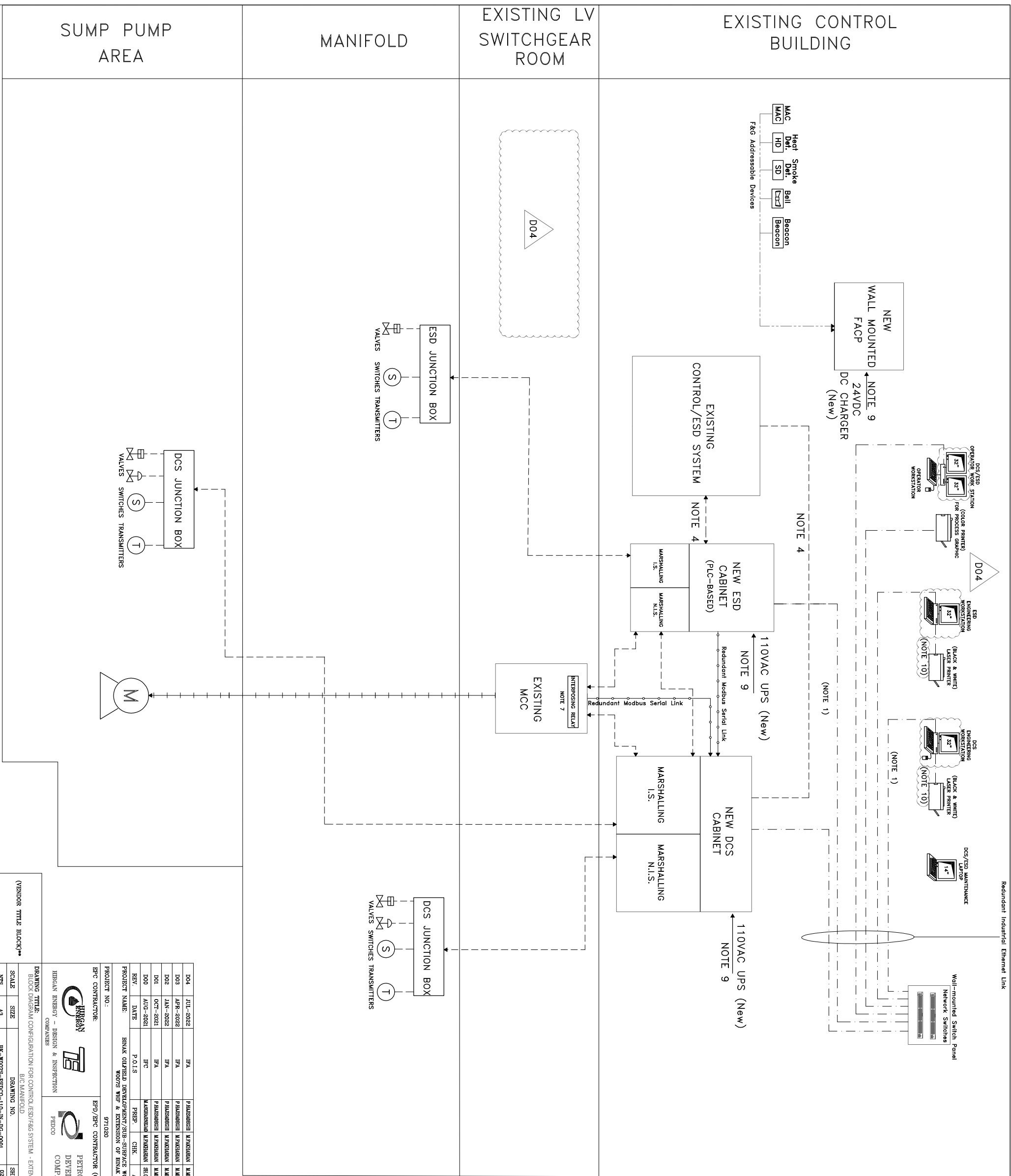


NOTES

DOCUMENT TITLE

BLOCK DIAGRAM CONFIGURATION FOR CONTROL/FSD/F&G SYSTEM EXTENSION OF BINAK B/C MANIFOLD

[illegible]



DRAWING TITLE: BLOCK DIAGRAM CONFIGURATION FOR CONTROL /ESD /F&S SYSTEM - EXTENSION OF BVAUK																			
B/C/MAINT/OD																			
APPROVED FOR CONSTRUCTION																			
BY: DATE:																			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																			
DRAWING NO.		SHEET NO.		REV.		BUCKET REF.		LOCATION		SIZE		CLASS		SERIAL NO.		SHEET		REVISION	
A3		B3		C3		D3		E3		F3		G3		H3		I3		J3	
SCALE		BY: WOODS, BRUCE - 110-N-DC-6001		02 OF 02		D04		P		2		1		2707084		D04			
YES		NO		REV.		BUCKET REF.		LOCATION		SIZE		CLASS		SERIAL NO.		SHEET		REVISION	

D04	JUL-2022	IPA	MATERIALS	MATERIALS	MATERIALS	**
D03	APR-2022	IPA	MATERIALS	MATERIALS	MATERIALS	**
D02	JAN-2022	IPA	MATERIALS	MATERIALS	MATERIALS	**
D01	OCT-2021	IPCA	MATERIALS	MATERIALS	MATERIALS	**
D00	AUG-2021	IPC	MATERIALS	MATERIALS	SCHEDULE	**
REV.		P.O.I.S	PREP.	CIRK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOOTS WEP & EXTENSION OF BINAK B/C						
PROJECT NO.: 971020						
EPC CONTRACTOR:  HERCAM ENERGY – DESIGN & INSPECTION COMPANIES		EPD/EPC CONTRACTOR (GC):  PETROLEUM DEVELOPMENT COMPANY PDCO				
						
BINAK OIL FIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOOTS WEP & EXTENSION OF BINAK B/C						
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		

[illegible]

	CONTROL HARD-WIRE
	REDUNDANT ETHERNET NETWORK
	REDUNDANT MODBUS RTU SERIAL LINK
	ADDRESSABLE F&G SERIAL LINK
	ELECTRICAL WIRE

	SWITCHES		BELL
	TRANSMITTER		HEAT DETECTOR
	ON/OFF VALVE		MAC
	CONTROL VALVE		Beacon
	LOCAL CONTROL PANEL		SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL		

10. NETWORK CONNECTION FOR PRINTERS CONNECTED TO ENGINEERING WORKSTATION, SHALL BE CONSIDERED INDIVIDUALLY AS PER ENGINEERING WORKSTATIONS.

LEGEND

NOTES

1. NETWORK CONNECTION BETWEEN PANELS/ WORK STATIONS SHALL BE IN REDUNDANT HIGH SPEED ETHERNET PROTOCOL VIA NETWORK SWITCH. EACH OMS HMI PAGE SHALL BE ABLE TO BE DISPLAYED IN OTHER STATIONS. NUMBER OF STATIONS SHALL BE FINALIZED BY CLIENT.
2. SEPARATE JB FOR DIFFERENT SIGNAL TYPE SHALL BE USED.
3. SPARE FOR NETWORK AND MODBUS- CONNECTION TO BE CONSIDERED.
4. TOTAL PLANT SHUT DOWN SHALL BE IMPLEMENTED FROM EXISTING SSI FOR NEW DEVICES BY DEDICATED RELAY. ALSO LEVEL CONTROL SIGNAL FROM EXISTING CONTROL SYSTEM TO BE DUPLICATED AND TRANSFERRED TO THE NEW DCS SYSTEM.
5. MODBUS RTU SHALL BE CONSIDERED FOR MOD BUS LINK (IF ANY)
6. NUMBER OF CABINETS, F&G DETECTOR, FIELD INSTRUMENTS HAS BEEN CONSIDERED IN RELATED DOCUMENT AND THEY ARE TYPICAL.
7. AN INTERPOSING RELAY SHALL BE PROVIDED BY THE VENDOR OF EXTENDING SWITCHGEAR SYSTEM.
8. BLOCK DIAGRAM CONFIGURATION FOR CONTROL/ESD/F&G SYSTEM RELATED TO THE CCS IS AN INDIVIDUAL DOCUMENT (BR-063- PEDCO- IZO- IN- BD- 0001) INDEPENDENT FROM THIS ONE.
9. HARDWARE CONNECTION FOR MONITORING OF POWER AND DG/ESD.
10. CHARGER TO BE CONSIDERED BETWEEN NEW UPS/DC CHARGER