DOCUMENT TITLE:

BLOCK DIAGRAM CONFIGURATION FOR CONTROL/ESD/F&G SYSTEM

NOTES

LEGEND

REFERENCE DRAWING	DRG. No.

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	AUG-2022	IFA	P.HAJISADEGHI	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	APR-2022	IFA	P.HAJISADEGHI	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	JAN-2022	IFA	P.HAJISADEGHI	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	OCT-2021	IFA	P.HAJISADEGHI	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	AUG-2021	IFC	M.ASGHARNEJAD	M.FAKHARIAN	SH.GHALIKAR	**.**

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS & GAS-CONDENSATE PIPELINES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS & GAS-CONDENSATE PIPELINES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

(VENDOR TITLE BLOCK)**

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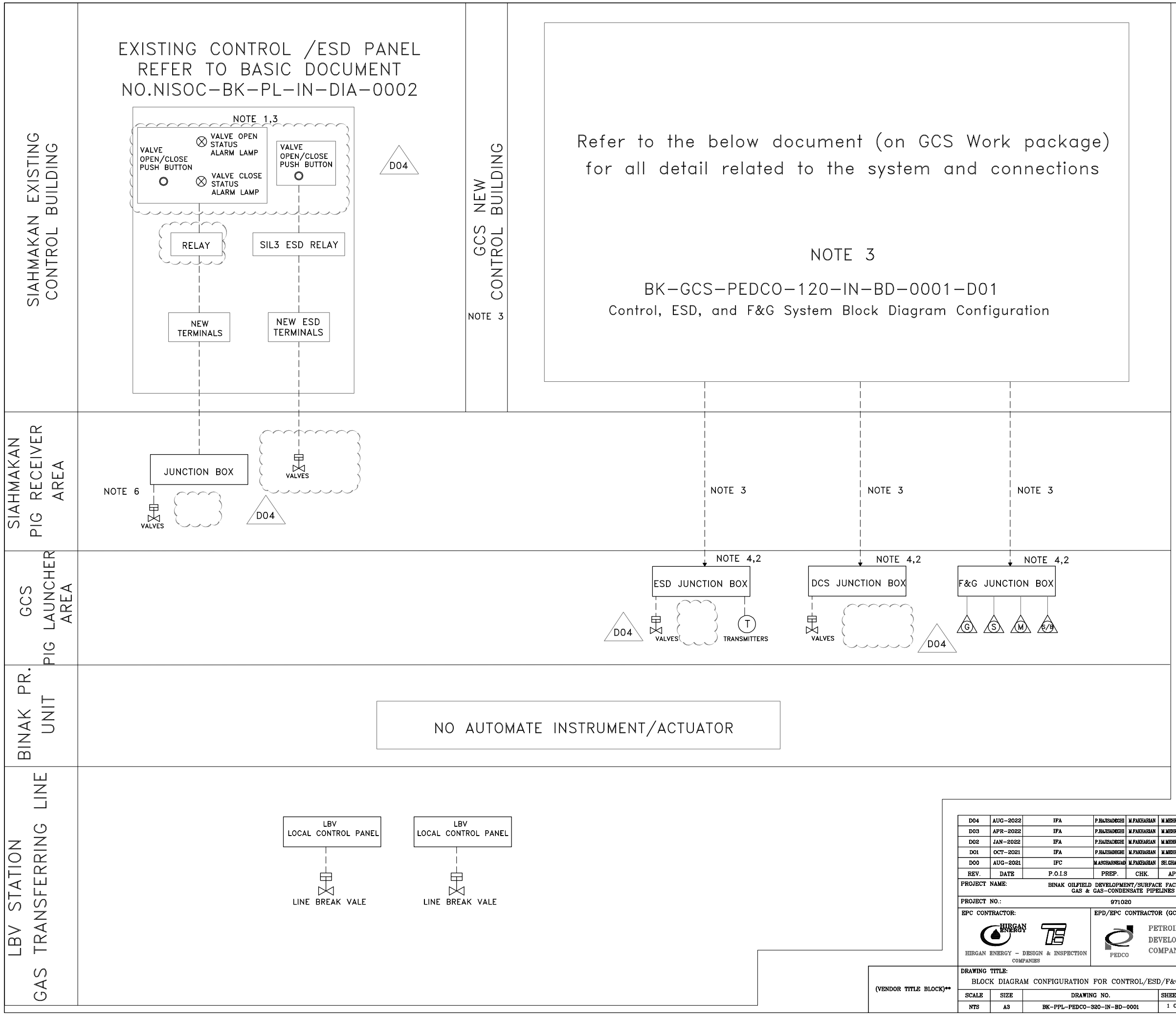
APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NTS	A3	BK-PPL-PEDCO-320-IN-BD-0001	1 OF 2	D04	0-53-073-9184	F	2	J	708591	2	D04



NOTES

D04 1.NEW ESD/ DCS SYSTEM OF SIAHMAKAN SHALL BE INSTALLED IN EXISTING CONTROL SYSTEM.

2.SEPARATE JB FOR DIFFERENT SIGNAL TYPES (Digital/Analogue) SHALL BE USED.

3.ALL NEW SYSTEM (DCS/ ESD/ F&G) AND DEVICE IN GCS NEW CONTROL ROOM ALSO CABLING INBETWEEN SHALL BE PROVIDED THROUGH BINAK GCS WORK PACKAGE. THERE IS NO COMMUNICATION WITH EXISTING SYSTEMS IN GCS OLD CONTROL ROOM.

4.NUMBER OF CABINETS, F&G DETECTOR, FIELD INSTRUMENTS SHALL BE CONSIDERED IN ACCORDANCE WITH RELATED DOCUMENT.

~~5.MODBUS RTU SHALL BE CONSIDERED FOR MODBUS LINK (IF ANY).~~

D04 5.ALL REQUIRED DEVICES FOR EXTENSION OF EXISTING SYSTEM SUCH AS SIL3 RELAY,I/O,... TO BE PROVIDED BY CONTRACTOR AND TO BE IN COMPLIANCE WITH EXISTING SYSTEM SPECIFICATION.

~~6. REFER TO P&ID NO.BK-PPL-PEDCO-320-PR-PI-0001 FOR FIELD DEVICES. SINCE EXISTING SYSTEM IS COMMON FOR ESD AND DCS, JBS COULD BE MERGED DUE TO CLIENT APPROVAL.~~

LEGEND

- S SWITCHES
- T TRANSMITTER
- ON/OFF VALVE
- CONTROL VALVE
- LCP LOCAL CONTROL PANEL
- H HEAT DETECTOR
- LAMP
- PUSH BUTTON
- G GAS DETECTOR
- F FLAME DETECTOR
- M MAC
- S/B SIREN/BEACON
- S SMOKE DETECTOR
- CONTROL HARD-WIRE
- REDUNDANT ETHERNET NETWORK
- REDUNDANT MODBUS RTU SERIAL LINK
- ADDRESSABLE F&G SERIAL LINK

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