

#### NOTES : (Plumbing)

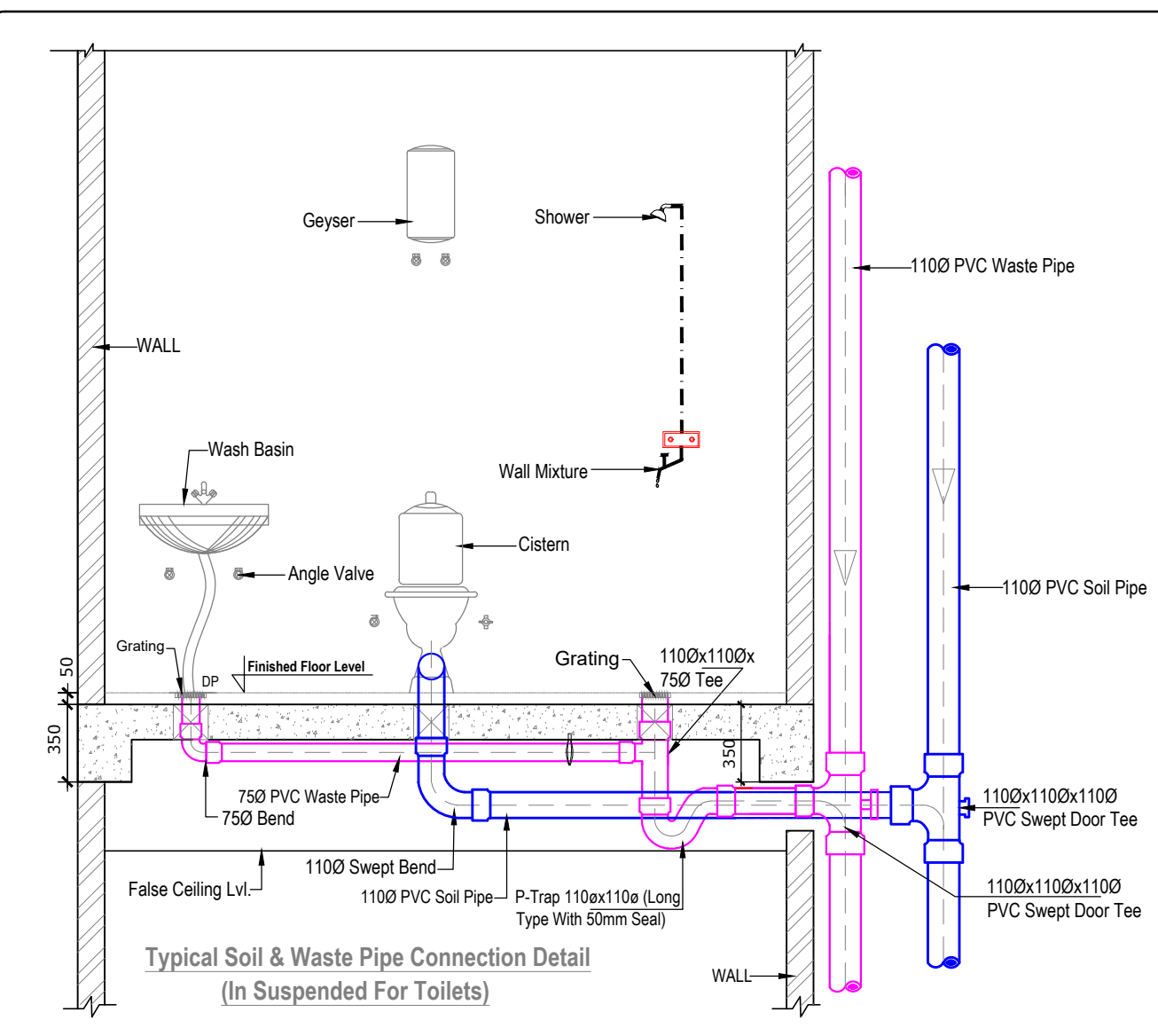
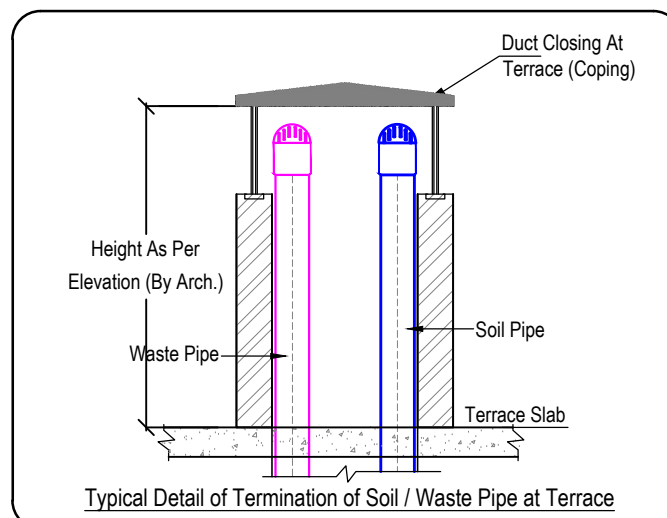
- COLD WATER SUPPLY PIPE MATERIAL**
  - For inside toilet (domestic) - CPVC (SDR-11) with solvent cement joints
  - For inside toilet (recycle) - UPVC SCH 40 Pipes With SCH 80 fittings by solvent cement joint
  - For duct / terrace - UPVC SCH 80 Pipes With SCH 80 fittings by solvent cement joint
  - From OHT to terrace lvl. - G.I. (CLASS B) by teflon tape
- Hot water supply pipe material**
  - For inside toilet - CPVC (SDR-11) with solvent cement joints
  - For duct / terrace - CPVC (SDR-11) with solvent cement joints
- The water supply pipe diameter mention on the drawing is nominal bore I/D.
- Soil / waste / vent / rain water pipe material**
  - Up to 65 mm dia pipe (toilet floor) - UPVC (S KGSQ CM.) as per IS - 4985 (suitable for solvent cement joint)
  - 75/90/110/160 mm dia pipe - UPVC (TYPE B) (SWR grade) as per IS - 13592 & IS - 14735 (suitable for rubber ring joint)
  - 75 / 110 mm dia pipe (under toilet floor) - UPVC (TYPE B) (SWR grade) as per IS-13592 & IS-14735 (suitable for solvent cement joint)
- All the floor traps which are directly connected to pipe and manhole shall strictly be of P Trap (long type) with min. 50 mm seal.
- The surface floor of toilets and wet areas shall be provided with Water proofing Treatment, slope and a 32 m.m. G.I. spout.
- The slope of the pipes laid under toilet floor shall be in between 1 in 10 to 1 in 40.
- The slope of toilet floors towards the floor trap shall be 1 in 40 (minimum).
- The slope of terrace from ridge line towards rain water pipes shall be 1 in 100 to 1 in 125.
- All hot water pipes on terrace / duct shall be insulated by nitrile rubber. the thickness of insulation will be :-
  - For 15 & 20 mm dia. pipe - 9 mm thick
  - For 25, 32 & 40 mm dia. pipe - 13 mm thick
  - For 50 mm & above dia. pipe - 19 mm thick
 For terrace installation the nitrile rubber insulation will be protected by polyshield mechanical protection.
- All soil & waste pipes laid under toilet / kitchen floor shall be covered around with 75 m.m. C.C. (1 : 1.5 : 3)
- All Plumbing Pipes inside shafts have to be supported at not more than 1.5 M. C/C. All pipes should be clamped on the G.I. Slotted Angle (40 x 40 x 3 MM) by G.I. "U" Strap Clamp. The individual pipe may be supported by G.I. rubber lined split clamp.
- All ewc's shall be floor mounted type and the model should be so selected, that the S trap outlet centre should be 200 - 300 mm from back wall. (unless specifically specified)
- The mounting height of different appliances / taps shall be as under
 

a) Wall mixture (for bathing)	1050 m.m.
b) Shower	2050 m.m. / or as specified
c) Kitchen tap / mixture	Table top /1050 m.m.
d) Angle valve	
i) For toilet geyser	1550 m.m. / or as per site
ii) For kitchen geyser	2200 m.m. / or as per site
iii) For washing machine	600 m.m.
iv) For water purifier	1050 m.m.
v) For health spray (for W.C.)	300 m.m.
vi) For cistern (for W.C.)	300 m.m.
vii) For wash basin	500 m.m.
e) For wash basin (top of rim)	800 - 850 m.m.
f) Ablution tap	300 m.m.

#### LEGEND : (Plumbing)

S. No.	SYMBOL	DESCRIPTION
1.		1100 UPVC SOIL AND VENT PIPE
2.		1100 UPVC WASTE AND VENT PIPE
3.		1100 UPVC RAIN WATER PIPE
4.		750 UPVC RAIN WATER PIPE
5.		DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN
6.		HOT WATER SUPPLY PIPE (FROM SOLAR SYSTEM)
7.		RECYCLE WATER SUPPLY DROP FROM O.H.T. TO W.C.
8.		DOMESTIC WATER SUPPLY RISER TO FILL O.H.T.
9.		DOMESTIC WATER SUPPLY RISER TO FILL O.H.T.
10.		GEYSER
11.		ABLUTION TAP
12.		HEALTH SPRAY WITH ANGLE VALVE
13.		TAP / MIXTURE & SHOWER
14.		COLD WATER SUPPLY PIPE (CWS)
15.		HOT WATER SUPPLY PIPE (HWS)
16.		SOLAR HOT WATER SUPPLY PIPE (SWS)
17.		RECYCLED WATER SUPPLY PIPE (RWS)
18.		ISOLATING VALVE
19.		NON RETURN VALVE
20.		DRAIN POINT
21.		PLAIN FLOOR TRAP - 6" deep (50 mm water seal)
22.		MULTI FLOOR TRAP - 6" deep (50 mm water seal)
23.		P TRAP (110 X 110 MM) (50 mm water seal)
24.		EUROPEAN W. C.
25.		WASH BASIN
26.		SINK WITHOUT DRAIN BOARD
27.		WATER PURIFIER
28.		WASHING MACHINE
29.		GULLY TRAP
30.		MANHOLE
31.		CATCH PIT
32.		ANGLE VALVE
33.		GROUND LEVEL
34.		INVERT LEVEL
35.		CONNECTION LEVEL
36.		

- Confirm WC model wall hung or floor mounted
- Confirm provision of diverter or shower mixture
- Confirm provision of solar hot water in kitchen
- Confirm provision of recycle water in toilet



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subtitle <b>Ground, First &amp; Terrace floor plan (UNIT 6.5x13m)</b>		
drawing released for <input type="checkbox"/> APPROVAL <input type="checkbox"/> SUBMISSION <input checked="" type="checkbox"/> ADVANCE COPY <input type="checkbox"/> CONSTRUCTION		
drg. no. AL / 19B13 / P-01	drawn by Chhinder Pal	
scale 1:50@A1	designed by Badri Vishal	
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