

Hot Wat	er Demand per Fi	ixture (Industri	al Plant)
Fixture	Demand (GPH)	Total Demand (GPH)	
Basin, privet lavatory	2	2	
Demand Factor	2		
Storage Factor	_		
	$V = 2 \times 0.4 \times 1 \times 1$	3.785 = 3.028 Lit	

## DETAIL "A": VALVE BOX PLAN AND SECTION

ALL DIMENSIONS OF VALVE BOX ARE IN MILIMETER

## 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-GCSWH-01	1	TOILET	WALL MOUNTED	10	GALVANIZED STEEL	230/1/50	1.7	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

100	STORAGE
101	INSTRUMENT WORKSHOP
102	INSTRUMENT STORAGE
103	TOILET
104	ROOF
105	WALKWAY

102	INSTRUMENT STO	RAGE						
103	TOILET							
104	ROOF					SME/	7	<b>1</b>
105	WALKWAY				TILIO			
			_		THIS A	.REA→		

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETER & ALL ELEVATIONS ARE IN METER UNLESS NOTED

2. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO

3. THIS DWG. SHOULD BE WORKED TOGETHER WITH THE OTHER MECHANICAL, ARCHITECTURAL ELECTRICAL DWGS.

4. ALL HORIZONTAL DOMESTIC WATER PIPES IN THE BUILDING SHALL RUN ABOVE THE FALSE CEILING UNLESS

5. MATERIAL OF DOMESTIC COLD AND HOT WATER PIPES OUTSIDE BUILDING ARE GALVANIZED STEEL IN

6. DOMESTIC HOT WATER PIPING INSIDE THE BUILDING WILL BE COVERED WITH THERMAL INSULATION (WATER

7. DOMESTIC COLD WATER PIPING OUTSIDE THE BUILDING SHALL BE COVERED WITH ELASTOMERIC INSULATION

9. MATERIAL OF SANITARY SEWER, VENT PIPES AND FITTINGS SHALL BE PVC-U (BD-TYPE) IN ACCORDANCE

10.EXPOSED VENT PIPE AT ROOF LEVEL SHALL BE PROTECTED FROM SUNLIGHT BY PAINTING, COATING OR

12.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

13.MATERIAL OF HOT DIPPED GALVANIZED STEEL PIPE SHALL BE ACCORDING TO ASTM A53 GR B AND FITTINGS

15. THE WASTE FROM BUILDING TO WASTE WATER TREATMENT OR PITS IN PLANT SHALL DISCHARGE BY GRAVITY

LEGEND

\_\_\_ . \_\_DW\_\_\_ . \_\_ DOMESTIC COLD WATER LINE

SEWAGE LINE

GLOBE VALVE

DIRECTION OF FLOW

GATE VALVE (NORMAL OPEN)

GATE VALVE (NORMAL CLOSE)

CHECK VALVE (SWING TYPE)

DRG. No.

BK-GNRAL-PEDCO-000-HV-DC-0001

BK-GNRAL-PEDCO-000-HV-SP-0001

BK-GNRAL-PEDCO-000-HV-SP-0002

BK-GNRAL-PEDCO-000-HV-DW-0001

BK-GNRAL-PEDCO-000-HV-DW-0002

BK-GCS-PEDCO-120-PI-DW-0005

STRAINER (Y-TYPE)

BOTTOM OF PIPE

16.FINAL ROUTE FOR PLUMBING SHALL NOT BE OVER AND NEAR THE ELECTRICAL & CONTROL PANEL.

& ANY CONFLICT SHOULD CLARIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ACCORDANCE WITH ASTM A53 AND FITTINGS ARE IN ACCORDANCE WITH ASME B16.12.

8. TOP OF THE SUPPORT STEEL STRUCTURE SHALL BE CONSIDERED AS B.O.P.

CONSTRUCTION.

OTHERWISE SPECIFIED.

ASTM F1281/1282.

PIPE INSULATION) ACCORDING TO NIBR TOPIC 16.

11. SLOPE OF SEWAGE PIPES ARE 1.5% ~ 2% TO DRAIN.

SHALL BE ACCORDING TO ASTM A234 GR WPB.

B.O.P.

REFERENCE DRAWING

HVAC & PLUMBING DESIGN CRITERIA

SPECIFICATION FOR HVAC EQUIPMENT

SPECIFICATION FOR DUCT WORK & PIPE WORK

STANDARD DRAWING FOR HVAC & PLUMBING

SYMBOL & LEGEND FOR HVAC & PLUMBING

U/G PIPING PLAN

SITE SEWERAGE SYSTEM LAYOUT & DETAILS

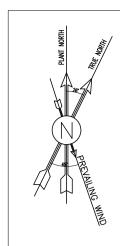
ARCHITECTURAL DETAIL DRAWING FOR GCS WAREHOUSE BK-GCS-PEDCO-120-AR-DW-0012

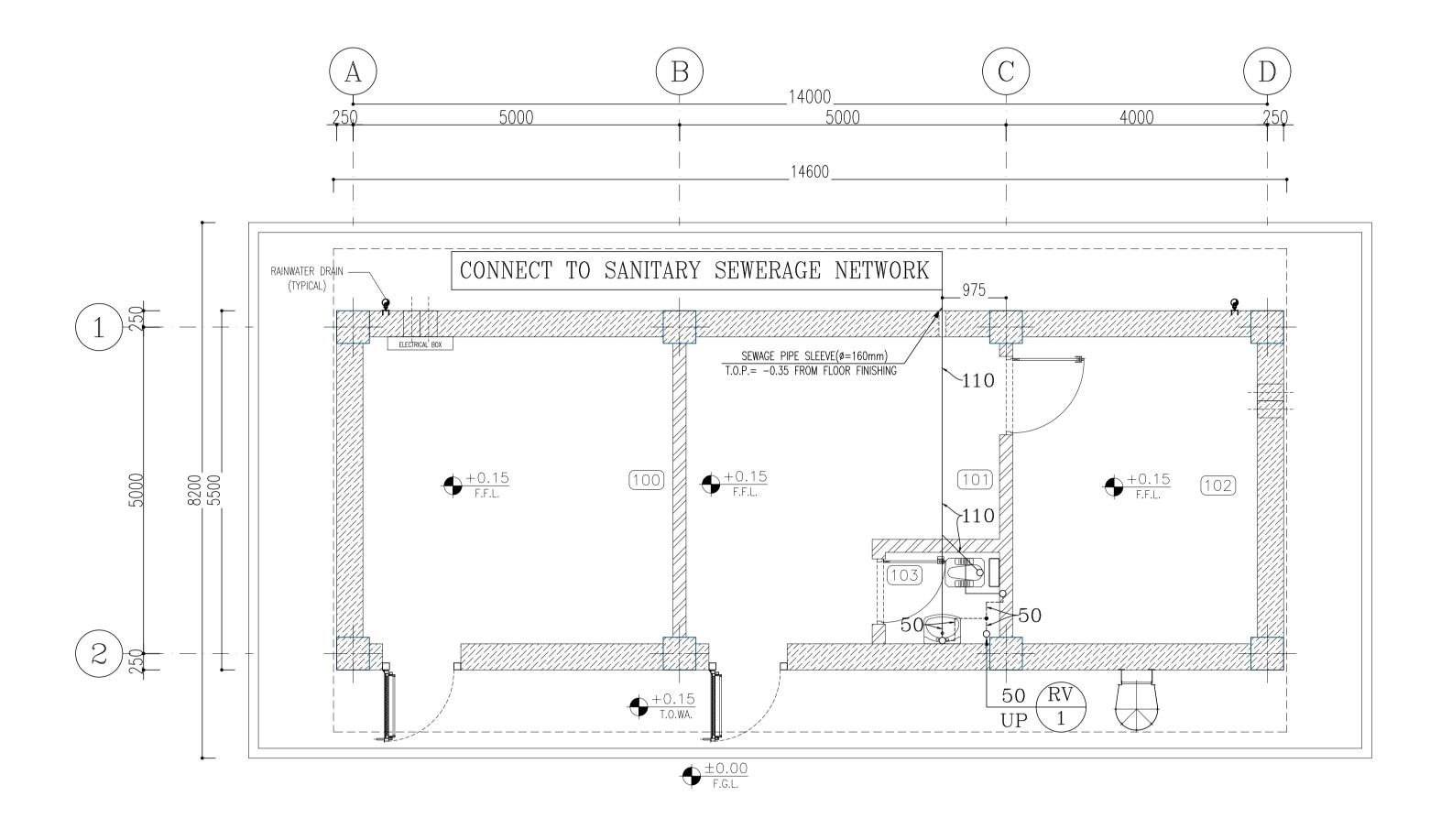
KEY PLAN

14. ALL VALVES ABOVE THE FALSE CEILING SHALL HAVE ACCESS DOOR.

							***	***	*****	**.**	***.***	**.**	**	**.***	
							REV.	DEG	DESCRIPTION		DATE	BY		DATE	
D00	APR.2024	IFC	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR	**.**	REV.	עבטע	CRIPTION	CHECKED		REV. APPR.		'R.	
REV.	DATE	P.O.I.S	PREP.	СНК.	APP.	AUT.	.د.	ت ملی مناطق نفت خیز جنوب میباشد.			صل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ه				
PROJECT NAME:  BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES  GAS COMPRESSOR STATION							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF								
PROJECT	ROJECT NO.: 971020							N.I.S.O.C./ FIELDS							
EPC CONT	HIRGAN		PETROIRAN DEVELOPMENT				BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION								
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PEDCO COMPANY			DA	TE	SCALE	DRAWING	ву снеск	ED BY	PROJEC	CT ENG.		
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	DRAWING '	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED												
,	PLUMBING & SEWAGE PIPING LAYOUT FOR GCS WAREHOUSE						APPROVED FOR CONSTRUCTION BY: DA					DATE:	DATE:	
	SCALE	SCALE SIZE DRAWING NO. SHEET NO. REV.					BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
	AS SHOWN	A1	BK-GCS-PEDCO-120-HV	V-PY-0017	01 <b>OF 02</b>	D00	053-073-9184	F	4	В	709525	01 OF 02	D00	





FLOOR PLAN

Sewage Piping Layout



PREP. CHK. APP.

EPD/EPC CONTRACTOR (GC):

PETROIRAN

COMPANY

**DEVELOPMENT** 

BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES

GAS COMPRESSOR STATION

971020

PEDCO

PLUMBING & SEWAGE PIPING LAYON FOR GCS WAREHOUSE

DRAWING NO.

BK-GCS-PEDCO-120-HV-PY-0017

D00 APR.2024

REV. DATE

PROJECT NAME:

PROJECT NO.:

EPC CONTRACTOR:

DRAWING TITLE:

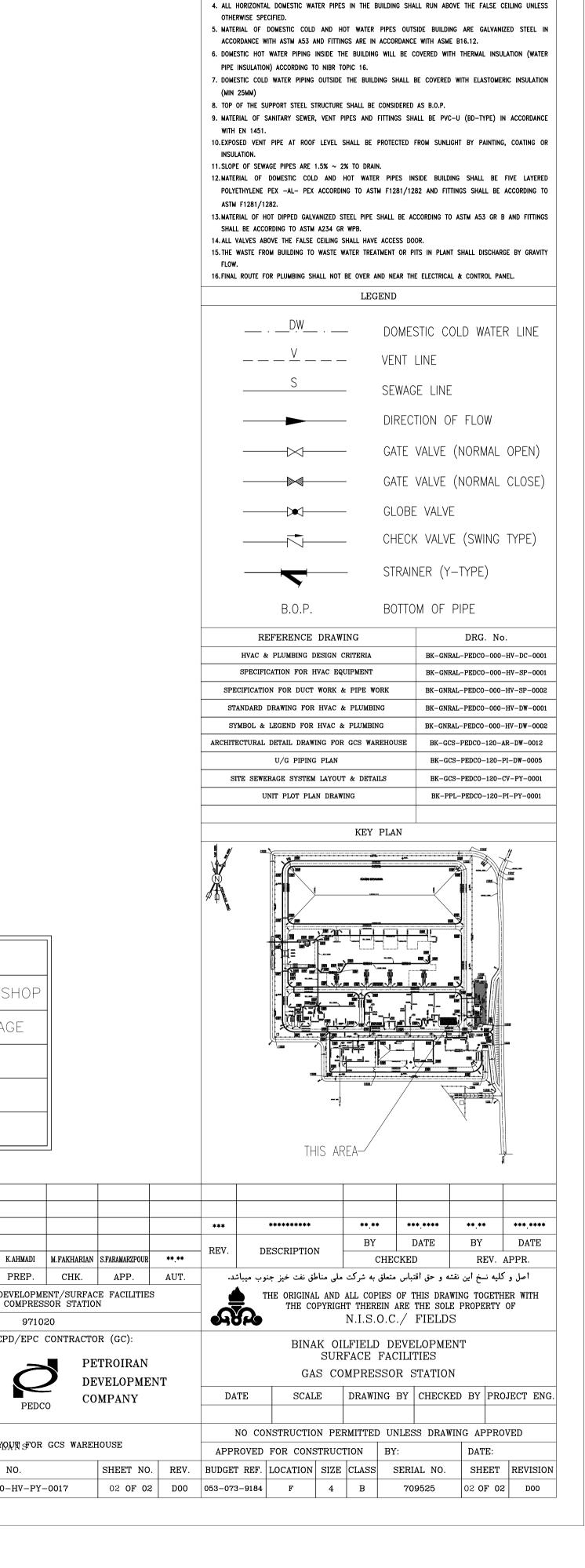
SIZE

SCALE

AS SHOWN

HIRGAN ENERGY - DESIGN & INSPECTION

COMPANIES



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