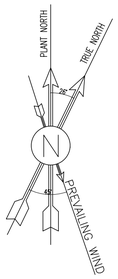

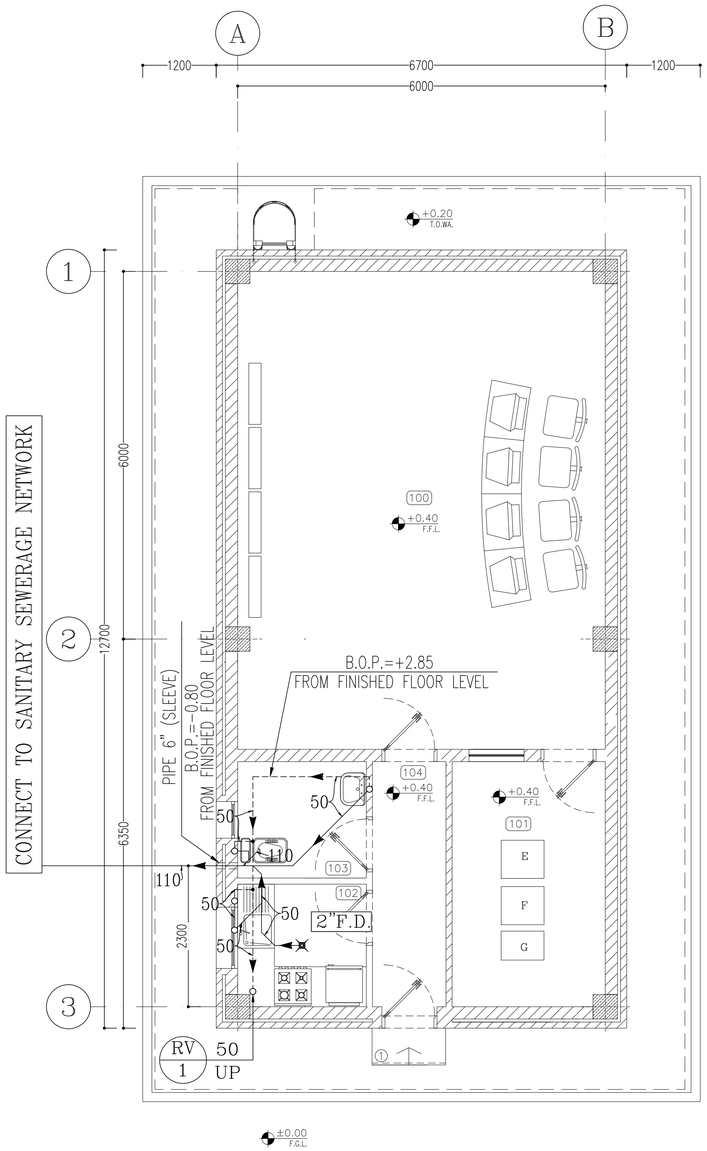

1 FLOOR PLAN
SC.1:50
Sewage Piping Layout

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

NOTES

D01

GENERAL NOTES:

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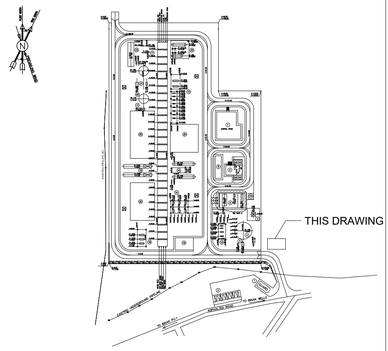
6. MATERIAL OF DOMESTIC COLD AND HOT WATER PIPES OUTSIDE BUILDING ARE GALVANIZED STEEL IN ACCORDANCE WITH ASTM A53 AND FITTINGS ARE IN ACCORDANCE WITH ASME B16.12.
7. DOMESTIC HOT WATER PIPING INSIDE THE BUILDING WILL BE COVERED WITH THERMAL INSULATION (WATER PIPE INSULATION) ACCORDING TO NIBR TOPIC 16.
8. DOMESTIC COLD WATER PIPING OUTSIDE THE BUILDING SHALL BE COVERED WITH ELASTOMERIC INSULATION (MIN 25MM)
9. TOP OF THE SUPPORT STEEL STRUCTURE SHALL BE CONSIDERED AS B.O.P.
10. MATERIAL OF SANITARY SEWER, VENT PIPES AND FITTINGS SHALL BE PVC-U (BD-TYPE) IN ACCORDANCE WITH EN 1451.
11. EXPOSED VENT PIPE AT ROOF LEVEL SHALL BE PROTECTED FROM SUNLIGHT BY PAINTING, COATING OR INSULATION.
12. SLOPE OF SEWAGE PIPES ARE 1.5% ~ 2% TO DRAIN.
13. MATERIAL OF DOMESTIC COLD AND HOT WATER PIPES INSIDE BUILDING SHALL BE FIVE LAYERED POLYETHYLENE PEX -AL- PEX ACCORDING TO ASTM F1281/1282 AND FITTINGS SHALL BE ACCORDING TO ASTM F1281/1282.
14. MATERIAL OF HOT DIPPED GALVANIZED STEEL PIPE SHALL BE ACCORDING TO ASTM A53 GR B AND FITTINGS SHALL BE ACCORDING TO ASTM A234 GR WPB.
15. ALL VALVES ABOVE THE FALSE CEILING SHALL HAVE ACCESS DOOR.
16. THE WASTE FROM BUILDING TO WASTE WATER NETWORK SHALL DISCHARGE BY GRAVITY FLOW.
17. FINAL ROUTE FOR PLUMBING SHALL NOT BE OVER AND NEAR THE ELECTRICAL & CONTROL PANEL.
18. EXPOSED VENT PIPE AT ROOF LEVEL SHALL BE PROTECTED FROM SUNLIGHT BY ANTI UV PAINTING.

LEGEND

DW	DOMESTIC COLD WATER LINE
V	VENT LINE
S	SEWAGE LINE
	DIRECTION OF FLOW
	GATE VALVE (NORMAL OPEN)
	GATE VALVE (NORMAL CLOSE)
	GLOBE VALVE
	CHECK VALVE (SWING TYPE)
	STRAINER (Y-TYPE)
B.O.P.	BOTTOM OF PIPE

REFERENCE DRAWING	DRG. No.
HVAC & PLUMBING DESIGN CRITERIA	BK-GNRAL-PEDCO-000-HV-DC-0001
SPECIFICATION FOR DUCT WORK & PIPE WORK	BK-GNRAL-PEDCO-000-HV-SP-0002
STANDARD DRAWING FOR HVAC & PLUMBING	BK-GNRAL-PEDCO-000-HV-DW-0001
SYMBOL & LEGEND FOR HVAC & PLUMBING	BK-GNRAL-PEDCO-000-HV-DW-0002
HVAC SYSTEM LAYOUT AND PLUMBING FOR FOR CCTV CONTROL ROOM – BINAK DU	BK-GCS-PEDCO-120-HV-PY-0010
ARCHITECTURAL DRAWING FOR CCTV CONTROL ROOM– BINAK DU	BK-GCS-PEDCO-120-AR-DW-0009
PLOT PLAN	IRITEC-IRASCO-290210-PP-91-00-001

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D01	APR.2024	IFA	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR
D00	JAN.2024	IFC	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.

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

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

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

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: PLUMBING & SEWAGE PIPING LAYOUT FOR CCTV CONTROL ROOM – BINAK DU

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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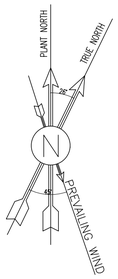
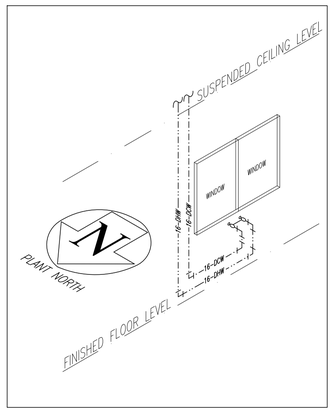
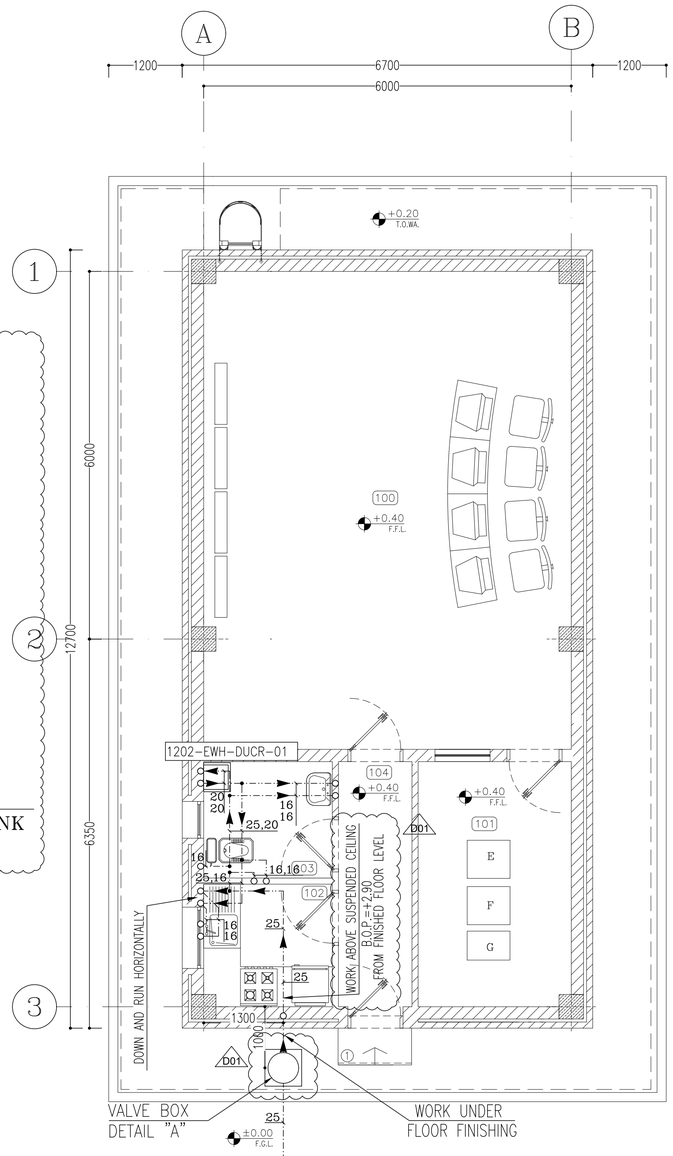




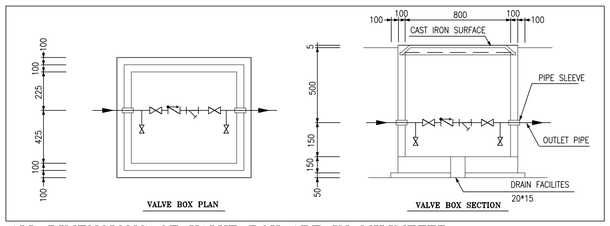
DETAIL "B"

POTABLE WATER PIPING SCHEMATIC ISOMETRIC FOR PANTRY SINK



CONNECT TO POTABLE WATER NETWORK

D01



ALL DIMENSIONS OF VALVE BOX ARE IN MILIMETER

DETAIL "A"

VALVE BOX PLAN AND SECTION

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

Hot Water Demand per Fixture (Office)

Fixture	Demand (GPH)	Quantity	Total Demand (GPH)
Basin, privet lavatory	2	1	2
Pantry Sink	10	1	10
Demand Factor	0.3		12
Storage Factor	2		

V = 12 × 0.3 × 2 × 3.785 = 27.252 Lit ~ 30 Lit

AUTOMATIC ELECTRICAL WATER HEATER

EQUIPMENT NO.	QTY	INSTALLATION AREA	TYPE	NOMINAL STORAGE TANK CAPACITY (Liter)	STORAGE TANK MATERIAL CONSTRUCTION	ELECTRIC POWER SUPPLY V/PH/Hz	HEATING ELEMENT POWER (KW)	INCLUDING
1202-EWH-DUCR-01	1	TOILET	WALL MOUNTED	30	GALVANIZED STEEL	230/1/50	2	STANDARD THERMOSTATS (A SAFETY CUT-OUT) PREVENTING THE ELECTRICALLY-LIVE PARTS TO BE IN CONTACT WITH WATER. AND EQUIPPED WITH DRAIN VALVE, TEMPERATURE GAGE AND ALL STANDARD ACCESSORIES

SC.1:50 — 2 FLOOR PLAN

Potable Water Piping Layout

NOTES D01

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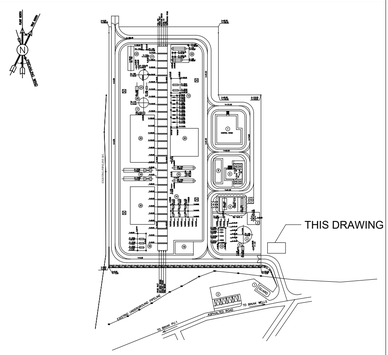
ARCHITECTURAL DRAWING FOR CCTV CONTROL ROOM- BINAK DU	BK-GCS-PEDCO-120-AR-DW-0009
PLOT PLAN	IRITEC-IRASCO-290210-PP-91-00-001

KEY PLAN



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D00	JAN.2024	IFC	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR	**.**

REV.	DESCRIPTION	CHECKED BY	DATE	REV. APPR. BY	DATE
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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