

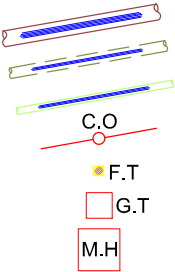
PUBLIC HEALTH GENERAL NOTES

1. THESE GENERAL NOTES ARE PROVIDED TO SUPPLEMENT THE WRITTEN SPECIFICATION FOR THIS PROJECT. REFER TO THE SPECIFICATIONS FOR MORE DETAILED REQUIREMENTS OF THIS PROJECT.
2. PERFORM ALL WORK IN A WORKMAN LIKE MANNER, IN COMPLIANCE WITH THE LATEST ADOPTED EDITIONS OF ALL GOVERNING CODES AND STANDARDS. IF CONFLICTS ARISE, REQUEST RESOLUTION FROM THE ARCHITECT. IF REQUIRED INFORMATION IS MISSING FROM THIS DRAWING (I.E, DUCT SIZE OR PIPE SIZE), REQUEST WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO THE EXECUTION.
3. PROVIDE ALL MINOR INCIDENTAL ITEMS SUCH AS OFFSETS, FITTINGS, ETC, REQUIRED AS PART OF THE WORK EVEN THOUGH NOT SPECIFICALLY SHOWN ON DRAWINGS. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE NUMBER OF ITEMS OF EQUIPMENT AS INDICATED ON THE DRAWINGS AND AS REQUIRED FOR COMPLETE SYSTEMS.
4. THE PLUMBING DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, DUCT WORK, MECHANICAL EQUIPMENT AND APPURTENANCES, AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF THEIR TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE PLUMBING DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND PROVIDE SUCH FITTINGS, VALVES AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.
5. VERIFY DIMENSIONS GOVERNING PLUMBING WORK AT THE BUILDING. DO NOT SCALE THE PLUMBING DRAWINGS FOR DIMENSIONS. TAKE DIMENSIONS, MEASUREMENTS, LOCATIONS, LEVELS, ETC. FROM THE ACTUAL FIELD CONDITIONS AND ARCHITECTURAL DRAWINGS.
6. EXAMINE ALL ADJOINING WORK ON WHICH THE PLUMBING WORK IS DEPENDENT OF MAXIMUM EFFICIENCY AND REPORT DESIGN CONFLICTS WHICH MUST BE CORRECTED PRIOR TO EXECUTION. NO WAIVER OF RESPONSIBILITY SHALL BE CLAIMED OR ALLOWED DUE TO FAILURE TO REPORT UNFAVORABLE CONDITIONS AFFECTING THE PLUMBING WORK.
7. CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING, VALVES, CONTROLS, INSULATION ETC. TO ALL PLUMBING EQUIPMENT SCHEDULED OR INDICATED ON PLANS REGARDLESS OF WHETHER PIPING, VALVES, CONTROLS, INSULATION ETC. ARE SPECIFICALLY SHOWN OR NOT PLUMBING EQUIPMENT INSTALLATION SHALL BE 100% COMPLETE FOR PROPER EQUIPMENT FUNCTION AND/OR OPERATION AT COMPLETION OF PROJECT.
8. THE ARCHITECTURAL AND ENGINEERING DRAWINGS ARE COMPLEMENTARY. CONTRACTORS SHALL ACKNOWLEDGE THE ARCHITECTURAL AS WELL AS ALL THE ENGINEERING DRAWINGS AND INCLUDE ALL WORK NECESSARY TO ACHIEVE A COMPLETE WORKING. INSTALLATION FOR ANY DEVICE OR EQUIPMENT WHICH MAY BE SHOWN ON ONE DRAWING BUT NOT SHOWN ON ANOTHER.
9. LOCATION OF PIPES, DUCTS, SWITCHES, PANELS, EQUIPMENT AND FIXTURES SHALL BE ADJUSTED TO ACCOMMODATE THE WORK OR INTERFERENCES ANTICIPATED AND ENCOUNTERED. DETERMINE THE EXACT ROUTE AND LOCATION OF EACH PIPE AND DUCT PRIOR TO FABRICATION.
10. LOCATION OF EXISTING UTILITIES AND EXISTING UNDERGROUND PLUMBING ARE BASED ON THE SITE INFORMATION AVAILABLE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UTILITIES AND EXISTING UNDERGROUND PLUMBING PRIOR TO FABRICATION AND ERECTION OF WORK TO AVOID ALL INTERFERENCES. VERIFICATION SHALL BE BY SITE INSPECTION, EXCAVATION, OR WHATEVER MEANS NECESSARY TO DETERMINE EXACT LOCATIONS.
11. CONTRACTOR SHALL OBTAIN BUILDING PERMIT AND ARRANGE ALL REQUIRED INSPECTIONS WITH THE APPROPRIATE REGULATORY AGENCY. ALERT CONSULTANT OF ALL ITEMS NOT DEPICTED ON DRAWINGS. DO NOT PROCEED WITH FURTHER WORK UNTIL WRITTEN RESPONSE IS RECEIVED FROM CONSULTANT.
12. CONTRACTOR SHALL VERIFY GAS PRESSURE DELIVERED BY METER AT BUILDING.
13. TEST THREADED NATURAL GAS PIPING AT 20 PSIG FOR A TEST PERIOD OF 2 HOURS. TEST PRESSURE SHALL NOT FALL OVER 5% DURING TEST PERIOD TO PASS. IF PIPING FAILS TEST, INVESTIGATE AND REPAIR THE SOURCE OF
14. PROVIDE SLEEVES AT ALL PIPING PENETRATIONS OF CONCRETE OR MASONRY FLOOR, WALL OR ROOF CONSTRUCTION.
15. PROVIDE GLASS WOOL INSULATION TO ALL HOT WATER (EXPOSED) AND COLD WATER (AT ROOF) PIPE LINE INCLUDING PROTECTIVE COATINGS.
16. USE NEAREST FLOOR TRAP FOR THE AC DRAINAGE.
17. TEST ALL PIPING SYSTEMS IN WHICH ANY ALTERATIONS HAVE BEEN MADE FOR COMPLIANCE WITH THE LATEST EDITION OF GOVERNING BUILDING CODE. DOMESTIC HOT AND COLD WATER PIPING SHALL BE SUBJECT TO 100 PSIG FOR A MINIMUM 2 HOURS, DOMESTIC WASTE AND VENT PIPING SHALL BE TESTED AT 10' STATIC HEAD FOR A PERIOD GREATER THAN 15 MINUTES. IF REQUIRED PRESSURE DROPS BY MORE THAN 3% DURING ITS TEST DURATION, INVESTIGATE THE SOURCE OF LEAK, REPAIR THE LEAK, AND RETEST THE SYSTEM FOR THE REQUIRED TEST PERIOD. INSPECT ALL W & V JOINTS WHILE UNDER PRESSURE AND REPAIR ALL LEAKS.
18. INSTALL ALL PLUMBING EQUIPMENT IN COMPLETE COMPLIANCE WITH MANUFACTURER'S STANDARD INSTALLATION INSTRUCTIONS. ARRANGE ALL EQUIPMENT TO PERMIT EASY REMOVAL OF COILS, MOTORS, FILTERS AND ALL OTHER PARTS WHICH REQUIRE PERIODIC REPLACEMENT OR MAINTENANCE.
19. COORDINATE ALL ELECTRICAL VOLTAGE CHARACTERISTICS WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING PLUMBING EQUIPMENT.

LEGEND

SEWERAGE & DRAINAGE

SOIL PIPE (S.P)
WASTE PIPE (W.P)
VENT PIPE (V.P)
CLEANOUTS
FLOOR TRAP
GULLY TRAP
MANHOLE



1. ALL PIPE DIAMETERS ARE IN INCHES UNLESS OTHERWISE MENTIONED.
2. VENT PIPES SHALL BE EXTENDED UP TO ONE FT ABOVE FINISHED ROOF LEVEL.
3. SOIL, WASTE AND VENT PIPES UP TO 6" DIA. ARE uPVC (NON PRESSURIZE) TYPE-B CONFIRMING TO ISO 3633:2002 EXTERNAL SEWER PIPES SHALL BE OF FLOW LINE CONFIRMING TO EN 1401 UNLESS OTHERWISE NOTED
4. SLOPE OF ROOF VALLEY LINE SHOULD BE BETWEEN 0.01 TO 0.02
5. BOTTLE TRAP SHALL BE USED WITH ALL WASH BASIN.
6. R.C.C PIPES SHALL BE SHALIMAR OR EQUIVALENT MAKE.
7. MINIMUM SLOPE OF SOIL AND WASTE PIPES ARE AS UNDER.

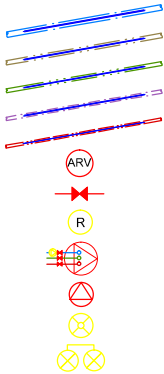
PIPE DIA.	SLOPE
3"	1:75
4"	1:100
6"	1:150
8"	1:175
9"	1:200

LEGEND

WATER SUPPLY

SCHEDULE OF PIPE DIA

COLD WATER PIPE (C.W)
NORMAL PRESSURE COLD WATER
HOT WATER PIPE (H.W)
RE-CIRCULATION HOT WATER (R.H.W)
GAS PIPE
AIR RELIEF VALVE
GATE VALVE/BALL VALVE
RE-CIRCULATION PUMP
GEYSER
CHECK VALVE
BOOSTER PUMP
SUBMERSIBLE PUMP



OUTER DIA (mm)	INTERNAL DIA	
	(mm)	INCH
20	13.2	0.52
25	16.4	0.65
32	21.2	0.83
40	26.6	1.05
50	33.2	1.31
63	42	1.65
75	50	1.97
90	60	2.36
110	73.2	2.88

1. ALL WATER SUPPLY PIPE DIAMETERS ARE IN MILLIMETERS AND MENTIONED ARE EXTERNAL DIAMETERS. ALL WATER SUPPLY PIPES ARE OF PPRC UNLESS NOTED OTHERWISE.
2. ALL GAS PIPE DIAMETERS ARE IN INCHES AND MENTIONED ARE INTERNAL DIAMETERS.
3. ALL WATER SUPPLY PIPES ENTERING THE WALLS SHALL BE PROVIDED WITH ISOLATION VALVES.
4. ALL WATER SUPPLY PIPES ARE PPR (PN 20) UNLESS OTHERWISE MENTIONED.
5. ALL WATER SUPPLY PIPES FITTINGS SUCH AS BENDS, TEES, SOCKETS, ARE PPR (PN 25) UNLESS OTHERWISE MENTIONED.
6. ALL GAS PIPES ARE G.I. UNLESS OTHERWISE MENTIONED.
7. ALL WATER SUPPLY AND GAS PIPES ARE IN DUCTS, OR CONCEALED IN WALL OR BURIED IN FLOORS.
8. ALL PIPING SHALL BE TESTED FOR LEAKAGE BEFORE THE JOINTS ARE COVERED.

Project :

Miss. Poonam & Beenish Pervaiz House,DHA Lahore

Dwg.

LEGEND

Project by : Shahid Associates

Checked By: Muneed Haider

Drawn By : Diishaad Malik

Dwg. No: P.H-100

Scale.

REV. NO : 0

Date :

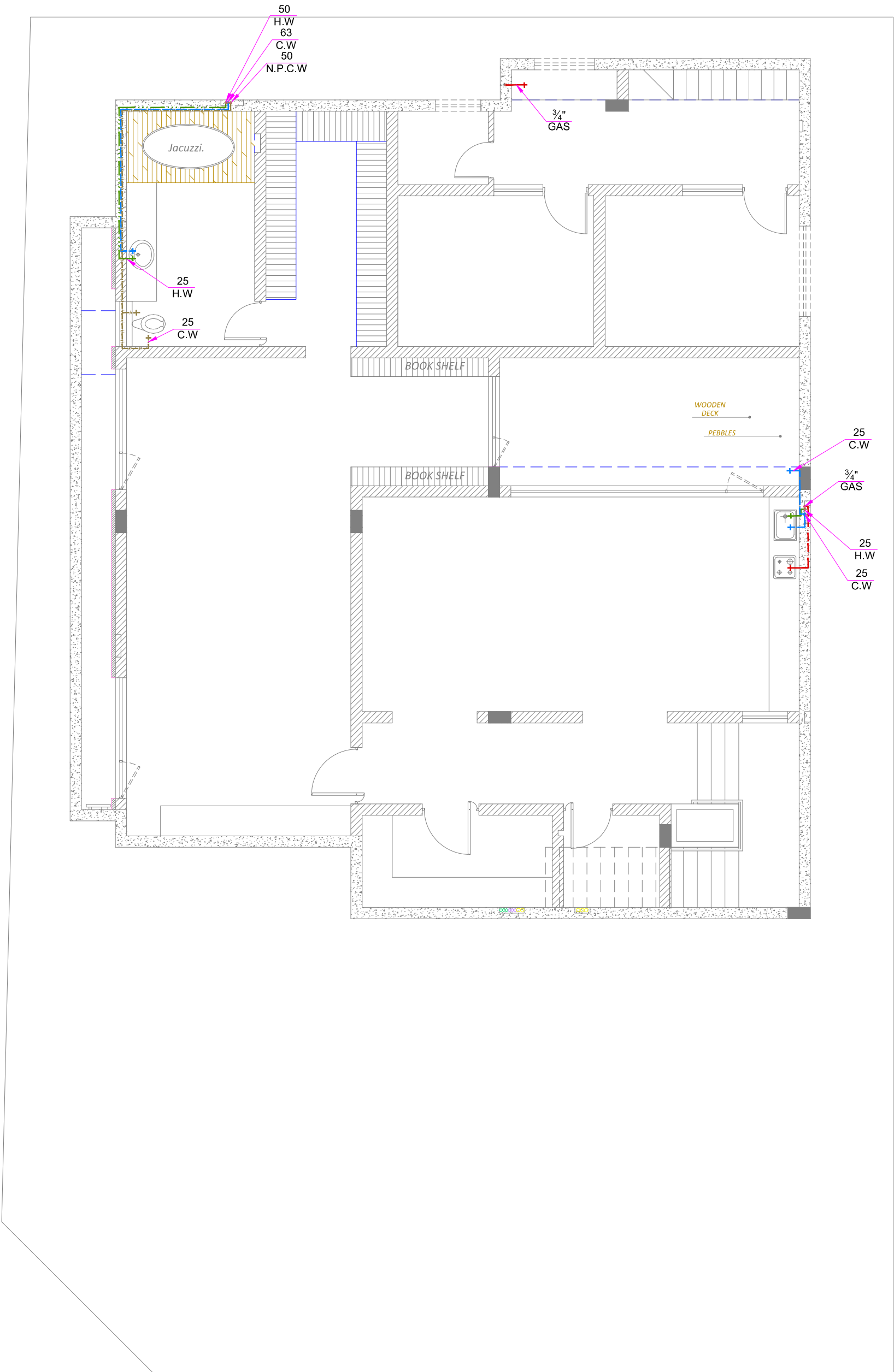
10 MAY. 2017

NORTH



7th Sky
Consultants

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Project : Miss. Poonam & Beenish Pervaiz House,DHA Lahore

Dwg. BASEMENT FLOOR
WATER SUPPLY SYSTEM

Project by : Shahid Associates

Dwg. No: P.H-101

Checked By: Muneed Haider

Scale. REV. NO : 0

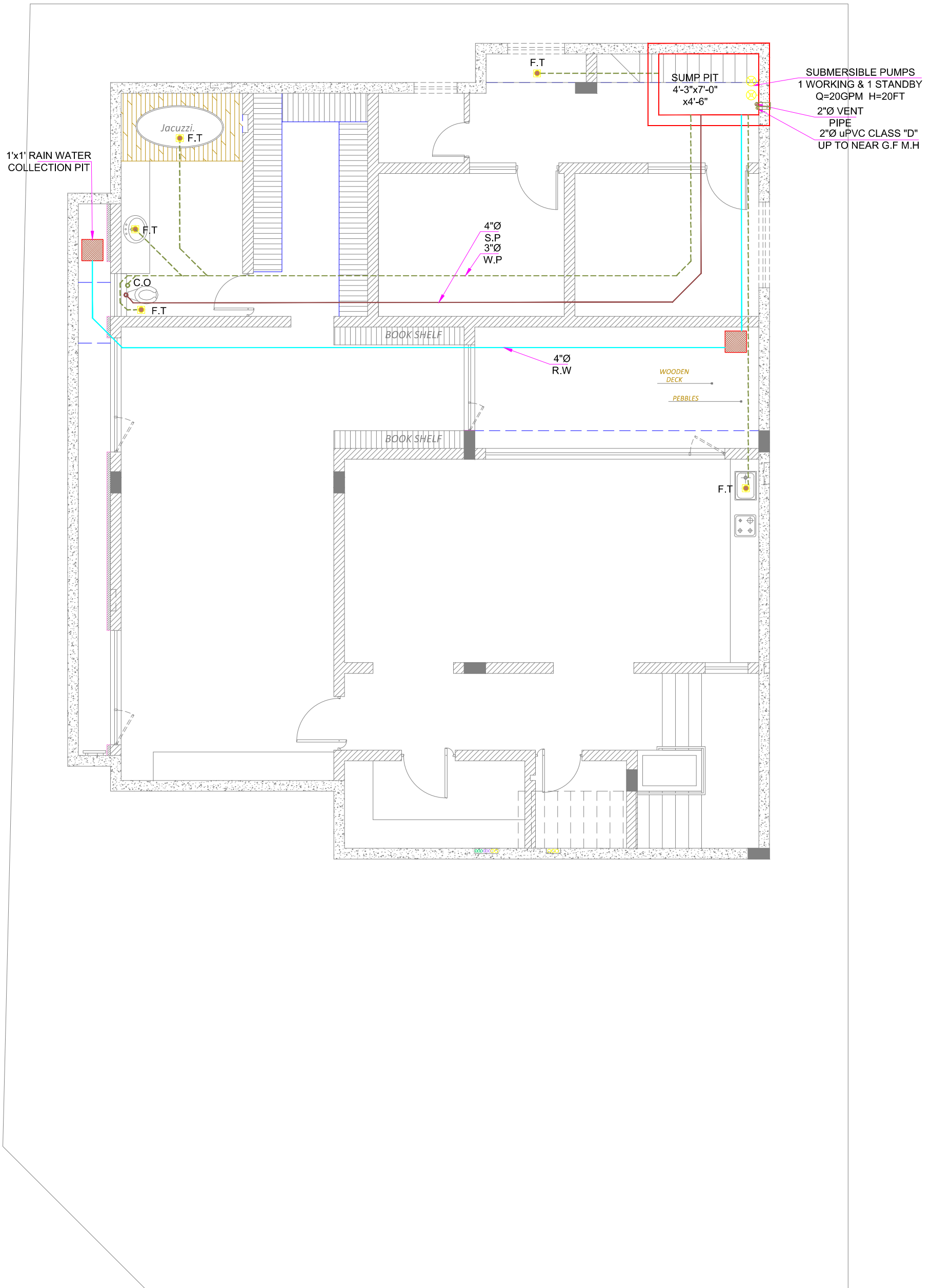
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Date : 10 MAY. 2017



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Project : Miss. Poonam & Beenish Pervaiz House,DHA Lahore			Dwg. BASEMENT FLOOR SEWERAGE SYSTEM		
Project by : Shahid Associates	Dwg. No: P.H-102		<div> <div></div> <div>NORTH</div> </div> <div> <div>7th Sky</div> <div>Consultants</div> </div> <div> <div>H# E-57/5, STREET # 1,</div> <div>QADRI COLONY,</div> <div>WALTON ROAD,</div> <div>LAHORE.</div> <div>Contact no : 0324-4991042</div> <div>E-mail: qasim.ehsan772@gmail.com</div> </div>		
Checked By: Muneed Haider	Scale.	REV. NO : 0			
Drawn By : Dilshaad Malik	Date : 10 MAY. 2017				

