







- 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-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
Architectural Detail Drawing For Extension of EXISTING Control Building	BK-GCS-PEDCO-120-AR-PY-0001
U/G PIPING PLAN	BK-GCS-PEDCO-120-PI-DW-0005
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CY-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

SC.1:100 1 FLOOR PLAN  
Potable Water Piping Layout













DETAIL "01" : VALVE BOX PLAN AND SECTION

## NOTES

### GENERAL NOTES

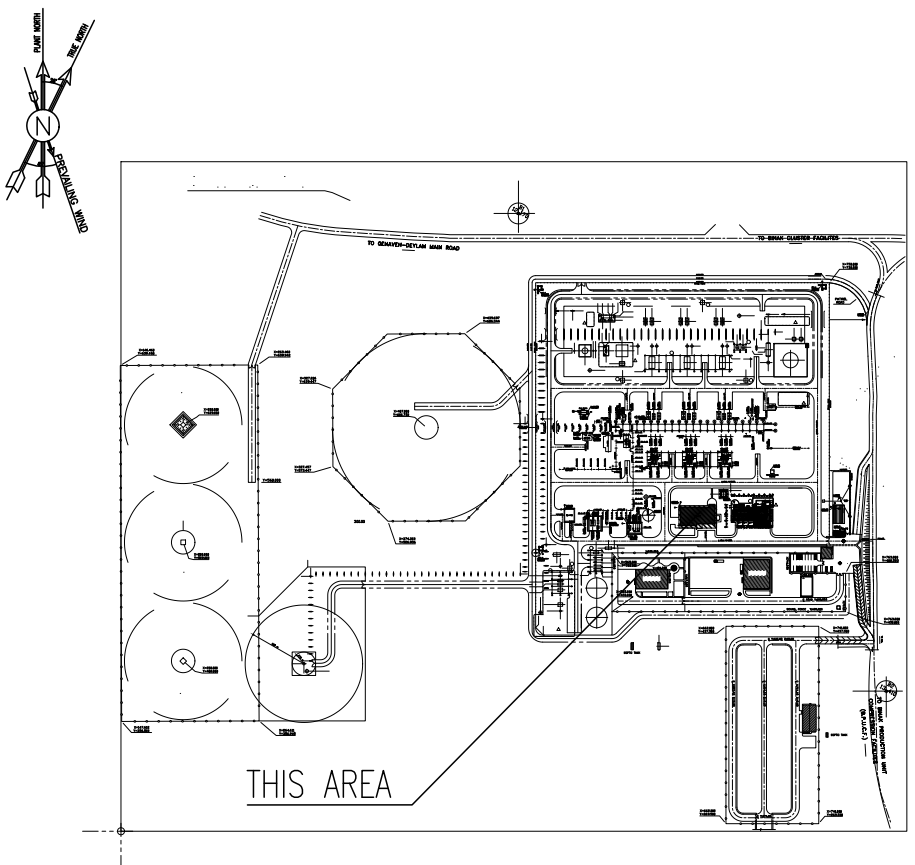
1. ALL DIMENSIONS ARE IN MILLIMETER & ALL ELEVATIONS ARE IN METER UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. THIS DWG. SHOULD BE WORKED TOGETHER WITH THE OTHER MECHANICAL, ARCHITECTURAL ELECTRICAL DWGS. & ANY CONFLICT SHOULD CLARIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. ALL HORIZONTAL DOMESTIC WATER PIPES IN THE BUILDING SHALL RUN ABOVE THE FALSE CEILING UNLESS OTHERWISE SPECIFIED.
5. MATERIAL OF DOMESTIC COLD AND HOT WATER PIPES OUTSIDE BUILDING ARE GALVANIZED STEEL PIPE.
6. ACCORDANCE WITH ASTM A53 AND FITTINGS ARE IN ACCORDANCE WITH ASME B16.12.
6. DOMESTIC HOT WATER PIPING INSIDE THE BUILDING WILL BE COVERED WITH THERMAL INSULATION (WATER PIPE INSULATION) ACCORDING TO MBR TOPIC 16.
7. DOMESTIC COLD WATER PIPING OUTSIDE THE BUILDING SHALL BE COVERED WITH ELASTOMERIC INSULATION (WHR 25MM)
8. TOP OF THE SUPPORT STEEL STRUCTURE SHALL BE CONSIDERED AS 0.0 P.
9. MATERIAL OF SANITARY SEWER, VENT PIPES AND FITTINGS SHALL BE PVC-U (BO-TYPE) IN ACCORDANCE WITH EN 1451.
10. SANITARY VENT PIPE AT ROOF LEVEL SHALL BE PROTECTED FROM SUNLIGHT BY PAINTING, COATING OR INSULATION.
11. SLOPE OF SEWAGE PIPES ARE 1.5% - 2% TO DRAIN.
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 ASTM F1281/1282.
13. 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.
14. ALL VALVES ABOVE THE FALSE CEILING SHALL HAVE ACCESS DOOR.
15. THE WASTE FROM BUILDING TO WASTE WATER TREATMENT OR PITS IN PLANT SHALL DISCHARGE BY GRAVITY FLOW.
16. FINAL ROUTE FOR PLUMBING SHALL NOT BE OVER AND NEAR THE ELECTRICAL & CONTROL PANEL.

### LEGEND

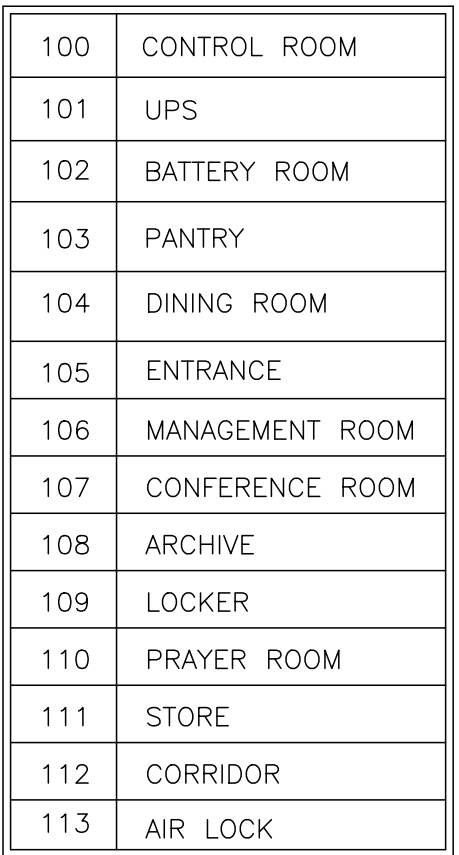
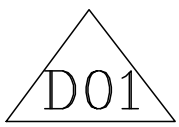
- |   |                            |
|---|----------------------------|
|  | DOMESTIC COLD WATER LINE   |
|  | VENT LINE                  |
|  | SEWAGE LINE                |
|  | DIRECTION OF FLOW          |
|  | GATE VALVE (NORMAL OPEN)   |
|  | GATE VALVE (NORMAL CLOSED) |
|  | GLOBE VALVE                |
|  | CHECK VALVE (SWING TYPE)   |
|  | STRAINER (Y-TYPE)          |
|  | BOTTOM OF PIPE             |

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
Architectural Detail Drawing For Extension of EXISTING Control Building	BK-GCS-PEDCO-120-AR-PY-0001
U/G PIPING PLAN	BK-GCS-PEDCO-120-PI-DW-0005
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CY-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

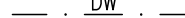








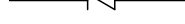
### KEY PLAN

[illegible]



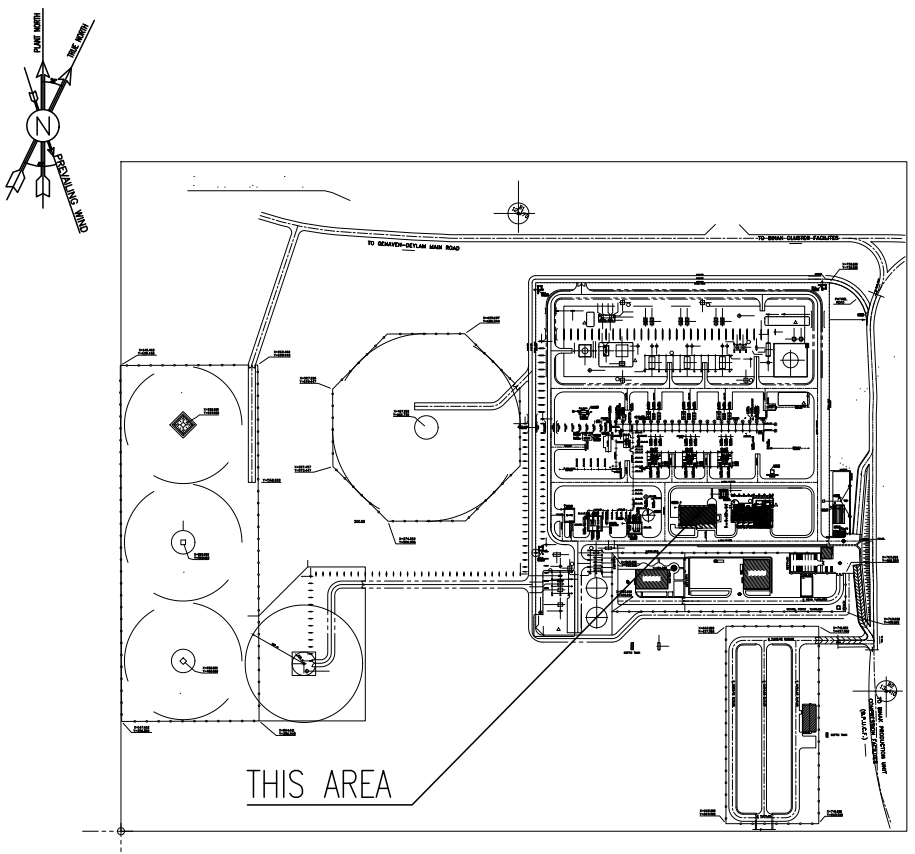


- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETER & ALL ELEVATIONS ARE IN METER UNLESS NOTED OTHERWISE.
  2. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  3. THIS DWG. SHOULD BE WORKED TOGETHER WITH THE OTHER MECHANICAL, ARCHITECTURAL, ELECTRICAL DWGS. & ANY CONFLICT SHOULD CLARIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  4. ALL HORIZONTAL DOMESTIC WATER PIPES IN THE BUILDING SHALL RUN ABOVE THE FALSE CEILING UNLESS OTHERWISE SPECIFIED.
  5. MATERIAL OF DOMESTIC COLD AND HOT WATER PIPES INSIDE BUILDING ARE GALVANIZED STEEL IN ACCORDANCE WITH ASTM A53 AND FITTINGS ARE IN ACCORDANCE WITH ASME B16.12.
  6. DOMESTIC HOT WATER PIPING INSIDE THE BUILDING WILL BE COVERED WITH THERMAL INSULATION (WATER PIPE INSULATION) ACCORDING TO NBR TOPIC 16.
  7. DOMESTIC COLD WATER PIPING OUTSIDE THE BUILDING SHALL BE COVERED WITH ELASTOMERIC INSULATION (MIN 25MM)
  8. TOP OF THE SUPPORT STEEL STRUCTURE SHALL BE CONSIDERED AS B.O.P.
  9. MATERIAL OF SANITARY SEWER, VENT PIPES AND FITTINGS SHALL BE PVC-U (80-TYPES) IN ACCORDANCE WITH EN 1451.
  10. EXPOSED VENT PIPE AT ROOF LEVEL SHALL BE PROTECTED FROM SUNLIGHT BY PAINTING, COATING OR INSULATION.
  11. SLOPE OF SEWAGE PIPES ARE 1:5% ~ 2% TO DRAIN.
  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 ASTM F1281/1282.
  13. 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.
  14. ALL VALVES ABOVE THE FALSE CEILING SHALL HAVE ACCESS DOOR.
  15. THE WASTE FROM BUILDING TO WASTE WATER TREATMENT OR PITs IN PLANT SHALL DISCHARGE BY GRAVITY FLOW.
  16. FINAL ROUTE FOR PLUMBING SHALL NOT BE OVER AND NEAR THE ELECTRICAL & CONTROL PANEL.

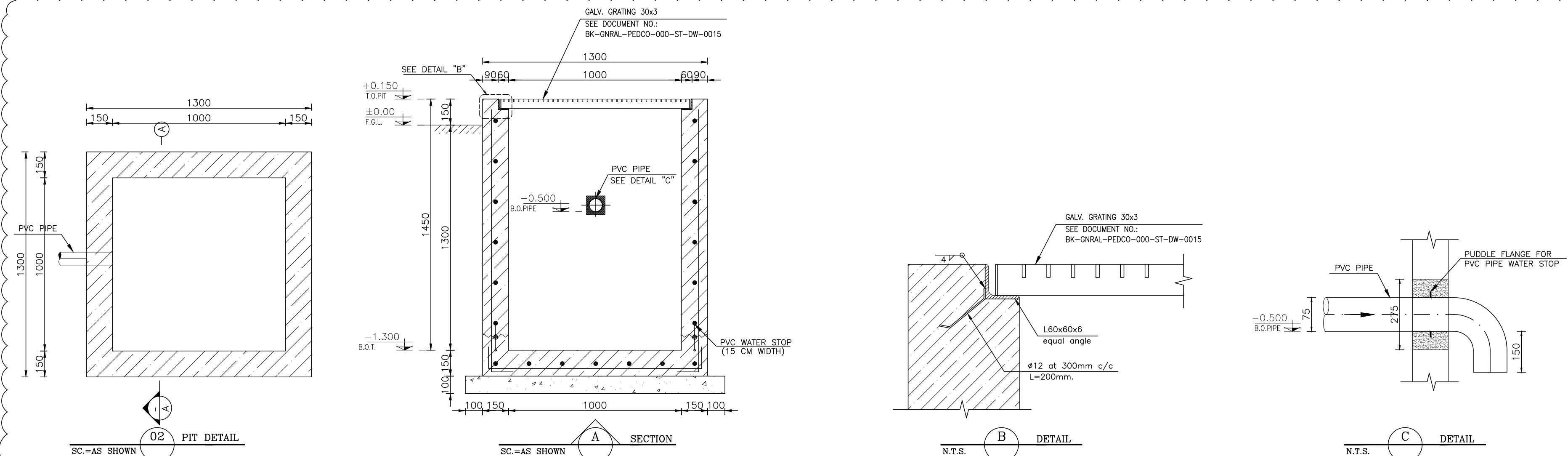
LEGEND	
	DOMESTIC COLD WATER LINE
	VENT LINE
	SEWAGE LINE
	DIRECTION OF FLOW
	GATE VALVE (NORMAL OPEN)
	GATE VALVE (NORMAL CLOSE)
	GLOBE VALVE
	CHECK VALVE (SWING TYPE)
	STRAINER (Y-TYPE)
	BOTTOM OF PIPE

REFERENCE DRAWING	DRG. No.
HVAC & Plumbing Design Criteria	BK-GNRL-PEDCO-000-HV-DK-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
Architectural Detail Drawing For Extension of EXISTING Control Building	BK-GCS-PEDCO-120-AR-DW-0011
U/G PIPING PLAN	BK-GCS-PEDCO-120-PI-DW-0005
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CV-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

## KEY PLAN



SC.1:100 2 FLOOR PLAN  
Sewage Piping Layout

[illegible]