MODULE 10 CHANNEL
9	AIR 336-4	6	SIEMENS	FAIL SAFE ANALOG INPUT MODULE 6 CHANNEL
10	AOR 332	4	SIEMENS	FAIL SAFE ANALOG OUTPUT MODULE 9 CHANNEL
11	UR2-H	1	SIEMENS	RACK CENTRALIZED AND DISTRIBUTED WITH 2 X 9 SLOTS
12	POWER SUPPLY	2	SIEMENS	INPUT:110~240VAC,OUTPUT:24VDC, 10A
14	ESM	2	SIEMENS	SCALANCE XB005 UNMANAGED INDUSTRIAL ETHERNET SWITCH,24VDC
15	HMI	1	SIEMENS	SIMATIC HMI MTP1200, TOUCH OPERATION
16	LAPTOP	1	***	Model:***** ,Core i7-11800H,16GB



SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NTS	A3	BK-GCS-MF-120-IN-DW-0001	1 OF 2	V00

