PLUMBING SYSTEM

GENERAL NOTES :

1. ALL CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH APPROVED GASKETS.
2. ALL PIPES SHALL BE RUN PARALLEL TO WALLS OR BEAMS, AND SHALL BE NEATLY GROUPED ON COMMON PIPE SUPPORTS.
3. THIS PLUMBING CONTRACTOR SHALL GET FORMAL APPROVAL FROM THE SITE ENGINEER OR ARCHITECT BEFORE FIXING EXPOSED AND VISIBLE PIPEWORK.
4. ALL PIPES THRU' WATER TIGHT STRUCTURES SHALL BE MADE WATER-TIGHT WITH PUDDLE FLANGE AT THE POINT OF PENETRATION.
5. ALL WATER PIPES TO BE PROPERLY GRADED IN DIRECTION OF FLOW. THIS PLUMBING CONTRACTOR WILL BE ENTIRELY RESPONSIBLE FOR THE CORRECT GRADING TO ENSURE THAT THERE WILL BE NO WATER HAMMER, AIR OR OTHER RELATED PROBLEMS.
6. ALL PIPES THROUGH FLOOR SLAB AND WALL SHALL HAVE STEEL SLEEVE ONE DIAMETER LARGER THAN THE PIPE SIZE, SPACE BETWEEN THE SLEEVE AND PIPE SHALL BE CAULKED WITH FIRE RESISTANT MATERIAL.
7. THE PLUMBING CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS FOR PENETRATIONS THROUGH R.C BEAMS, WALLS AND FLOOR SLABS ARE SUBMITTED IN ADVANCE TO THE STRUCTURAL ENGINEERS' FOR APPROVAL PRIOR TO CONSTRUCTION. ALL REMEDIAL WORKS ARISING FROM FAILURE TO DO SO SHALL BE CARRIED OUT AT THE PLUMBING CONTRACTOR'S
8. THE PLUMBING CONTRACTOR SHALL NOTE THAT THE POSITION OF THE SANITARY FITTING POINTS ARE INDICATIVE AND APPROXIMATE AS SHOWN ON THE DRAWINGS, THE ACTUAL POSITIONS SHALL BE BASED ON THE ARCHITECT'S / STRUCTURAL DRAWINGS.
9. ALL TANKS SHALL BE COMPLETED WITH EXTERNAL/INTERNAL CAT LADDER, OVERFLOW AND SCOUR PIPE, WARNING PIPE, VENT PIPE , ACCESS OPENING AND NECESSARY ACCESSORIES
10. PIPE ARRANGEMENT IN RISE DETAILS ARE DIAGRAMATIC ONLY. THE PLUMBING CONTRACTOR SHALL ARRANGE PIPING FOR ACCESSIBILITY.

SANITARY INSTALLATION

SANITARY FIXTURE	SUPPLY WATER	SOIL PIPE	WASTE PIPE	VENT PIPE	REMARKS
	DN	DN	DN	DN	
WATER CLOSET (TANK)	15	100	-	50	-
WATER CLOSET (FLUSH VALVE)	20	100	-	50	-
URINAL (ANGLE.V)	15	50	-	40	-
LAVATORY	15	-	40	32	W/P-TRAP
SHOWER	15	-	50	-	-
STAINLESS SINK	15	-	50	32	W/P-TRAP
FLOOR DRAIN	-	-	50	32	W/P-TRAP
HOSE BIBB	15	-	-	-	-
BATH TUB	15	-	50	32	W/P-TRAP
WASHING MACHINE	15	-	50	32	

FIXTURE UNIT SCHEDULE

ITEM	DESCRIPTION	SPECIFICATION
WC	WATER CLOSET	REFER TO ARCHITECTURAL DWGS
UR	URINAL	REFER TO ARCHITECTURAL DWGS
LAV	LAVATORY	REFER TO ARCHITECTURAL DWGS
SH	SHOWER	REFER TO ARCHITECTURAL DWGS
BT	BATHTUB	REFER TO ARCHITECTURAL DWGS
KS	KITCHEN SINK	REFER TO ARCHITECTURAL DWGS
HB	HOSE BIBB	REFER TO ARCHITECTURAL DWGS

MATERIALS

CODE	MATERIAL
COLD WATER PIPE UNDERGROUND (CW)	PPR-PN10
COLD WATER PIPE IN BUILDING (CW)	PPR-PN10
HOT WATER PIPE (HW)	PPR-PN20

SYMBOL

SYMBOL	DESCRIPTION
CW	COLD WATER PIPE
HW	HOT WATER SUPPLY
UP	ELBOW , TURN UP
DN	ELBOW , TURN DOWN
	GATE VALVE (NORMALLY OPEN)
	GATE VALVE (NORMALLY CLOSE)
	BALL VALVE

	FLOAT VALVE
	CHECK VALVE
	GLOBE VALVE
	COCK VALVE
	BALANCING VALVE
	FLEXIBLE JOINT
	RUBBER JOINT
	STRAINER
	PRESSURE GAUGE
M	WATER METER
	LEVEL SWITCH
	FLOW SWITCH
P	PRESSURE SWITCH
P	WATER PUMP
FC.	FAUCET
AAV	AUTOMATIC AIR VENT
U/S	UNDER SLAB
U/G	UNDER GROUND
A/C	ABOVE CEILING
I/W	IN WALL
F/A	FROM ABOVE
F/B	FROM BELOW
T/A	TO ABOVE
T/B	TO BELOW
AFFL	ABOVE FINISH FLOOR LEVEL

LEGEND:

Impression design

ARCHITECTURE PLAN

OWNER	STAR FIRE
ARCHITECT	HOR KIMHORNG

DRAWING TITLE : PLUMBING SYMBOLS

DATE: 13/03/2016	SCALE: 1/100
DRAWING NO:	AS-P-02