

GENERAL NOTES

1.

IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTING, VALVE AND APPURTENANCE. ALL SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE OWNER.
2.

ALL PLUMBING WORKS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISION OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTION OFFICE, PERTINENT PROVISIONS OF THE UNIFORM BUILDING CODE AND THE NATIONAL BUILDING CODE OF THE PHILIPPINES.
3.

ALL PLUMBING INSTALLATIONS SHALL BE COORDINATED WITH OTHER TRADES. ANY REVISION IN THE PIPING LAYOUT REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE PROJECT ENGINEER.
4.

HORIZONTAL SANITARY SEWER PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AT A MINIMUM SLOPE OF 1% FOR PIPES 100MMØ AND LARGER AND 2% FOR 75MMØ AND SMALLER.
5.

ALL VENT PIPE SHALL BE FREE FROM DROPS OR SAGS AND SHALL BE SLOPED OR GRADED AS TO DRIP BACK BY GRAVITY TO THE DRAINAGE PIPE IT SERVES.
6.

ALL PLUMBING FIXTURES SHALL BE INDIVIDUALLY VENTED.
7.

ALL DIMENSIONS AND PIPE SIZES ARE IN MILLIMETERS EXCEPT OTHERWISE SHOWN. INDICATED METRIC EQUIVALENT USED ON THESE PLANS FOR PIPE SIZES:

1/2"

= 15mm

3/4"

= 20mm

1 1/4"

= 32mm

1 1/2"

= 40mm

2"

= 50mm

2 1/2"

= 65mm

3"

= 75mm

4"

= 100mm

6"

= 150mm

8"

= 200mm

10"

= 250mm

12"

= 300mm
8.

THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, SUCH AS, THE ACTUAL PIPE SIZES, LOCATIONS, DEPTHS, TOP AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND RELATED STRUCTURES. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATIONS, BACKFILLING AND SURFACE RESTORATION OF THE AFFECTED AREAS IN THE LAYING OF SEWER, STORM DRAINAGE AND SUPPLY LINES.
9.

CONDENSATE DRAINAGE SYSTEM FOR AIRCONDITIONING EQUIPMENT INCLUDING PIPINGS, FITTINGS, SUPPORTS, ALL REQUIRED ACCESSORIES AND TAPPING PINTS SHALL BE PART OF MECHANICAL WORKS.
10.

PROVIDE VALVE BOX FOR EACH EMBEDDED GATE VALVE.
11.

THE SIZES OF WATER SUPPLY FIXTURES SHALL BE IN ACCORDANCE THE MANUFACTURER’S INSTRUCTIONS

MATERIAL SPECIFICATIONS

DOWNSPOUTS AND DRAINAGE LINE (INSIDE AND OUTSIDE OF BUILDING)

- SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE (uPVC) PIPE AND FITTINGS FOR 10 150mmØ AND SMALLER CONFORMING TO ASTM D2729, SIMILAR TO NELTEX, MOLDEX OR EMERALD SERIES 1000 uPVC OR APPROVED EQUIVALENT.
- SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGSS FOR 300mmØ AND LARGER, PE 3408 SDR 17 CONFORMING TO ASTM D3350, ASTM F714, AND ASTM D3261

EQUIVALENT PIPE SIZE FOR WATER PIPES

	PIPE SIZES IN MILLIMETERS (mm)							
NOMINAL PIPE SIZE DIAMETER	15	20	25	32	40	50	63	75
POLYPROPYLENE RANDOM (PPR)	20	25	32	40	50	63	75	100
UNPLASTICIZED POLYVINYL CHLORIDE (uPVC)	15	19	25	32	40	50	65	80

PLUMBING LEGEND AND SYMBOLS

	COLD WATERLINE	CWDF	COLD WATER DOWN FEED	LAV	LAVATORY
	SOIL PIPE/ WASTE PIPE	BS	BIDET SPRAY	PD	PLANTER'S DRAIN
	VENT PIPE	CWR	COLD WATER RISER	RD	ROOF DRAIN
	STORM DRAIN PIPE	DD	DECK DRAIN	RED	REDUCER
	FLOOR CLEANOUT	DP	DRAIN PIPE	SHO	SHOWER HEAD
	GROUND CLEANOUT	DS	DOWNSPOUT	SP	SOIL PIPE
	GATE VALVE	EPDR/L	ELEVATOR PIT PIPE DISCHARGE RISER/LINE	SS	SLOP SINK
	CHECK VALVE	FD	FLOOR DRAIN	UR	URINAL
	WATER METER	GD	GUTTER DRAIN	VS	VENT STACK
	INCREASER/ REDUCER	GT	GREASE TRAP	VSTD	VENT STACK THRU DECK
	CATCH BASIN	HB	HOSE BIBB	VSTR	VENT STACK THRU ROOF
	SEPTIC TANK	KLAV	KID’S LAVATORY	VSTW	VENT STACK THRU WALL
	AIR ADMITTANCE VALVE	KS	KITCHEN SINK	WC	WATER CLOSET
	COMBINED SOIL AND WASTE STACK	KUR	KID’S URINAL	WP	WASTE PIPE

