

NOTES

DOCUMENT TITLE:

CONTROL/ESD/F&G SYSTEM  
BLOCK DIAGRAM CONFIGURATION

LEGEND

REFERENCE DRAWING

DRG. No.

KEY PLAN

المحرر و كل من تصحى له و قد افترض متحقق به ترك كل من ملاحظه غير محقق  
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BINAK OILFIELD DEVELOPMENT  
SURFACE FACILITIES  
GAS COMPRESSOR STATION

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

D-53-073-9194 F 2 J 709943 2 D08

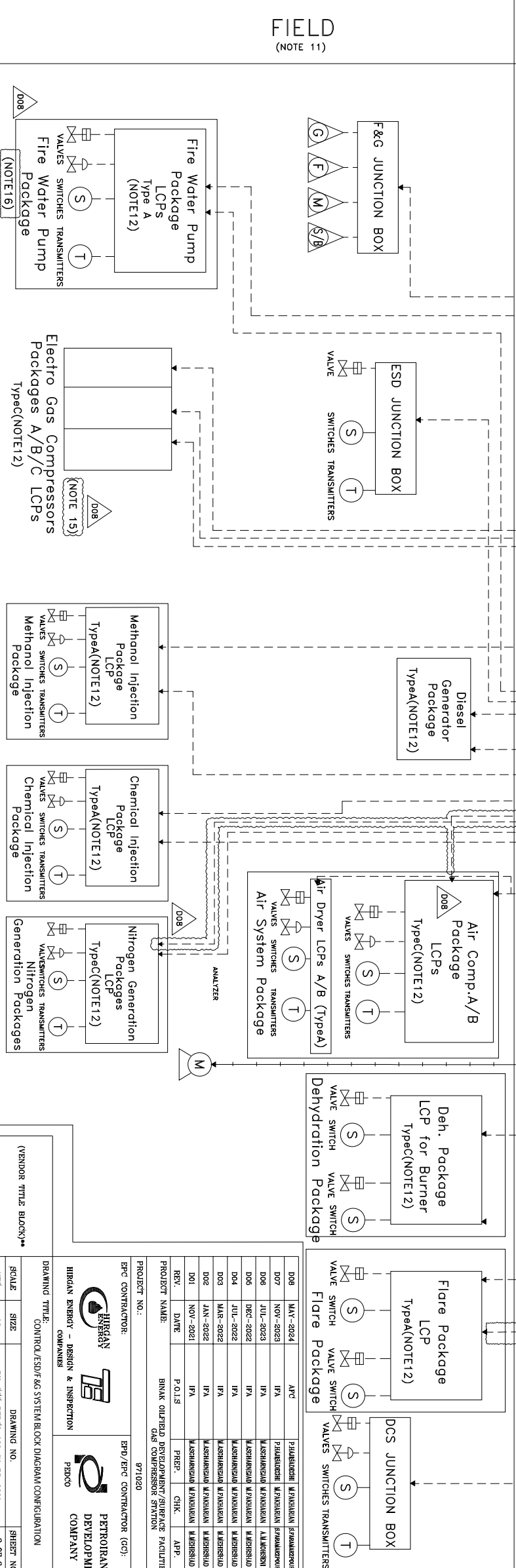
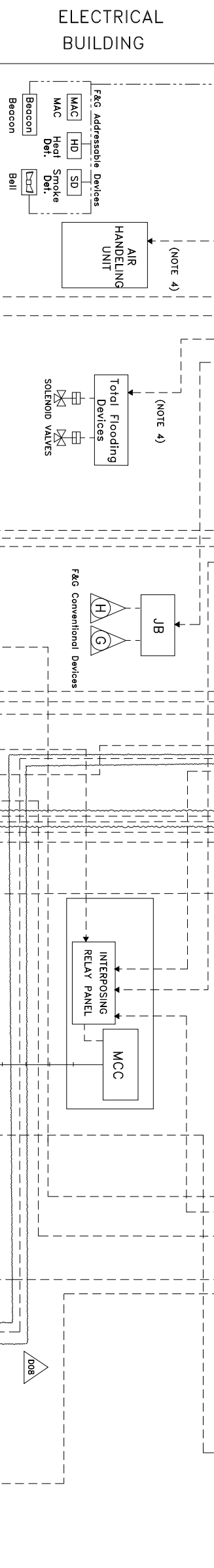
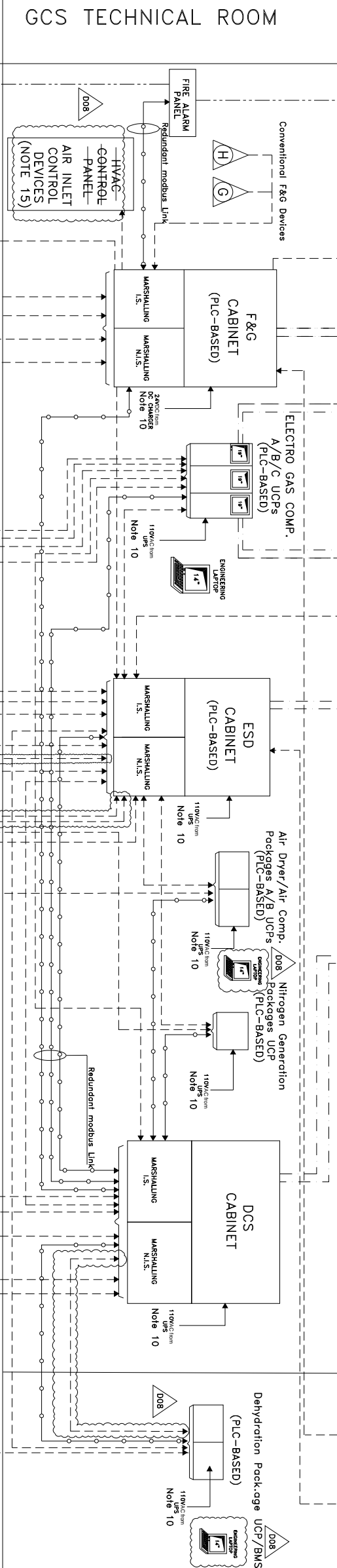
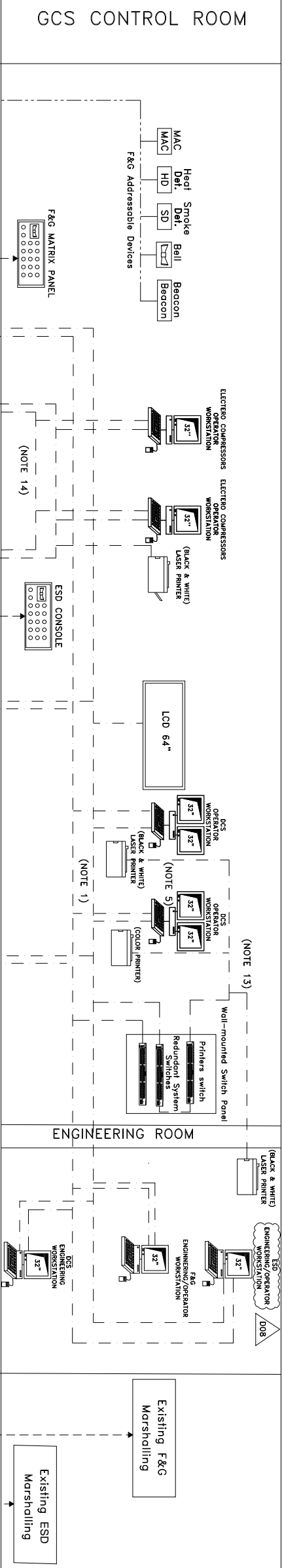
PROJECT NO.:  971020	PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION				
	REV.	DATE	P.O.I.S	PREP.	CHK.	APP.
	D08	MAY-2024	ATC	IPY	IPY	IPY
	D07	NOV-2023	IPY	IPY	IPY	IPY
	D06	JUL-2023	IPY	IPY	IPY	IPY
	D05	DEC-2022	IPY	IPY	IPY	IPY
	D04	JUL-2022	IPY	IPY	IPY	IPY
	D03	MAR-2022	IPY	IPY	IPY	IPY
	D02	JAN-2022	IPY	IPY	IPY	IPY
	D01	NOV-2021	IPY	IPY	IPY	IPY

EPG CONTRACTOR:	EPD/EPG CONTRACTOR (GC):
HIRSHAN ENERGY - DESIGN & INSPECTION COMPANIES	PETROBRAS DEVELOPMENT COMPANY

DRAWING TITLE: Control/ESD/F&G System Block Diagram Configuration

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NTS	A3	BK-GCS-PEDCO-120-IN-3D-0001	1 OF 2	D08

(VENDOR TITLE BLOCK)\*\*



- NOTES
1. NETWORK CONNECTION BETWEEN PANELS / WORK STATIONS SHALL BE IN REDUNDANT HIGH SPEED ETHERNET PROTOCOL VIA NETWORK SWITCH, EACH OWS 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. EXISTING AIR HANDLING UNIT SHALL BE STOPPED OR DAMPERS SHALL BE CLOSED IN CASE OF MANUAL/AUTOMAT ACTIVATION OF TOTAL FLOODING SYSTEM VIA F&G SYSTEM.
  5. DCS WORK STATION SHALL BE CAPABLE TO MONITOR ELECTRO-COMPRESSOR AND F&G DATA.
  6. AL DEVICES SHALL BE CONSIDERED INDUSTRIAL TYPE.
  7. NUMBER OF CABINET, F&G DETECTOR, FIELD INSTRUMENTS HAS BEEN CONSIDERED IN RELATED DOCUMENTS AND THERE ARE TYPICAL.
  8. HARD WIRE CONNECTION TO BE CONSIDERED FOR ESD TIEP TO SYSTEM/PACKAGE UOP/DEVICES AS PER P&ID.
  9. F&G COULD BE INTEGRATED IN FGS DEPENDING THE VENDOR'S DESIGN.
  10. HARDWARE CONNECTION FOR MONITORING OF POWER STATUS TO BE CONSIDERED BETWEEN NEW UPS/DC CHARGER AND DCS. REQUIRED CONNECTION TO ESD AND F&G TO BE CONSIDERED.
  11. ALL FIELD DEVICES ARE IN AREA OF NEW GCS EQUIPMENT AND SAKHMAKKAN PIPE LINE PIG LAUNCHER.
  12. REFER TO DOCUMENT "SPECIFICATION FOR INSTRUMENT AND CONTROL OF PACKAGE UNIT SYSTEM (PU)".
  13. INDIVIDUALLY NETWORK CONNECTION FOR PRINTER CONNECTED TO DCS ENGINEERING WORKSTATION, TO BE CONSIDERED.
  14. INDIVIDUALLY NETWORK CONNECTION FOR ELECTRO COMPRESSORS OPERATOR WORKSTATIONS TO BE CONSIDERED.
  15. WILL BE FINALIZED AS PER VENDOR DATA.
  16. REFER TO "P&ID – Fire Water Network, DDC NO.: BR-GCS-PEDCO-120-5A-PI-0001" FOR SYSTEM CONTROL DETAILS.
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