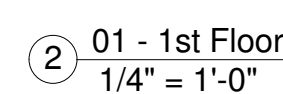
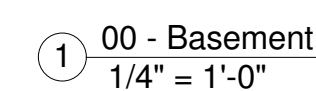


P1.01



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FYF LLC.

Owner: FYF LLC.
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WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278

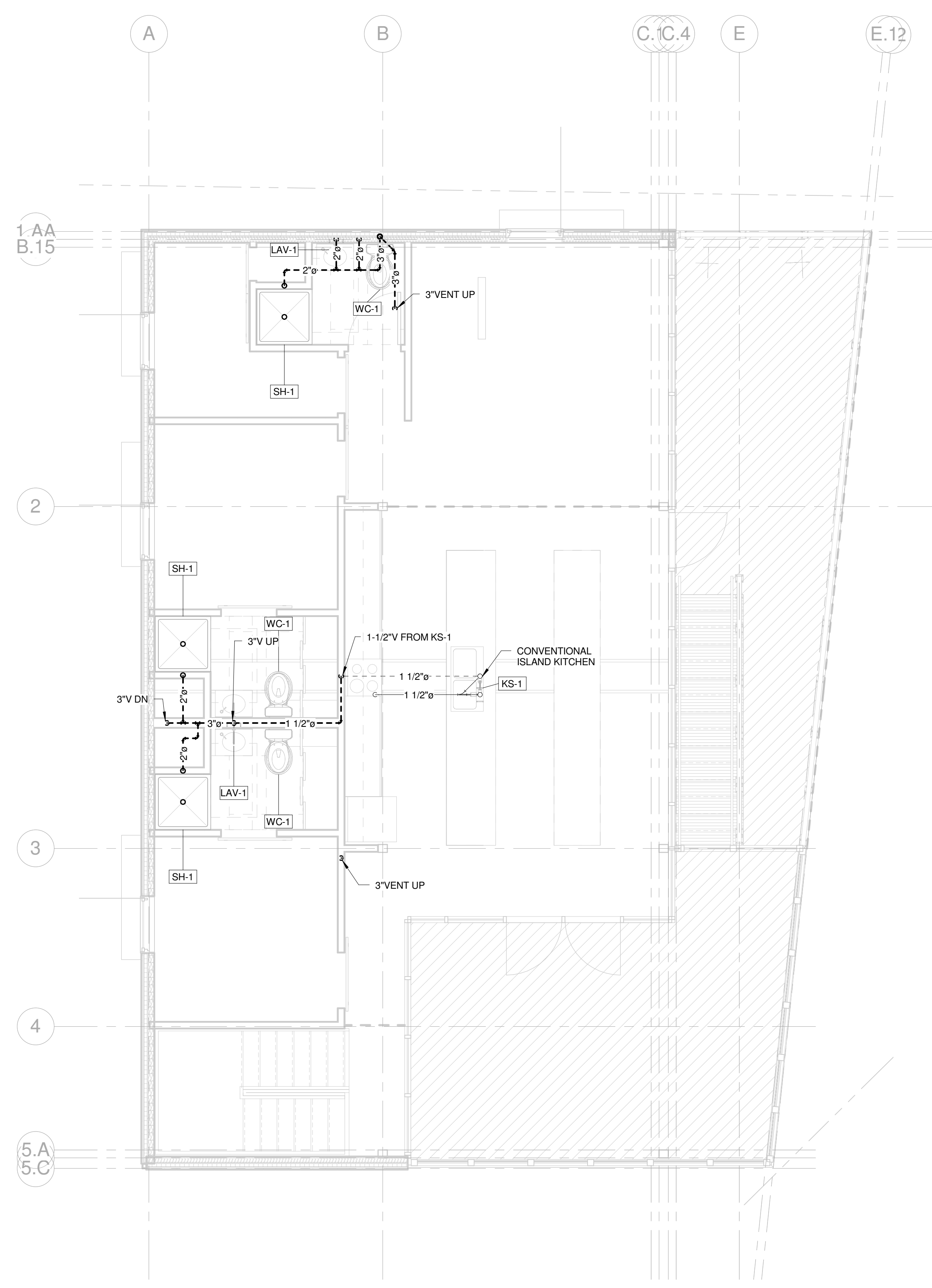


HVAC Designer: Desapex
shreenidhi@desapex.com

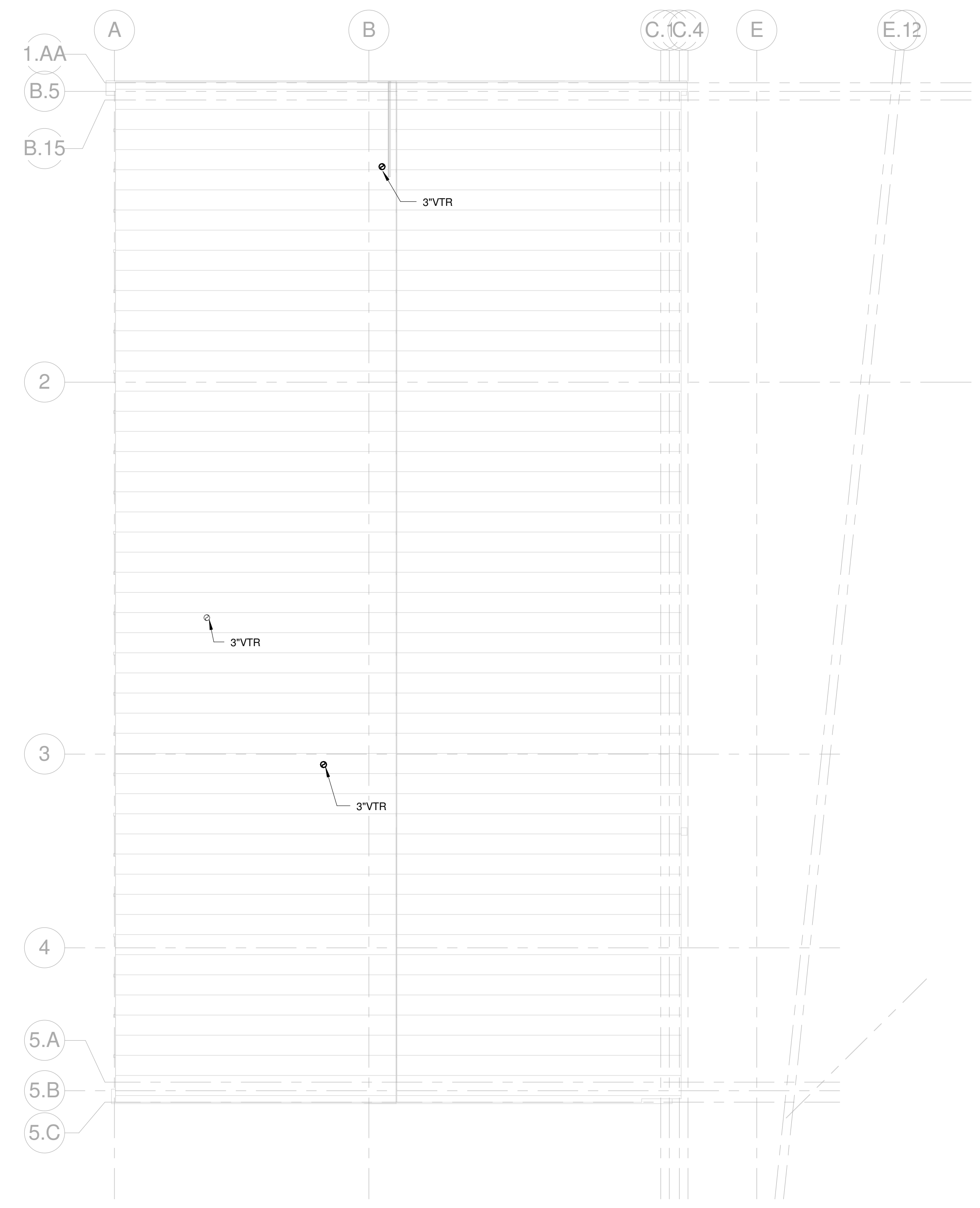


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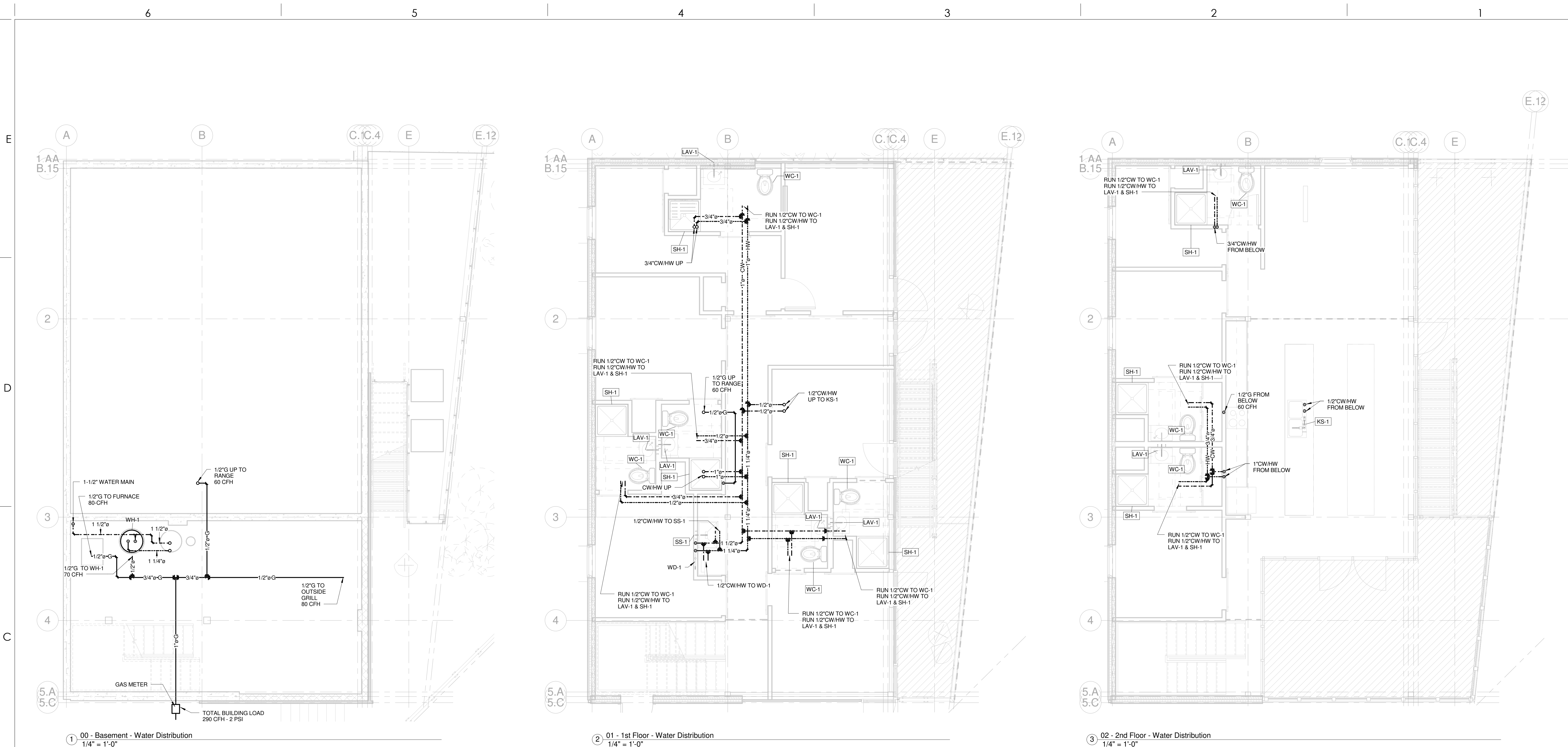
Date	Description
05.03.2017	Issue for Permit



① 02 - 2nd Floor
1/4" = 1'-0"



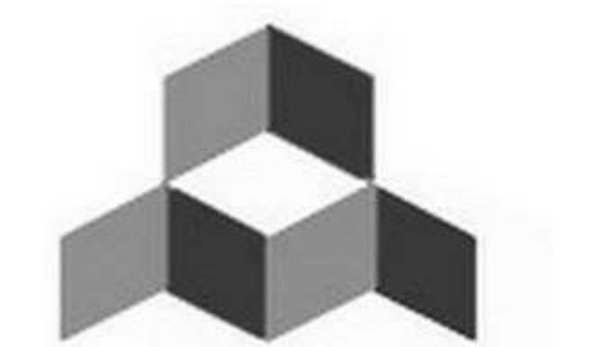
② 03 - Existing Roof Joist Bearing
1/4" = 1'-0"



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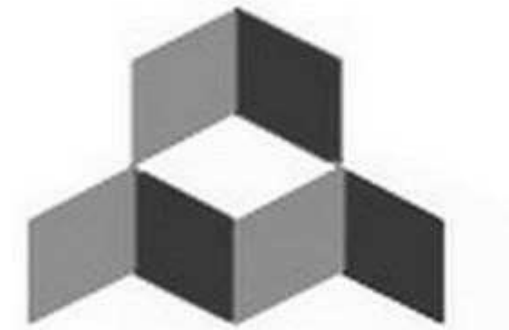
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FYF LLC.

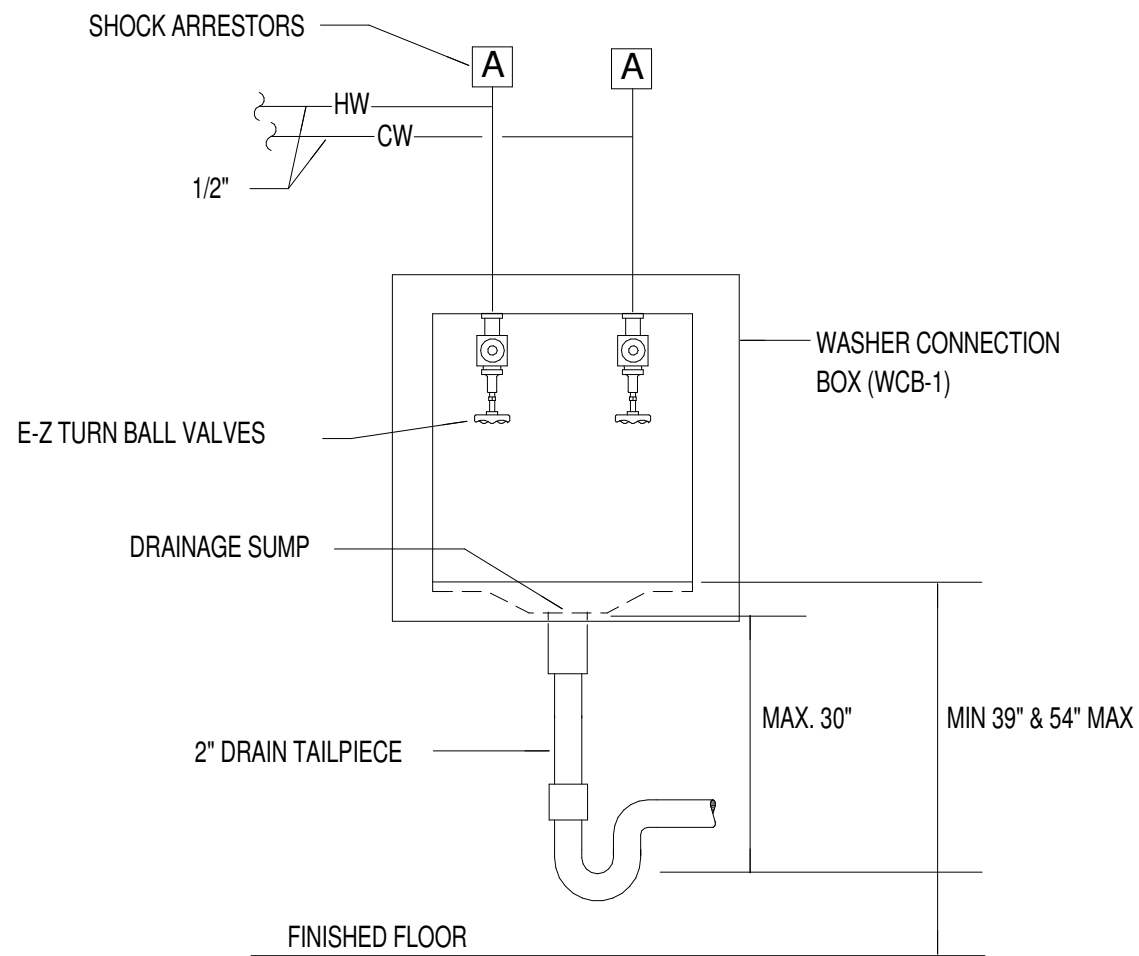
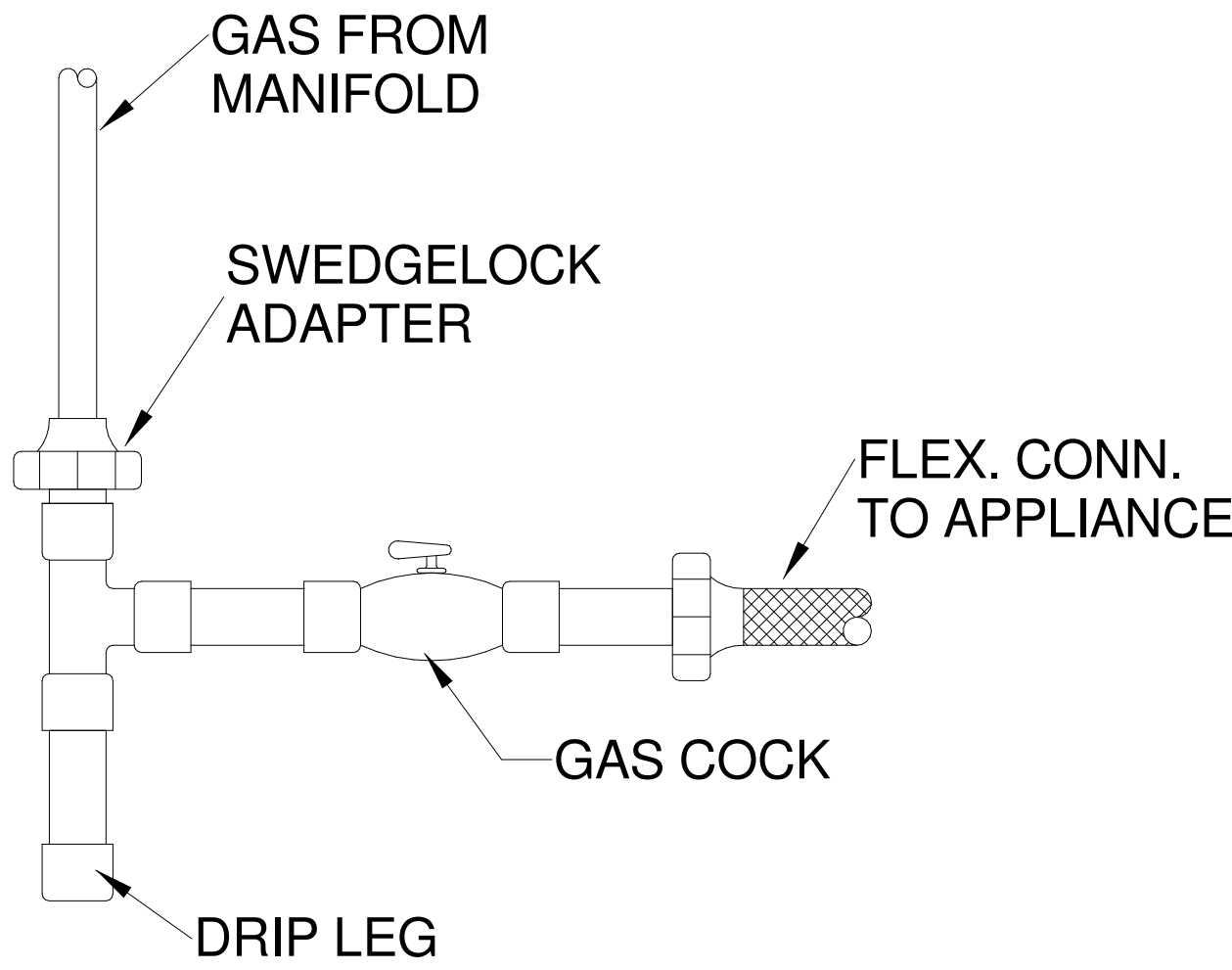
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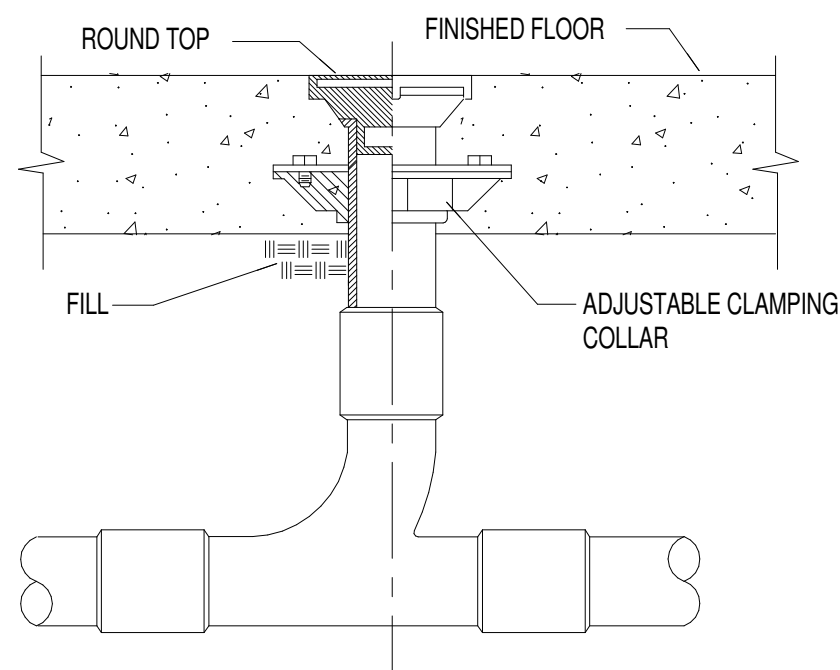
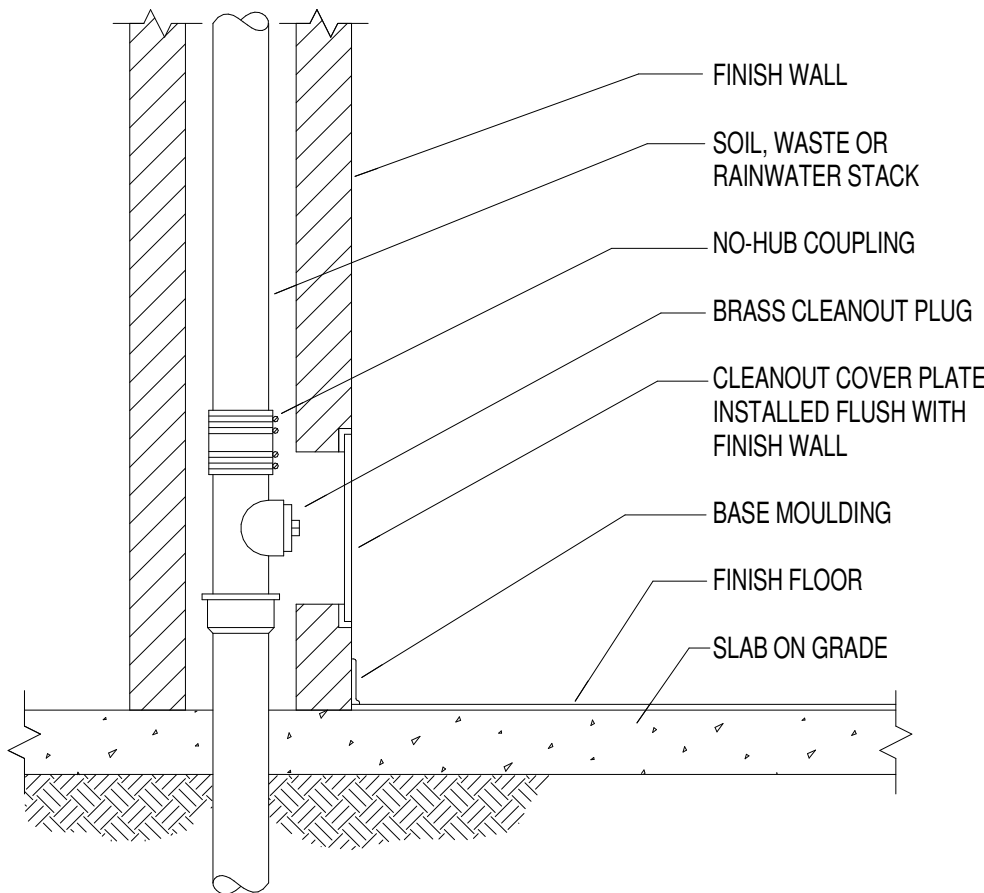
HVAC Designer: Desapex
shreenidhi@desapex.com



9
NOT TO SCALE

6
APPLIANCE GAS CONNECTION
NOT TO SCALE

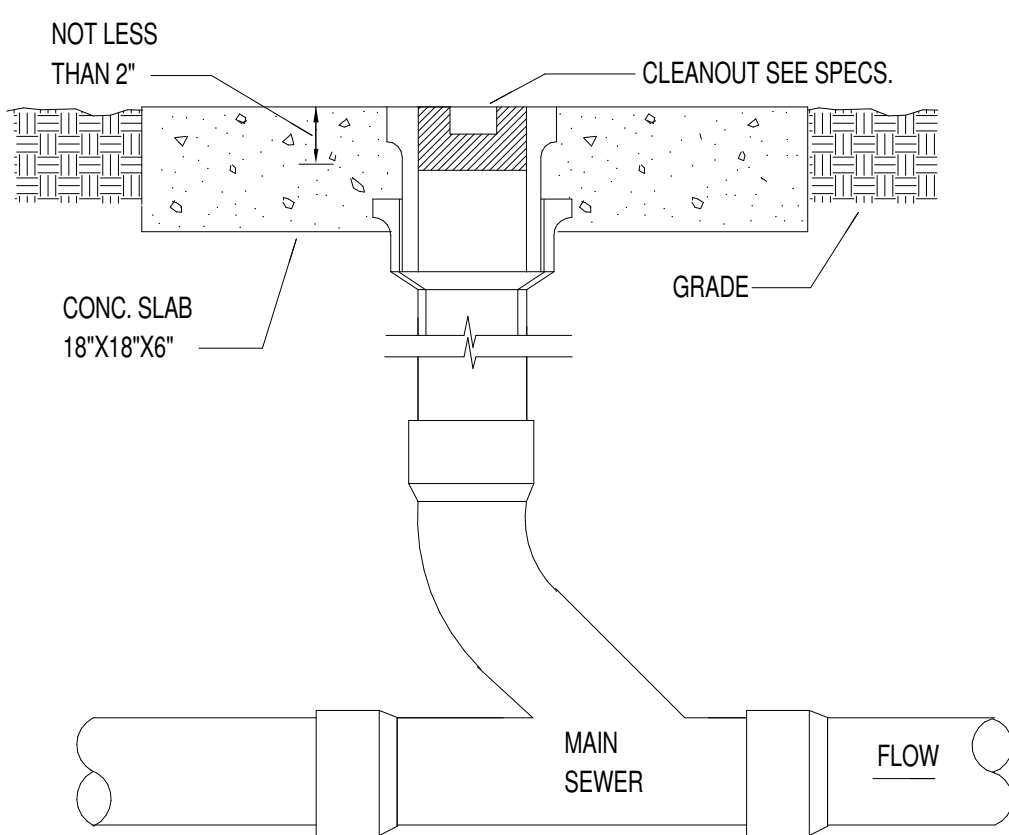
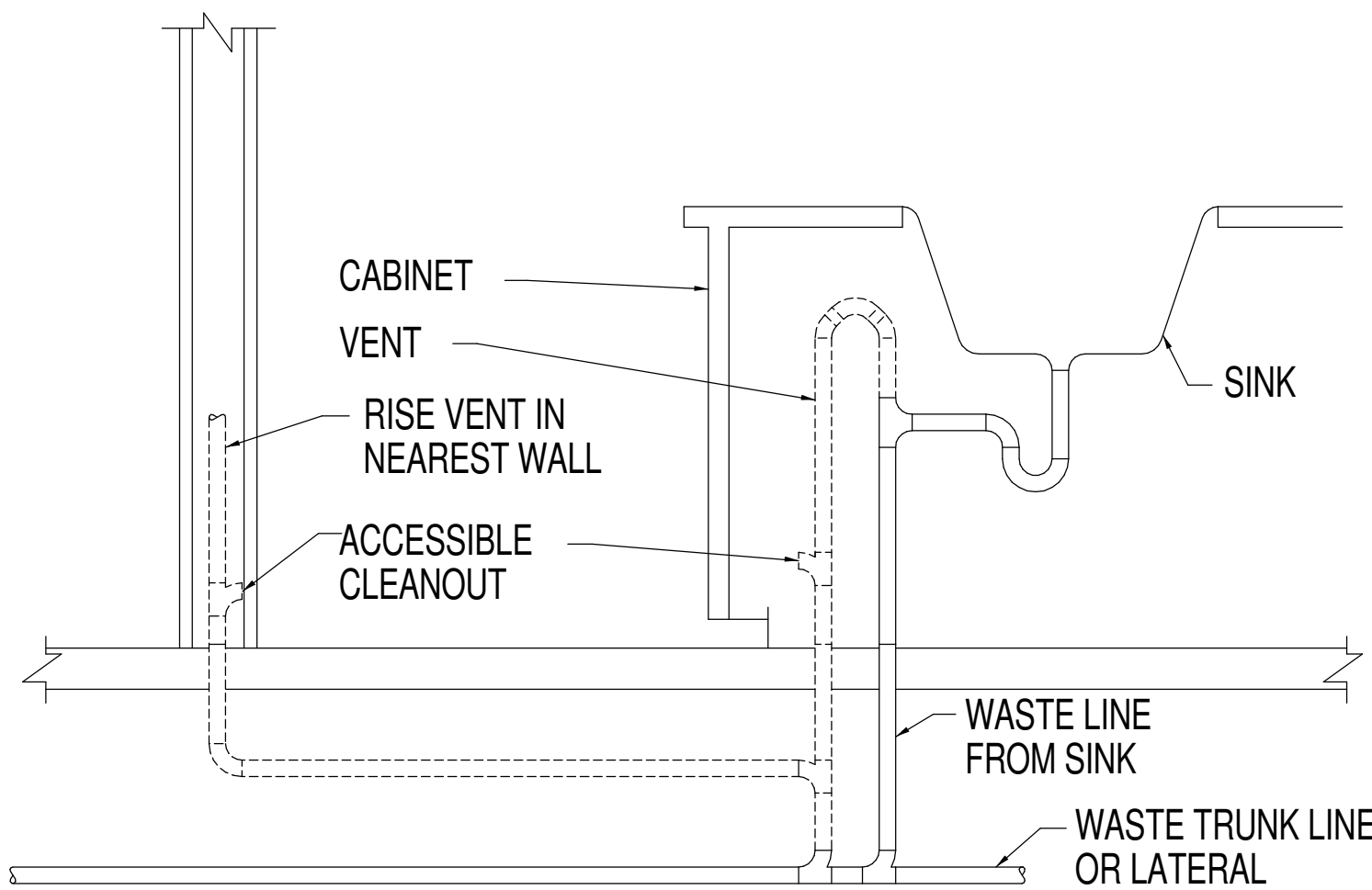
3
WASHING MACHINE CONNECTION BOX DETAIL
NOT TO SCALE



8
NOT TO SCALE

5
WALL CLEANOUT DETAIL
NOT TO SCALE

2
FLOOR CLEANOUT DETAIL
NOT TO SCALE



7
NOT TO SCALE

4
KITCHEN ISLAND PIPING CONFIGURATION
NOT TO SCALE

1
EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



openingdesign

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WATER CALCULATION WORKSHEET FOR: The Downtowner, Lake Geneva, WI, 53147

Date Designer

BUILDING INFORMATION

- | | | | |
|----|--|------|--------|
| 1. | Demand of building in gallons per minute (65 SFU). | 33 | gpm |
| 2. | Size of the water meter. (Proposed size for hydraulic calcs, subject to Water Utility review.) | 1.50 | inches |
| 3. | Low pressure at building entrance. | 35.0 | psi |

CALCULATE PRESSURE AVAILABLE AFTER BUILDING CONTROL VALVE

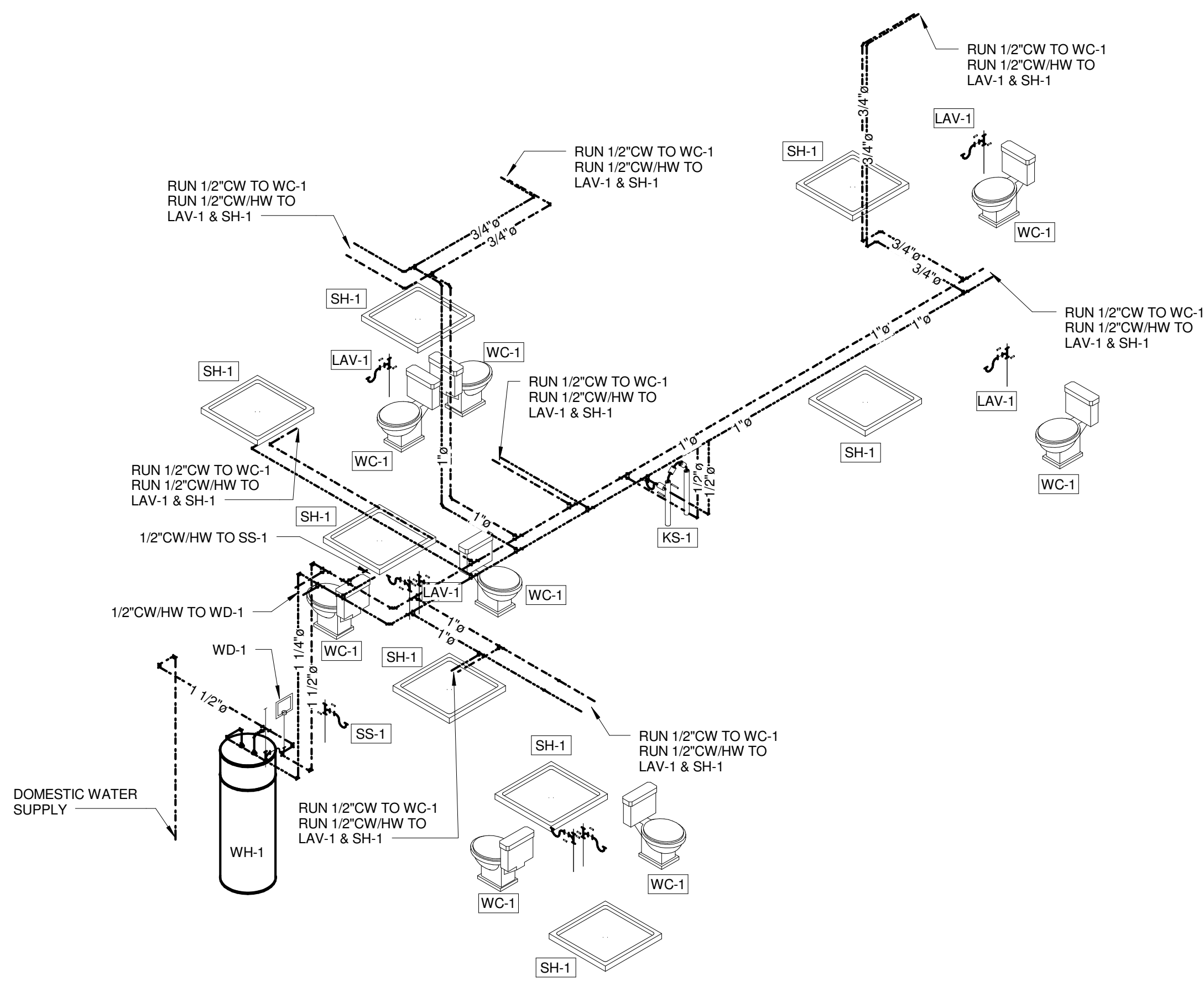
- | | | | |
|----|--|-----------------------------|-----|
| 4. | Low pressure at building entrance. | 40.0 | psi |
| 5. | Pressure loss due to water meter. | 2.0 | psi |
| 6. | Available pressure after building water meter. | (Line 6 - 7a - 7b - 8) 38.0 | psi |

CALCULATE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "A")

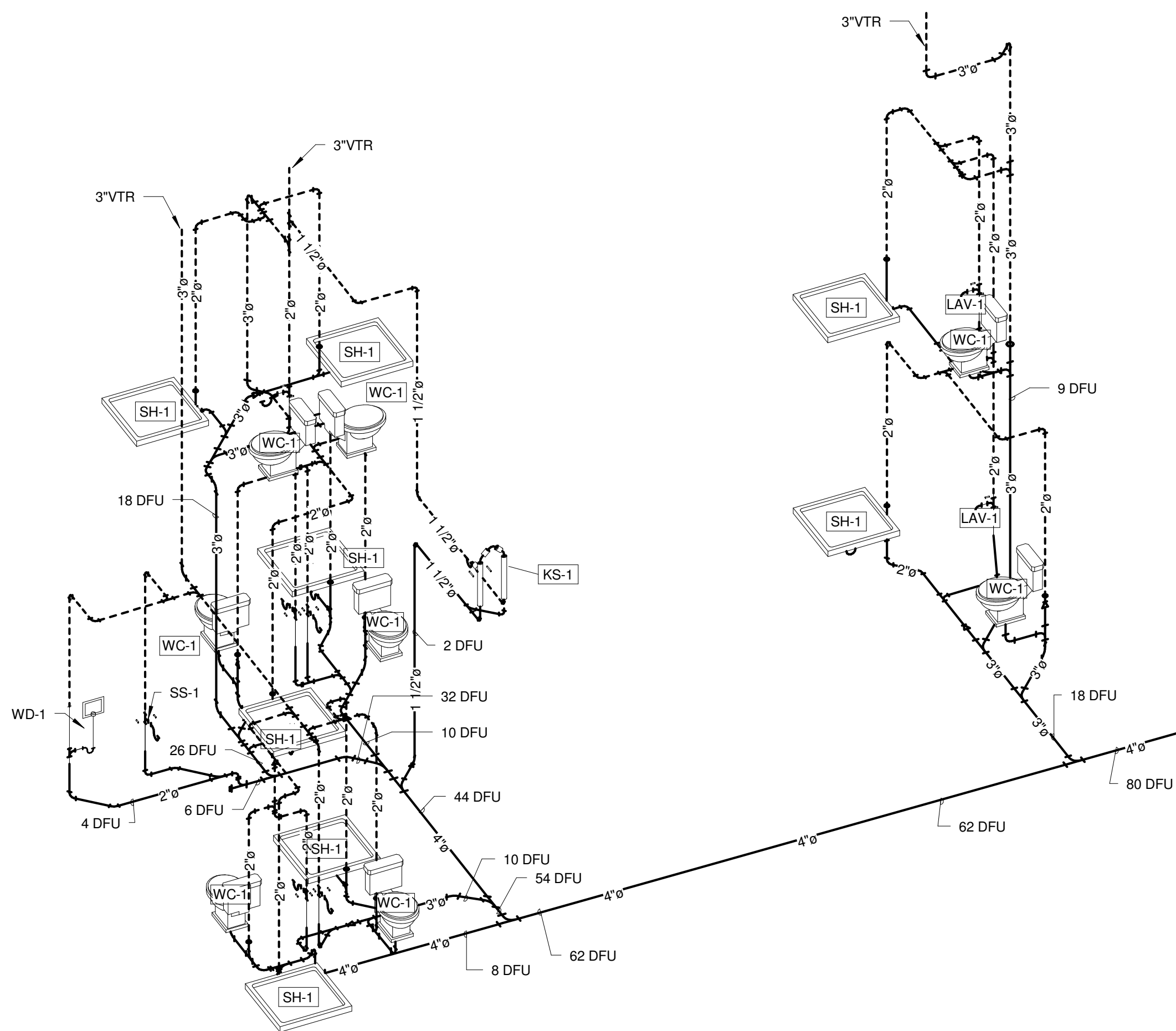
- | | | | | |
|----|--|--------------------------|-------|------------|
| B. | Available distribution pressure. | (Line 9 + B1 - B2) | 38.0 | psi |
| D. | Pressure required at controlling fixture. (Shower in second floor bathroom.) | | 20.0 | psi |
| | | Subtotal | 18.0 | psi |
| E. | Head loss from the building control valve to the controlling fixture.
(Elevation change, multiply by 0.434 psi/ft.) | Elevation change ft | 25 | 10.9 psi |
| | | Subtotal | 7.2 | psi |
| F. | Pressure loss due to water treatment devices, instantaneous water heaters,
backflow preventers, and other accessories which serve the controlling fixture.
N/A | | 0.0 | psi |
| | | Total Available Pressure | 7.2 | psi |
| G. | Actual pipe length from building control valve to controlling fixture ft | | 80 | |
| | Developed length. (Actual length, multiply by fitting/loss factor.) | fitting/loss factor | 1.5 | 120.0 feet |
| | Pressure available for uniform loss. (Total Available Pressure / Developed Length.) | | 0.060 | psi/ft |
| | Pressure available for uniform loss per 100 ft. (Multiply by 100 / 100.) | | 6.0 | psi/100 ft |
| A. | Pressure available for uniform loss per 100 ft. (Value rounded up to next integer.) | "A" = | 6.0 | psi/100 ft |

Building Information: Vacation Rental			
Drain fixture Unit Calculations			
FIXTURE	DFU/Unit	# of Units	Total DFU
Shower	2	8	16
Lavatory	1	8	8
Water Closet	6	8	48
Washing Machine	4	1	4
Service Sink	2	1	2
Kitchen sink	2	1	2
Total DFU's			80

ITEM	FIXTURE	DRAINAGE		WATER	
		WASTE	VENT	HOT	COLD
KS-1	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"
LAV-1	LAVATORY	2"	2"	1/2"	1/2"
SH-1	SHOWER	2"	2"	1/2"	1/2"
SS-1	SERVICE SINK	2"	2"	1/2"	1/2"
WC-1	WATER CLOSET	3"	2"	-	1/2"
WD-1	WASHER BOX	2"	2"	1/2"	1/2"



2 WATER RISER DIAGRAM



1 SANITARY RISER DIAGRAM



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