

6 5 4 3 2 1

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FYF LLC.

Owner: FYF LLC.
43 S Water St E | Fort Atkinson, WI
ilovefunkys@hotmail.com



Plumbing Designer: Zenteno Solutions
1530 P B Lane # Z4646
WICHITA FALLS, TX, 76302
roberto@zenteno.net | 832.449.9278



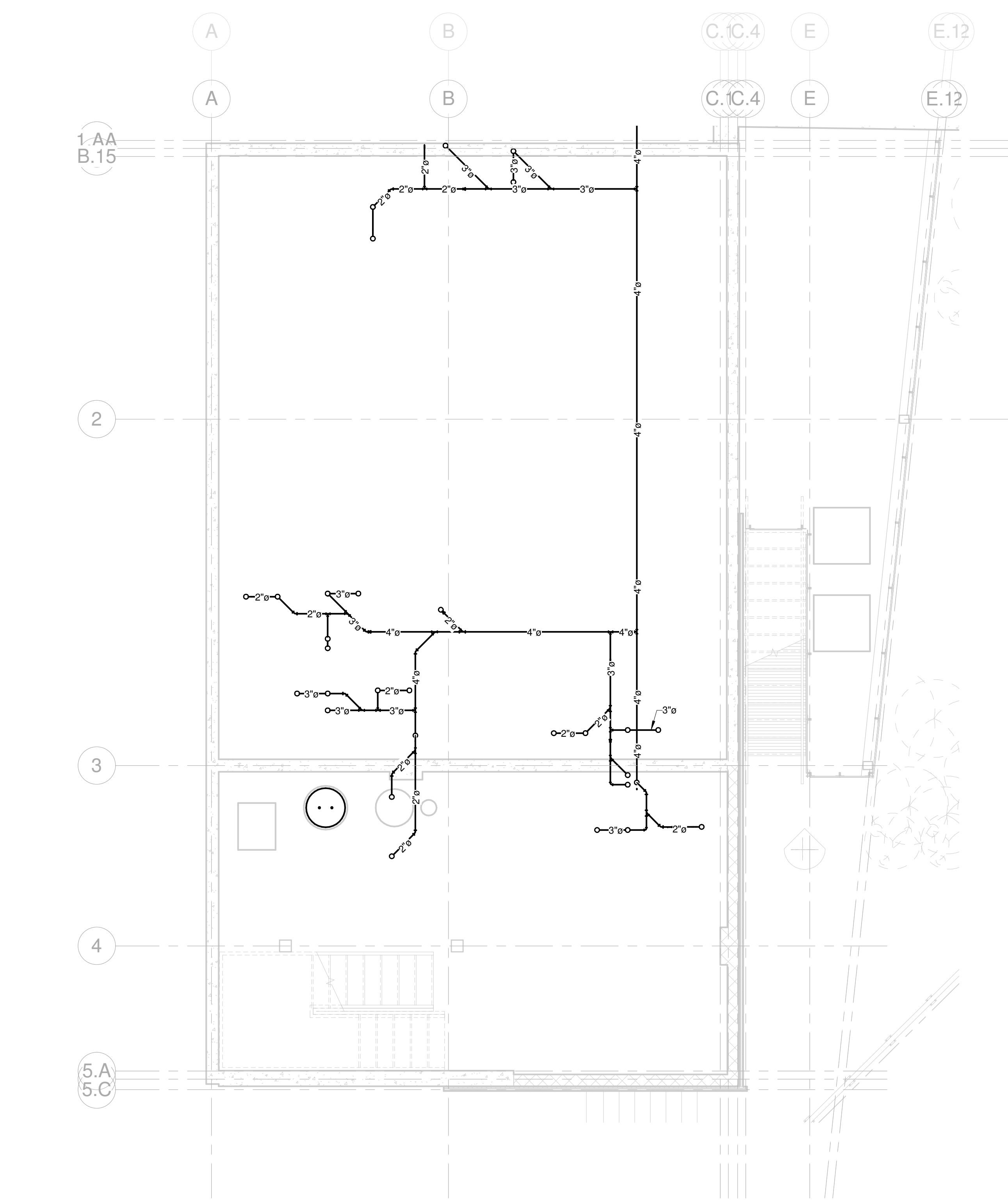
HVAC Designer: Desapex
shreenidhi@desapex.com



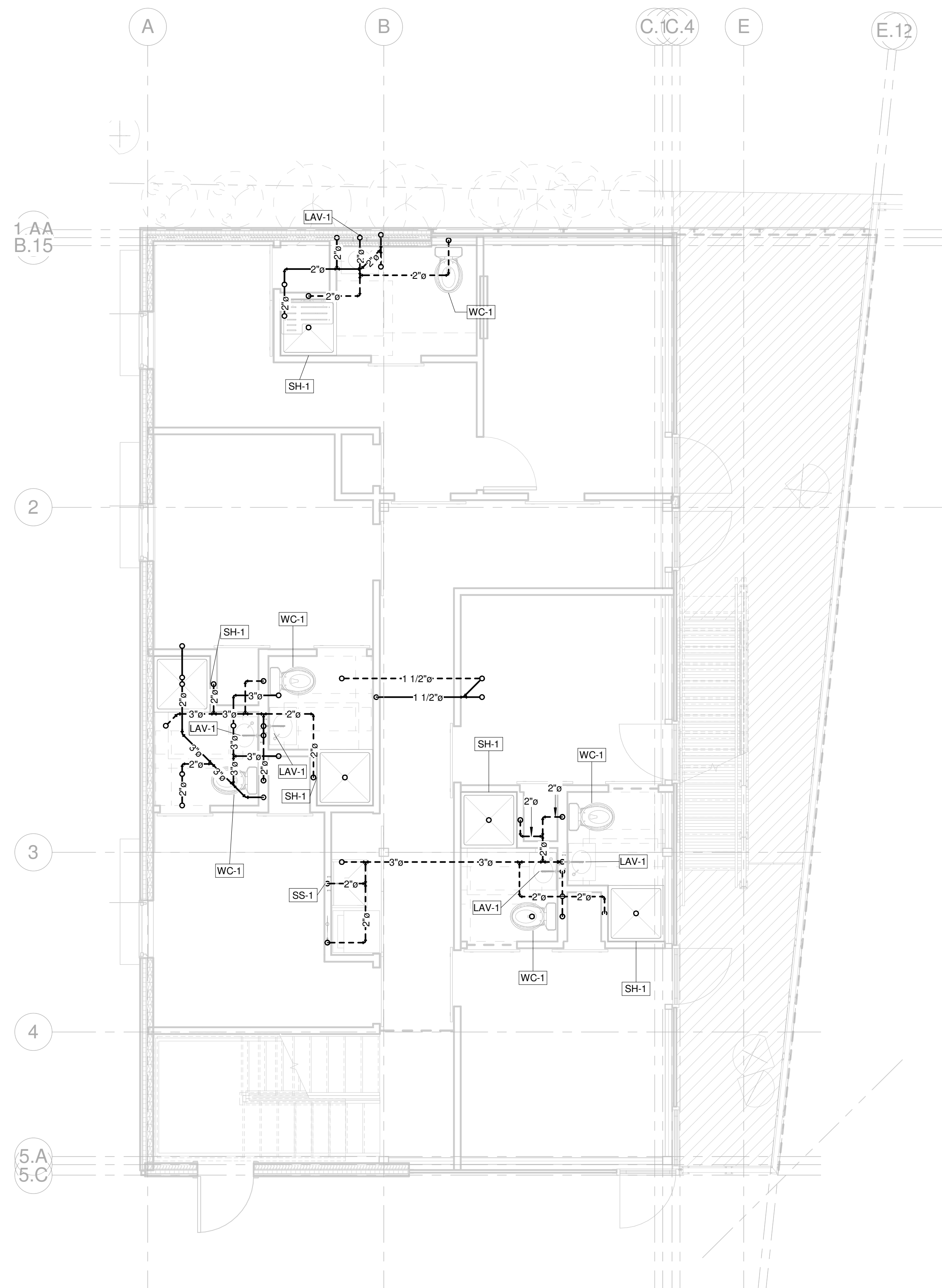
openingdesign

Architect: OpeningDesign
312 W. Lakeside St. | Madison, WI 53715
hello@openingdesign.com | 773-425-6456

Date	Description
05.03.2017	Issue for Permit



① 00 - Basement
1/4" = 1'-0"



② 01 - 1st Floor
1/4" = 1'-0"

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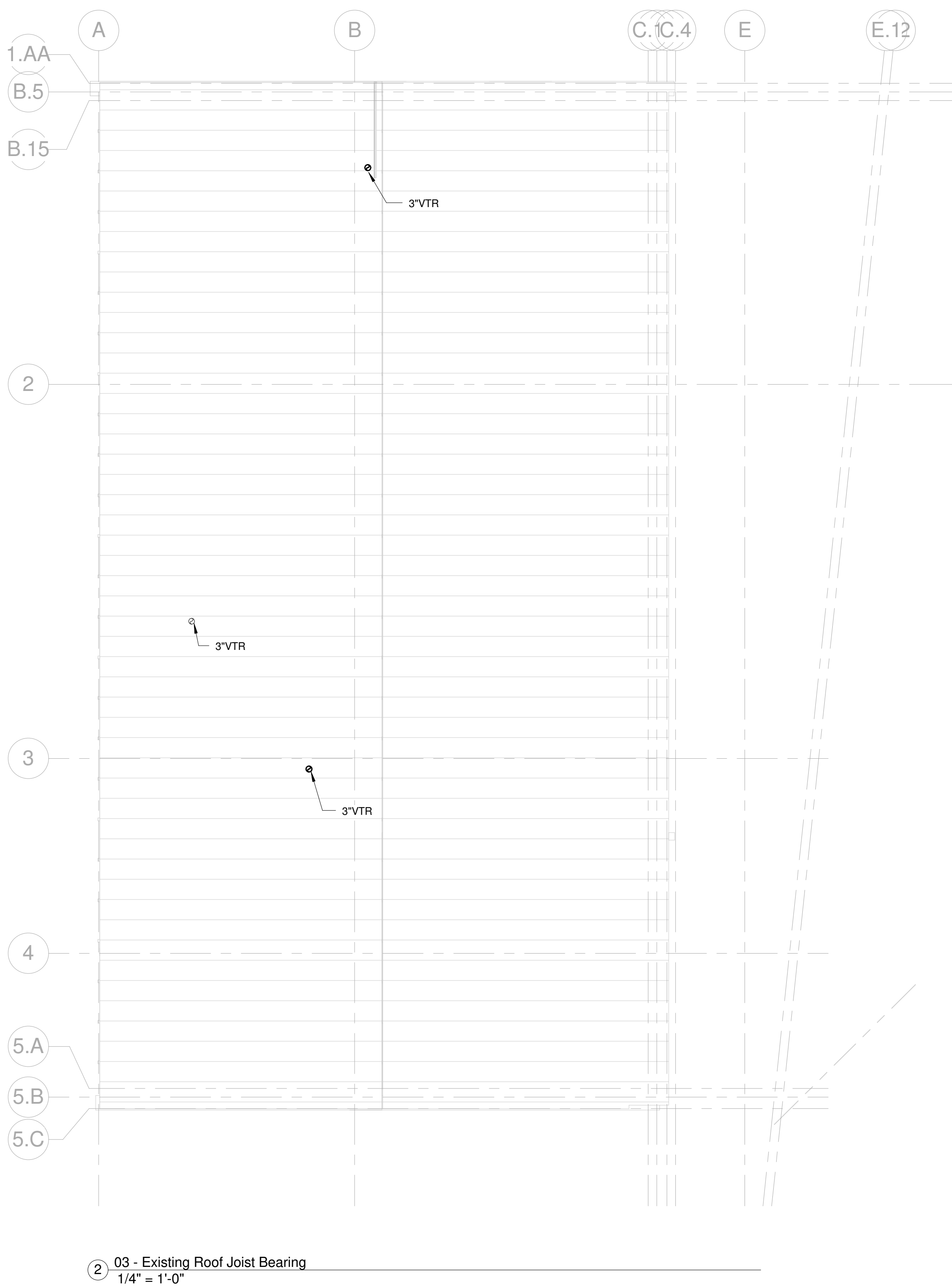
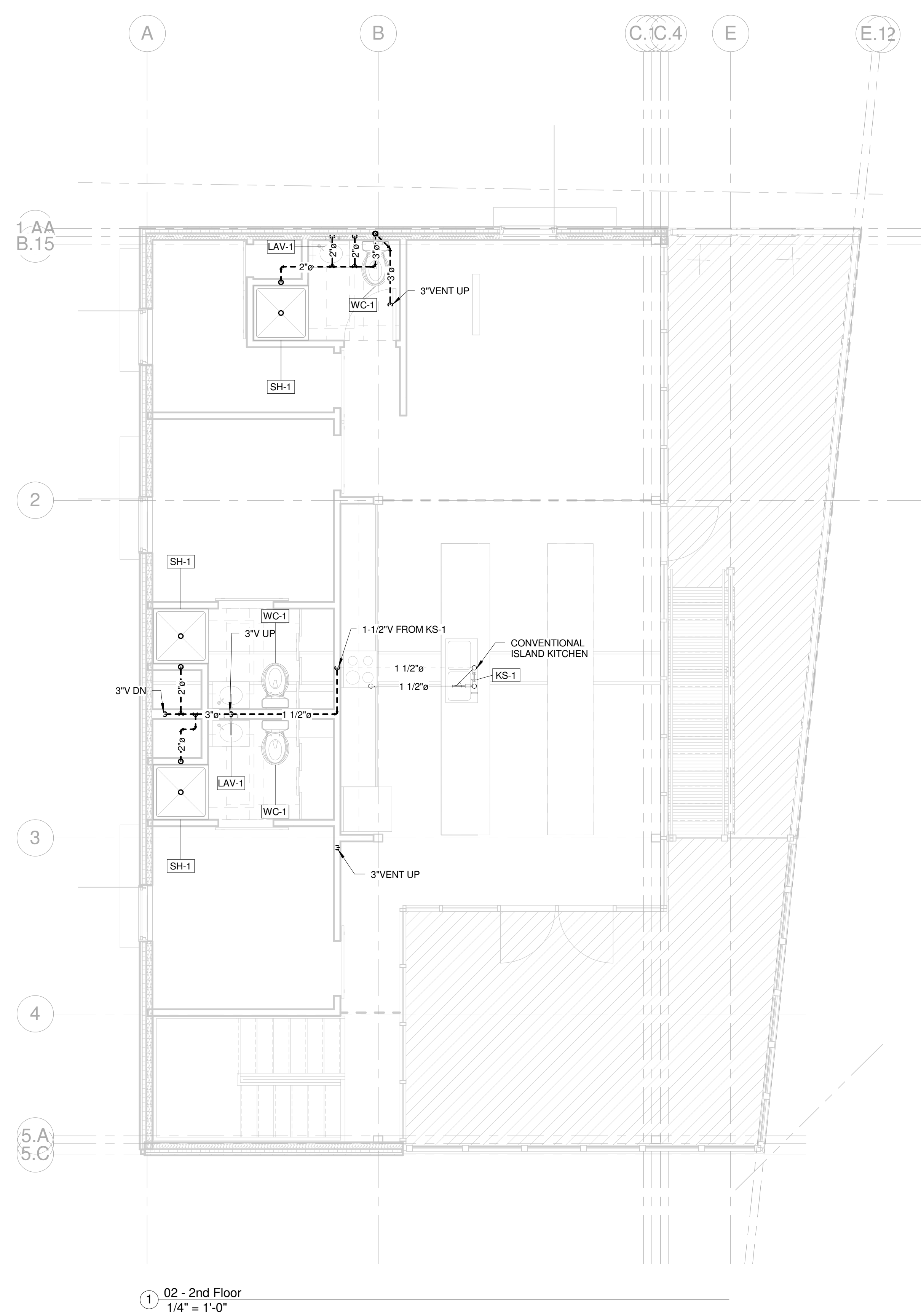
Zenteno
Solutions

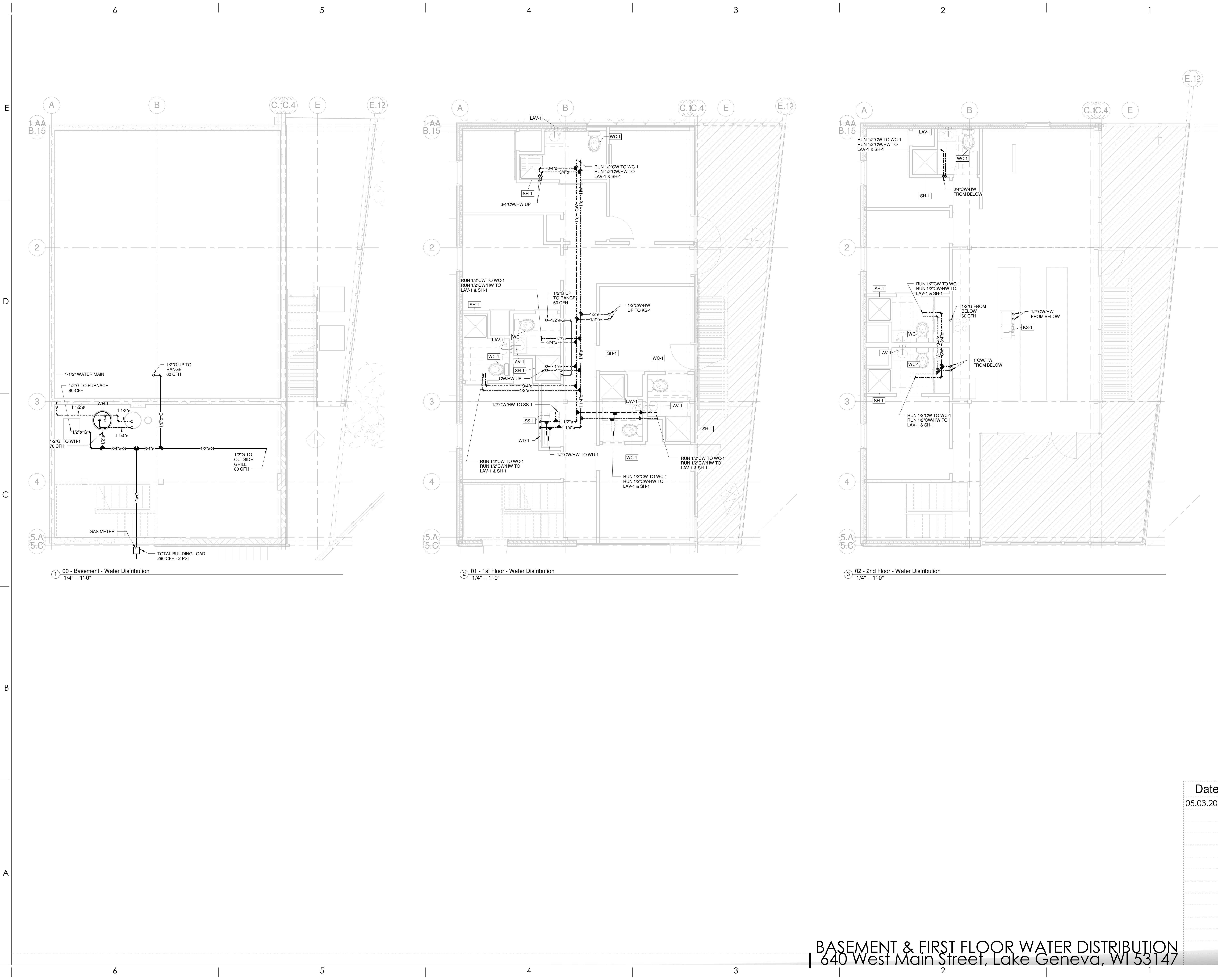
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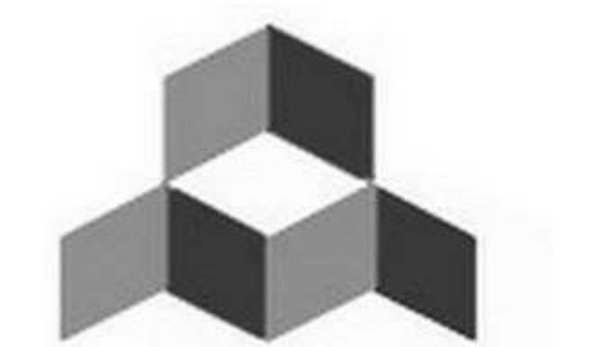




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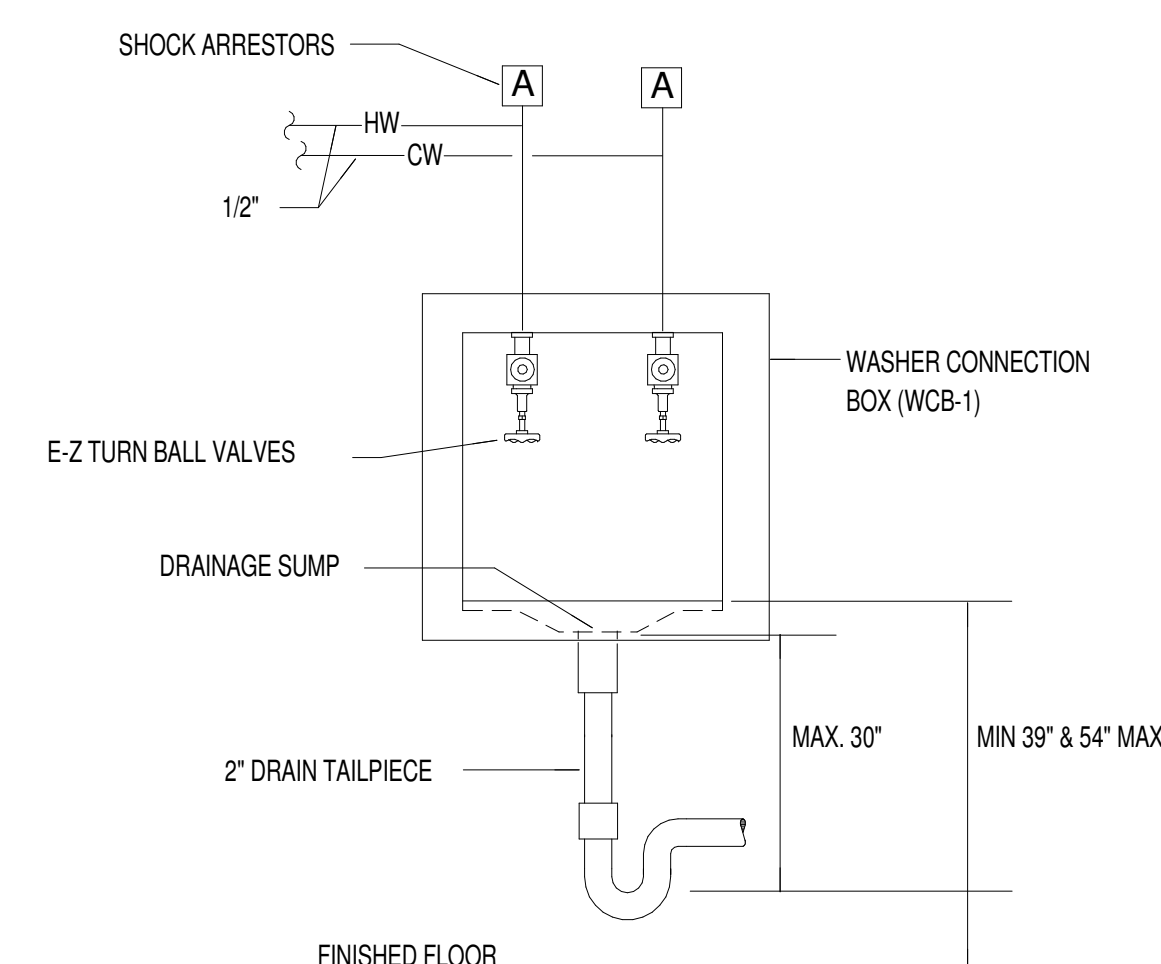


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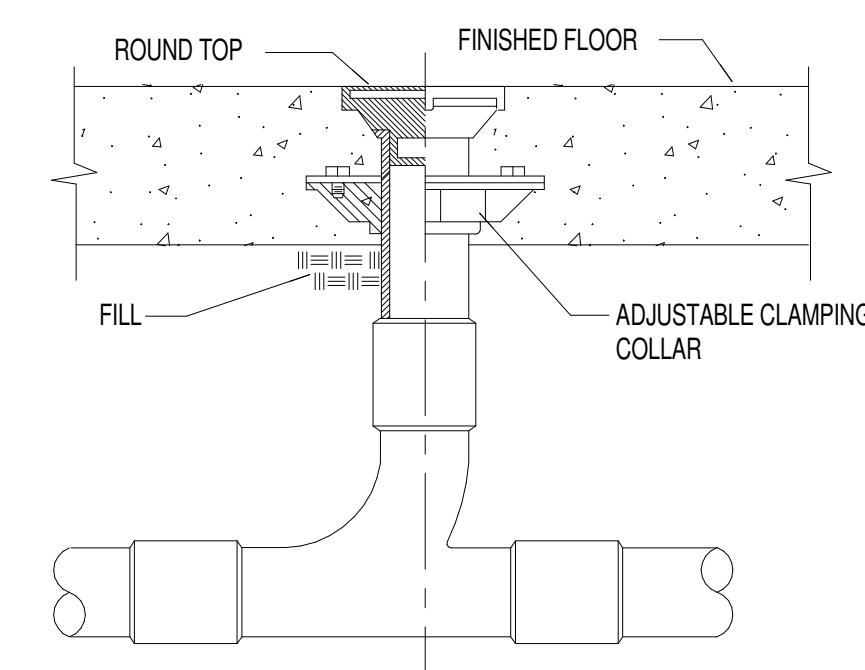


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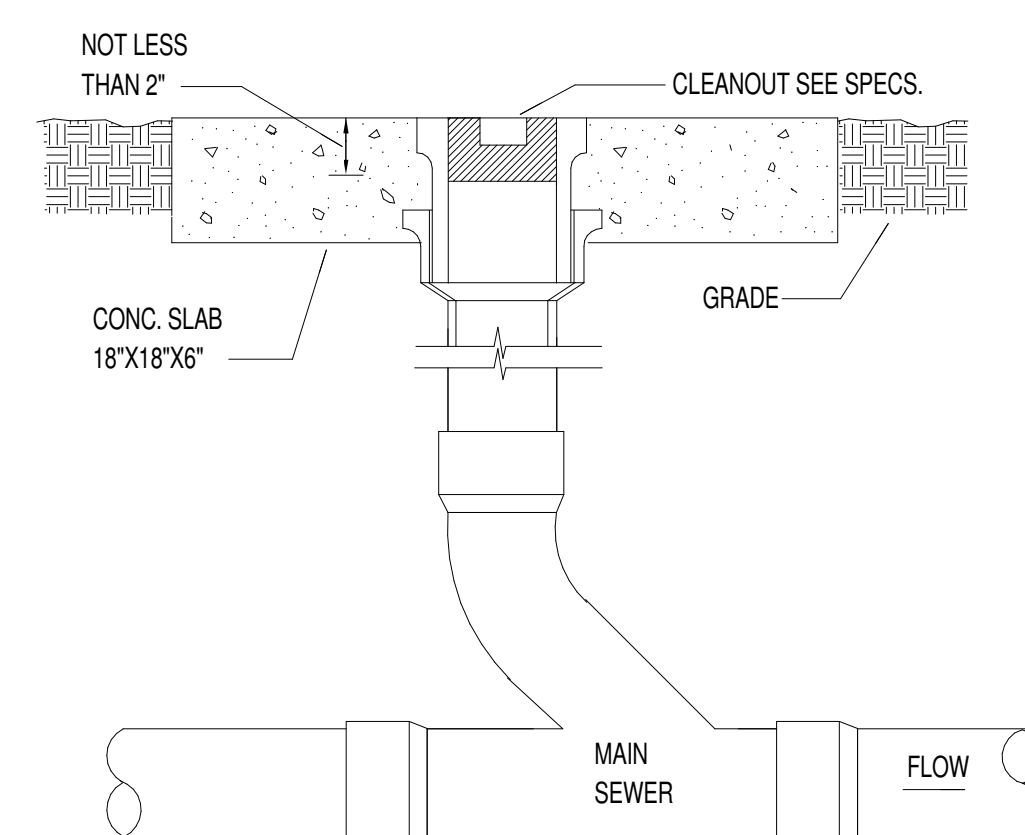
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3	WASHING MACHINE CONNECTION BOX DETAIL
	NOT TO SCALE



2	FLOOR CLEANOUT DETAIL
	NOT TO SCALE



1	EXTERIOR CLEANOUT DETAIL
	NOT TO SCALE

WATER CALCULATION WORKSHEET FOR: Project Name, Job Number, City, State

Date Designer

BUILDING INFORMATION

- | | | | |
|----|--|----------------------|------|
| 1. | Demand of building in gallons per minute. (xxx SFU/xx gpm current, xxx SFU/xxx gpm future.) | <input type="text"/> | gpm |
| 2. | Rise in elevation from hydrant to building control valve. (Negative value indicates elevation drop.) | <input type="text"/> | feet |
| 3. | Size of the water meter. (Proposed size for hydraulic calcs, subject to Water Utility review.) | <input type="text"/> | inch |
| 4. | Length of service from main to building control valve. | <input type="text"/> | feet |
| 5. | Low pressure at hydrant elevation. (Hydrant flow test dated xx/xxx/2011.) | <input type="text"/> | psi |

CALCULATE PRESSURE AVAILABLE AFTER BUILDING CONTROL VALVE

- | | | | |
|-----|--|----------------------|-----|
| 6. | Low pressure at hydrant elevation. (Value from 5. above.) | 0.0 | psi |
| 7a. | Water service loss. (Pipe diameter is xx inch, material is K-copper/PVC/ductile iron, multiply pressure loss by value from 4. above, divide by 100.) | | |
| | Pressure loss psi/100ft <input type="text"/> | 0.0 | psi |
| 7b. | Pressure loss due to exterior water meter (x.x psi) and exterior RPZ (xx.x psi - 8 to 12 psi). | <input type="text"/> | psi |
| 8. | Determine pressure loss (gain) due to rise (drop) in elevation. (Value from 2. above, multiply by 0.434 psi/ft.) | 0.0 | psi |
| 9. | Available pressure after building control valve. (Line 6 - 7a - 7b - 8) | 0.0 | psi |

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

- | | | | |
|-----|--|--------------------------|--------------------|
| B1. | Booster pump pressure increase. (Enter zero if not applicable.) | | psi |
| B2. | Water pressure reducing valve pressure decrease. (Enter zero if not applicable.) | | psi |
| B. | Available distribution pressure. | (Line 9 + B1 - B2) | 0.0 psi |
| C. | Pressure loss due to interior water meter (x.x psi) and building interior RPZ (xx.x psi - 8 to 12 psi). | | psi |
| | | Subtotal | 0.0 psi |
| D. | Pressure required at controlling fixture. (Eyewash 30/35 psig, room xx.) | | psi |
| | | Subtotal | 0.0 psi |
| E. | Head loss from the building control valve to the controlling fixture.
(Elevation change, multiply by 0.434 psi/ft.) | Elevation change ft | |
| | | | 0.0 psi |
| | | Subtotal | 0.0 psi |
| F. | Pressure loss due to water treatment devices, instantaneous water heaters, backflow preventers, and other accessories which serve the controlling fixture.
(List devices, if any, e.g., thermostatic mixing valve.) | | psi |
| | | Total Available Pressure | 0.0 psi |
| G. | Actual pipe length from building control valve to controlling fixture ft | | |
| | Developed length. (Actual length, multiply by fitting/loss factor.) | fitting/loss factor | 1.5 |
| | | | 0.0 feet |
| | Pressure available for uniform loss. (Total Available Pressure / Developed Length.) | #DIV/0! | psi/ft |
| | Pressure available for uniform loss per 100 ft. (Multiply by 100 / 100.) | #DIV/0! | psi/100 ft |
| A. | Pressure available for uniform loss per 100 ft. (Value rounded up to next integer.) | "A" = | #DIV/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"