

**PLUMBING LEGEND:**

- FEWC FIRE EXTINGUISHER W/ CABINET
- GV GATE VALVE
- CV CHECK VALVE
- F FAUCET
- WM WATER METER
- HB HOSE BIBB
- CWL COLD WATER LINE
- HWL HOT WATER LINE
- RD ROOF DRAIN
- CB CATCH BASIN
- DSP DRY STANDPIPE
- LAV LAVATORY
- WC WATER CLOSET
- UR URINAL
- FD FLOOR DRAIN
- SS SLOP SINK
- BS BAR SINK
- CO CLEAN-OUT
- FCO FLOOR CLEAN-OUT (BRASS)
- VS VENT STACK
- VSTR VENT STACK THRU ROOF
- DS DOWNSPOUT

**GENERAL NOTES**

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED IN ACCORDANCE TO THE PROVISIONS OF THE PHILS. PLUMBING CODE AND THE NATIONAL PLUMBING CODE RULES & REGULATIONS.
2. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER.
4. PROPOSED SANITARY LINES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED UNLESS OTHERWISE SPECIFIED.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
6. SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS OR AS SHOWN ON THE PLANS.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATE THE WORKS WITH SEWER LINE EFFLUENT DISPOSAL POINT & WATER LINE SERVICE CONNECTING POINT UNLESS OTHERWISE SPECIFIED.
8. ALL PIPE SIZES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED
9. ALL PIPE DIAMETER ARE INSIDE DIMENSION (NOMINAL) UNLESS OTHERWISE SPECIFIED.
10. VERIFY ARCHITECTURAL PLANS FOR THE EXACT LOCATION OR SETTING OUT OF FLOOR DRAINS, FLOOR CLEAN-OUTS AND OTHER PLUMBING APPURTENANCES.
11. ALL CONCEALED VALVES OR VALVES AT CEILING LEVEL SHALL BE PROVIDED WITH MAINTENANCE ACCESS

**MATERIAL SPECIFICATIONS**

**WATER LINES**

FROM TAPPING POINT TO WATER METER TO DISTRIBUTION SHALL BE GALVANIZED IRON (G.I.) PIPE PIPE SCHEDULE 40, CONFORMING TO ASTM A-53-80, BRAND FOR ENGINEERS APPROVAL. FITTINGS SHALL BE MALLEABLE IRON, CLASS 150. JOINTING SHALL BE SCREWED &/OR FLANGE CONNECTION. PROVIDE CORROSION PROTECTION, WRAPPED W/ BC PETROLATUM TAPE IN DIRECT CONTACT W/ OUTER PIPE SURFACE & PVC TAPE. SUBMIT PRODUCT FOR ENGINEER APPROVAL. FOR ROUGHING-IN OF TOILETS SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), POLYPROPYLENE, PIPES & FITTINGS, JOINTING SHALL BE BY SOCKET FUSION, OR COMPOSITE PIPES WITH BRASS FITTINGS - PIPE COMPOSITION SHALL BE HDPE OR XPE WITH LASER WELDED ALUMINUM, CONFORMING TO ASTM F1335, ASTM F-1281/F-1282.

**SEWER/WASTE/ DRAIN LINES / STACKS**

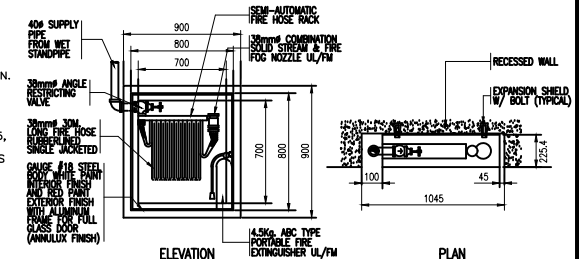
SEWER/WASTE/ DRAIN LINES SHALL BE POLYETHYLENE PIPES & FITTINGS HIGH DENSITY DIN STANDARD, MINIMUM WALL THICKNESS SDR-41 & ELECTRO FUSION WELDING.

**WATER METER**

"ASAHI", "BERMAD" OR AQUA-JET. SUBMIT SAMPLE FOR ENGINEER APPROVAL. "CLA-VAL", "NIBCO", "KITZ", "BERMAD" OR APPROVED EQUAL. "METMA" OR APPROVED EQUAL.

**VALVES**

**DRAINS**



**4 DET. OF FIRE HOSE CABINET**  
SCALE: 1/4" = 1'-0"  
NTS

**LIQUIGAN ARCHITECTS & CONSULTANCY**  
ARCHITECTS • ENGINEERS • CONSULTANTS  
79 AVOCADO ST. TANZA, TUGUEGARAO CITY, CAGAYAN 3500, Phil. Tel. No. (078) 846-3158, Mobile - 0916-3883309



**PROPOSED 5-STORY OFFICE BUILDING**  
PHILIPPINE FIBER DEVELOPMENT AUTHORITY COMPOUND  
VISAYAS AVE., DILIMAN, QUEZON CITY.

DESIGNED BY:	HIPOLITO A. LIQUIGAN
DATE DESIGNED:	
REVISIONS:	
DATE:	
APP. NO.:	
DATE:	
DATE:	

DESIGNED BY:	HIPOLITO A. LIQUIGAN	PRINCIPAL ARCHITECT
DATE DESIGNED:		
REVISIONS:		
DATE:		
APP. NO.:		
DATE:		
DATE:		

RECOMMENDING APPROVAL:	JOSE L. CATALLA OIC - RESEARCH DIVISION	ENGR. PETRONILO B. JABAY OIC - DEPUTY EXECUTIVE DIRECTOR
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APPROVED BY:	EDUARDO B. HOLOYOHAY, CESO V OIC - EXECUTIVE DIRECTOR
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SHEET CONTENT	AS SHOWN
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