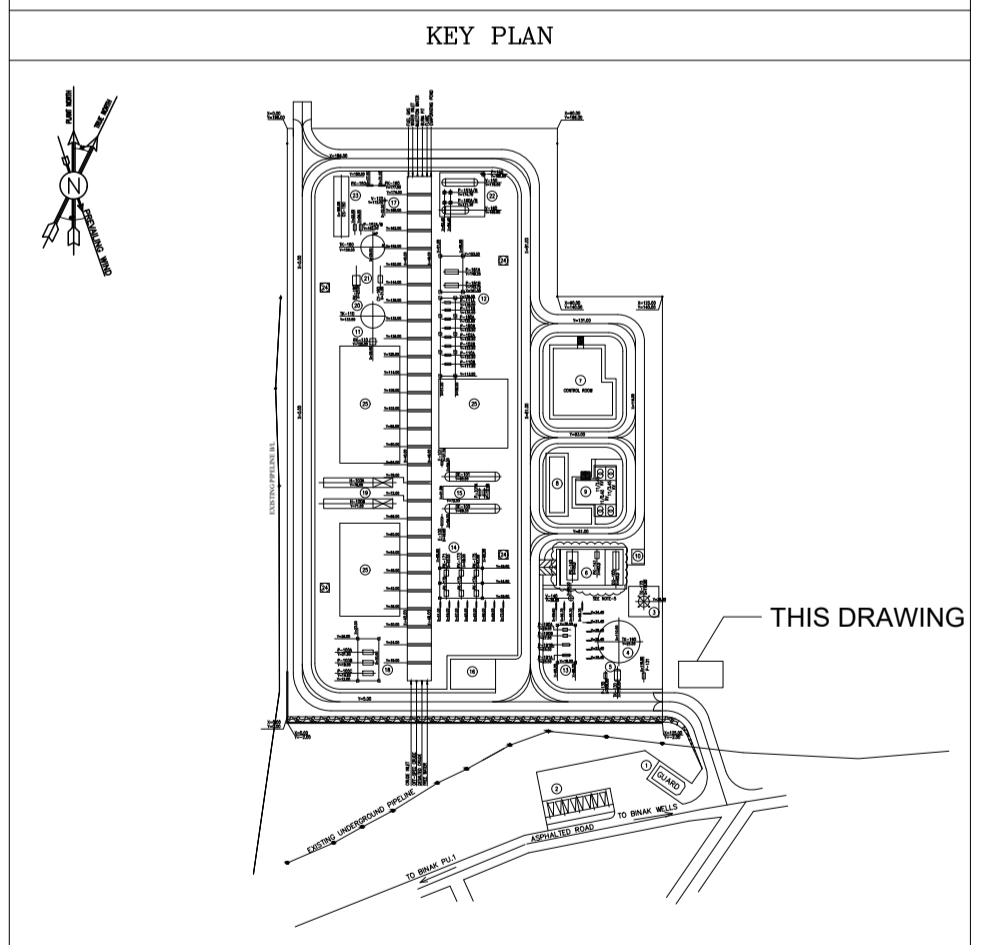


- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETER & ALL ELEVATIONS ARE IN METER UNLESS NOTED OTHERWISE.
  2. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  3. CONTRACTOR SHALL COMPARE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING AND STRUCTURAL DRAWINGS AND IN CASE OF ANY CONFLICTS OR DISCREPANCY, INFORM THE ENGINEER.
  4. ALL MATERIALS ARE SELECTED FROM THE HIGHEST QUALITY AND MUST BE APPROVED BY THE CLIENT.
  5. ALL OPENINGS SHALL BE CONSIDERED AS PER RELATED DRAWINGS BEFORE CONSTRUCTION.
  6. ALL REFRIGERANT PIPE, FITTING AND INSULATION SHALL BE ACCORDING TO NBC #14.
  7. PIPE SUPPORT DETAIL DRAWING SHALL BE ACCORDING TO STANDARD DRAWING FOR HVAC & PLUMBING.
  8. MATERIAL OF CONDENSATE PIPES SHALL BE POLYPROPYLENE (PP) ACCORDING TO ASTM F2389 OR ISIRI 6314-1.2.
  9. REFRIGERATION PIPING, FITTING, INSULATION SIZES WILL BE SPECIFIED BY VENDOR.

- LEGEND**
- SAND TRAP LOUVER
  - INDOOR UNIT WALL TYPE SPLIT AIR CONDITIONER
  - OUTDOOR UNIT SPLIT AIR CONDITIONER
  - AXIAL EXHAUST FAN
  - EXHAUST AIR LOUVER
  - REFRIGERANT PIPE LINE AND CONNECTING WIRE
  - CONDENSATE PIPE
  - B.O. ... BOTTOM OF ...
  - T.O. ... TOP OF ...

REFERENCE DRAWING	DRG. No.
HVAC & PLUMBING DESIGN CRITERIA	BK-GNRL-PEDCO-000-HV-DC-0001
SPECIFICATION FOR HVAC EQUIPMENT	BK-GNRL-PEDCO-000-HV-SP-0001
SPECIFICATION FOR DUCT WORK & PIPE WORK	BK-GNRL-PEDCO-000-HV-SP-0002
STANDARD DRAWING FOR HVAC & PLUMBING	BK-GNRL-PEDCO-000-HV-DW-0001
SYMBOL & LEGEND FOR HVAC & PLUMBING	BK-GNRL-PEDCO-000-HV-DW-0002
PLUMBING & SEWAGE PIPING LAYOUT FOR CCTV CONTROL ROOM - BINAK DU	BK-GCS-PEDCO-120-HV-PY-0013
ARCHITECTURAL DRAWING FOR CCTV CONTROL ROOM - BINAK DU	BK-GCS-PEDCO-120-AR-DW-0009
PLOT PLAN	IRITEC-IRASCO-290210-PP-91-00-001



**DX-SPLIT AIR CONDITIONER UNITS**

EQUIPMENT NO.	QTY.	TYPE	REQUIRED COOLING CAP. SENSIBLE/LATENT (BTU/HR)	REQUIRED HEATING CAP. (BTU/HR)	ACTUAL/NOMINAL CAP. SENSIBLE/LATENT (BTU/HR)	ELECTRIC POWER SUPPLY (V/PH/Hz)	POWER CONSUMPTION (KW)	SERVICE AREA	REMARK
1202-SUI-DUCR-04 1202-SUO-DUCR-04	1	WALL MOUNTED T3	17097/13393	10583	BY VENDOR	230/1/50	BY VENDOR	CONTROL ROOM & ENTRANCE	INDOOR AND OUTDOOR UNIT WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-DUCR-02 1202-SUO-DUCR-02	1	WALL MOUNTED T3	10909/0	-	BY VENDOR	230/1/50	BY VENDOR	RACK ROOM	INDOOR AND OUTDOOR UNIT WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING ONLY
1202-SUI-DUCR-03 1202-SUO-DUCR-03	1	WALL MOUNTED T3	10012/6390	2547	BY VENDOR	230/1/50	BY VENDOR	PANTRY	INDOOR AND OUTDOOR UNIT WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)

**EXHAUST FAN**

EQUIPMENT NO.	TYPE	FLOW (L/S)	TOTAL EXTERNAL PRESSURE DROP* (PA.)	SERVICE AREA	QTY.	REMARK
1202-EF-DUCR-01	CEILING MOUNTED EX. FAN	75	0.62	WC	1	φ=200 MM
1202-EF-DUCR-02	WALL MOUNTED EX. FAN	100	-	PANTRY	1	EQUIPPED WITH EXHAUST AIR LOUVER

\*Total Pressure Drop Include Louver and etc. Should Be Specified By Vendor.

**1 FLOOR PLAN HVAC System Layout**  
SC.1:50

100	CONTROL ROOM
101	RACK ROOM
102	PANTRY
103	WC
104	ENTRANCE

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D01	APR.2024	IPA	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR	
D00	JAN.2024	IPC	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR	**

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: HVAC SYSTEM LAYOUT FOR CCTV CONTROL ROOM - BINAK DU

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-GCS-PEDCO-120-HV-PY-0010	01 OF 01	D01	053-073-9184	F	4	B	709431	01 OF 01	D01