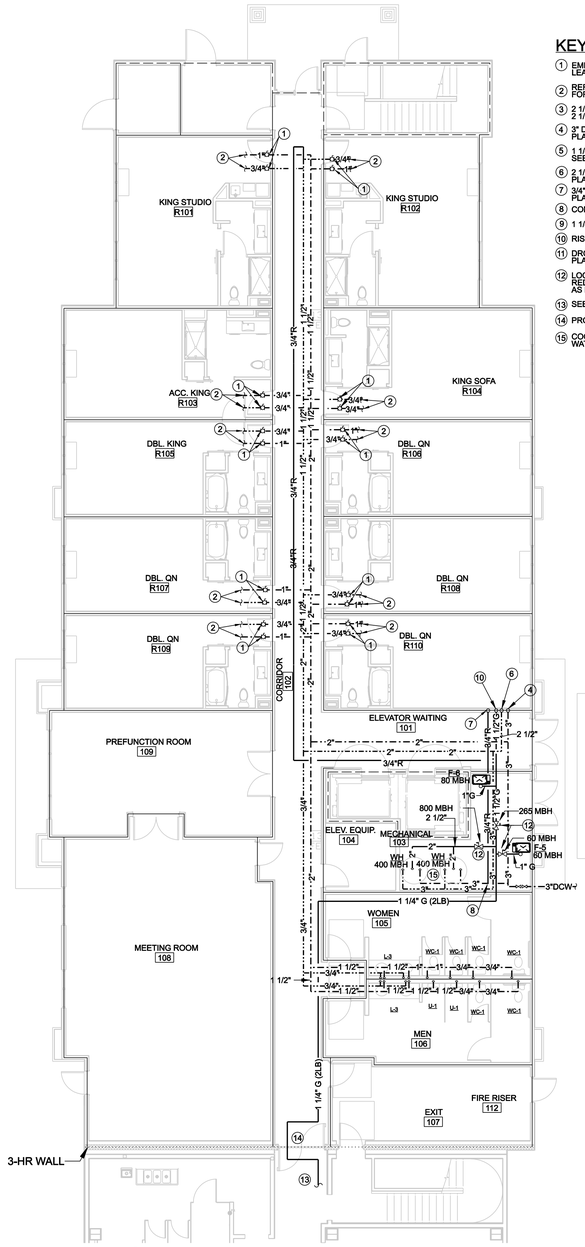


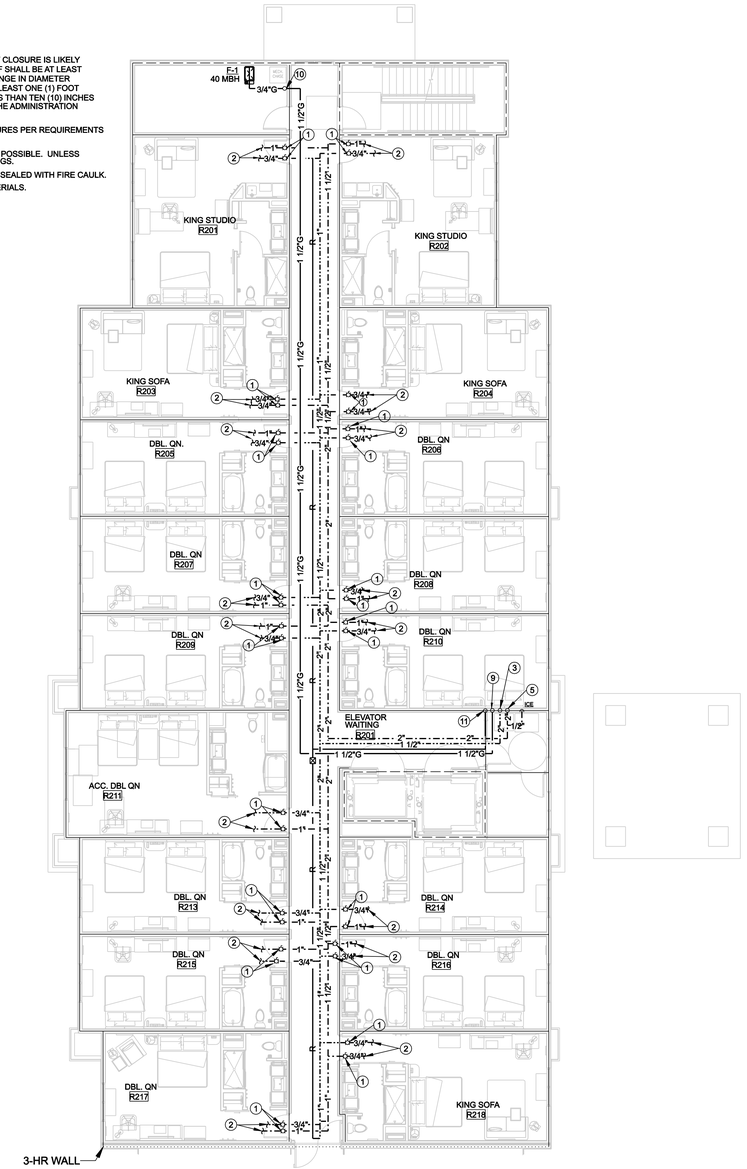
1ST FLOOR WATER AND GAS PLAN
SCALE: 1/8" =1'-0"

KEYED NOTES

1. EMERGENCY SHUT-OFF VALVE FOR GUEST ROOMS. LEAVE ACCESSIBLE IN CORRIDOR CEILING ABOVE.
2. REFERENCE ENLARGED PLUMBING PLANS ON SHEET P1.2 FOR CONTINUATION.
3. 2 1/2" DOMESTIC HOT WATER FROM BELOW AND 2 1/2 " TO ABOVE. RE:P1.0 A AND P1.1A FOR CONTINUATION.
4. 3" DCW RISE TO ABOVE AT THIS LOCATION. SEE SECOND FLOOR PLAN ON THIS SHEET AND SHEET P1-1 FOR CONTINUATION..
5. 1 1/4" GAS RISE UP TO SECOND FLOOR AT THIS LOCATION. SEE SECOND FLOOR PLAN ON THIS SHEET FOR CONTINUATION.
6. 2 1/2" DHW RISE UP TO FIFTH FLOOR AT THIS LOCATION. SEE SECOND FLOOR PLAN ON THIS SHEET AND SHEET P1-1 FOR CONTINUATION.
7. 3/4" RECIRC LINE FROME FLOOR ABOVE. SEE SECOND FLOOR PLAN ON THIS SHEET AND SHEET P1-1 FOR CONTINUATION.
8. CONNECT 3/4" RECIRC LINE TO DCW AT THIS LOCATION.
9. 1 1/4" GAS FROM BELOW RISE TO ABOVE CEILING AND RUN AS SHOWN.
10. RISE 1 1/4" GAS TO ABOVE SEE P-1.1 FOR CONTINUATION.
11. DROP 3/4" RECIRC LINE TO BELOW. 1ST FLOOR PLAN ON THIS SHEET AND SHEET P1-1 FOR CONTINUATION.
12. LOCATION OF GAS PRESSURE REGULATOR SIZED FOR CAPACITY SHOWN. REDUCE PRESSURE FROM 2 PSIG TO 4 OZ. VENT REGULATOR TO OUTDOORS AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
13. SEE HOMEWOOD PLANS FOR CONTINUATION GAS LINE CONNECTION.
14. PROVIDE FLEXIBLE SEISMIC JOINT AT THREE HOUR WALL FOR GAS LINE.
15. COORDINATE WITH HVAC CONTRACTOR TO INSTALL CONCENTRIC VENTS FOR WATER HEATERS AT THIS LOCATION.

GENERAL NOTES

1. VENT TERMINATIONS: IF FROST OR SNOW CLOSURE IS LIKELY EACH VENT EXTENSION THROUGH A ROOF SHALL BE AT LEAST THREE (3) INCHES IN DIAMETER, THE CHANGE IN DIAMETER SHALL BE MADE INSIDE THE BUILDING AT LEAST ONE (1) FOOT BELOW THE ROOF & TERMINATE NOT LESS THAN TEN (10) INCHES ABOVE THE ROOF, OR AS REQUIRED BY THE ADMINISTRATION AUTHORITY.
2. SEAL BETWEEN WALLS & PLUMBING FIXTURES PER REQUIREMENTS OF THE HEALTH DISTRICT.
3. SLOPE ALL SEWERS 1/4" PER FOOT WHEN POSSIBLE. UNLESS INDICATED OTHERWISE ON PECO DRAWINGS.
4. ALL FIRE WALLS PENETRATIONS MUST BE SEALED WITH FIRE CAULK.
5. SEE SHEET M0.1 FOR ALL PLUMBING MATERIALS.



2ND FLOOR WATER AND GAS PLAN
SCALE: 1/8" =1'-0"

PLUMBING LEGEND

SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION	MEANING
	SOIL OR WASTE BELOW GRADE	COTG	CLEAN OUT TO GRADE
	SOIL OR WASTE ABOVE GRADE	V	PLUG,COCK, AND UNION VENT
	VENT	CO	CLEANOUT
R	RECIRCULATED HOT WATER	VTR	VENT THRU ROOF
	DOMESTIC COLD WATER	P.C & U	
	DOMESTIC HOT WATER	POC	POINT OF CONNECTION
G	GAS	WCO	WALL CLEANOUT
	EMERGENCY SHUT OFF VALVE	FCO	FLOOR CLEANOUT
	CIRCUT SETTER		

ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWING

WALL LEGEND

SYMBOL	DESCRIPTION
	1- HOUR FIRE WALL, BARRIER OR PARTITION REFERENCE ARCHITECTURAL SHEET A8.01 & A8.02
	2- HOUR FIRE RATED WALL
	3- HOUR FIRE RATED WALL

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles 18, 19, 20, 21, 24, and 25
May 29 2020
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Stephen McCord
BLD19-00927

PERMIT# BLD19-00927

REVISIONS	BY
1 CITY REVISIONS 8/15/19	JW
2 CITY REVISIONS 1/30/20	TB
3 CITY COMMENTS 2/17/20	AB

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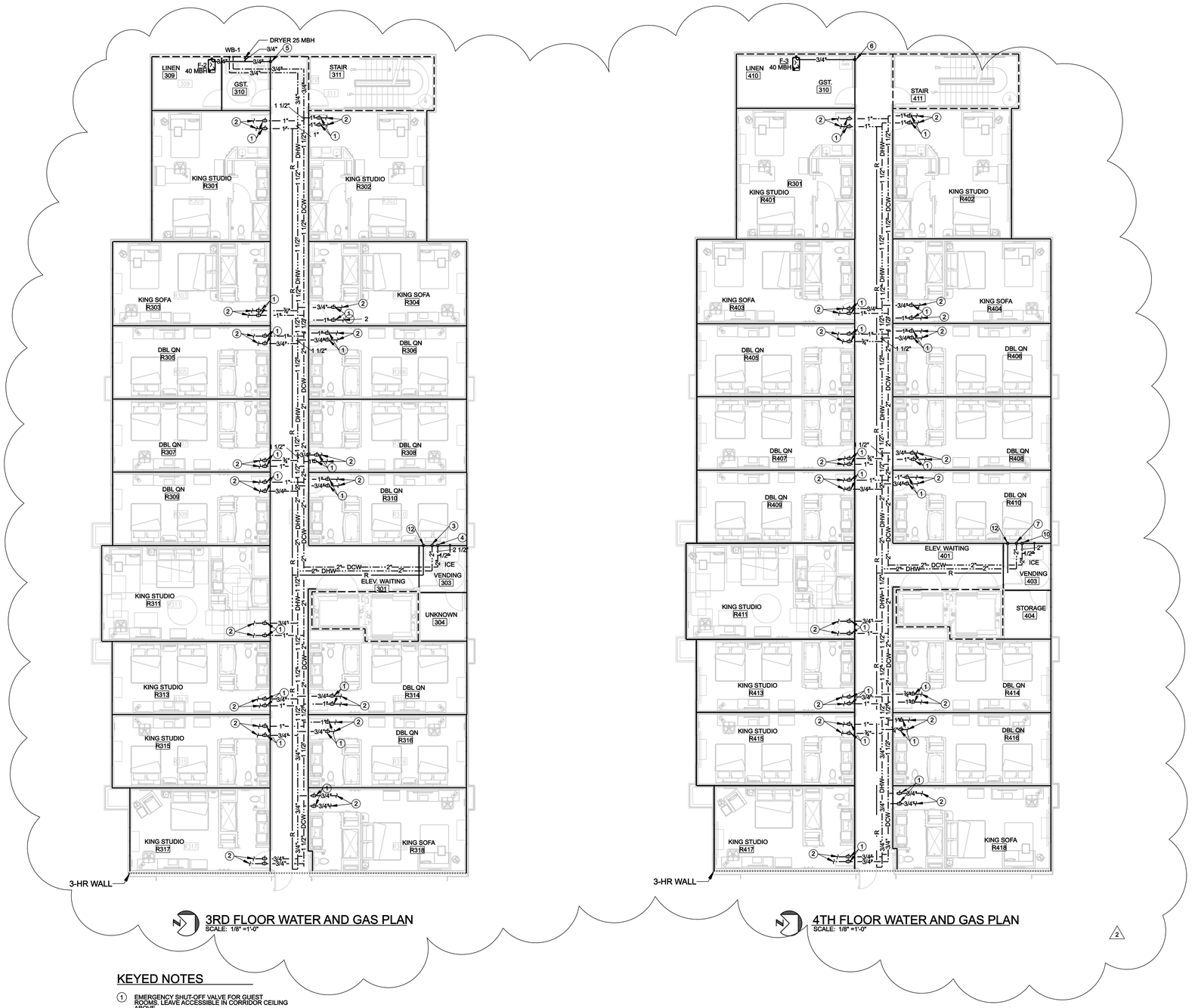
NEWHALL RANCH RD
SANTA CLARITA, CA 91355

FIRST & SECOND FLOOR WATER AND GAS PLANS

DRAWN	JW/AJ/AB/TB
CHECKED	JB
DATE	APR 23, 2019
SCALE	AS NOTED
JOB NO.	15-112
SHEET	P1.0
OF	SHEETS



3RD FLOOR WATER AND GAS PLAN
SCALE: 1/8" =1'-0"

4TH FLOOR WATER AND GAS PLAN
SCALE: 1/8" =1'-0"

5TH FLOOR WATER AND GAS PLAN
SCALE: 1/8" =1'-0"

KEYED NOTES

1. EMERGENCY SHUT-OFF VALVE FOR GUEST ROOMS. LEAVE ACCESSIBLE IN CORRIDOR CEILING ABOVE.
2. REFERENCE ENLARGED PLUMBING PLANS ON SHEET P1.2 FOR CONTINUATION.
3. 2 1/2" DOMESTIC HOT WATER FROM BELOW AND 2 1/2" TO ABOVE. RE:P1.0.B FOR CONTINUATION.
4. 3" DOMESTIC COLD WATER FROM BELOW AND 2 1/2" TO ABOVE. RE:P1.0 FOR CONTINUATION.
5. 1 1/4" GAS FROM BELOW, 1" GAS TO ABOVE SEE P1.0 FOR CONTINUATION.
6. 1" GAS FROM BELOW, 3/4" GAS TO ABOVE SEE P1.0 FOR CONTINUATION.
7. 2 1/2" DOMESTIC HOT WATER FROM BELOW AND 2" TO ABOVE. RE:P1.0 FOR CONTINUATION.
8. 2" DOMESTIC HOT WATER FROM BELOW RISE TO ABOVE CEILING AND RUN AS SHOWN.
9. 3/4" GAS FROM BELOW RISE TO ABOVE CEILING AND RUN AS SHOWN. SEE P1.1 FOR CONTINUATION.
10. 2 1/2" DOMESTIC COLD WATER FROM BELOW AND 2" TO ABOVE. RE:P1.1 FOR CONTINUATION.
11. 2" DOMESTIC COLD WATER FROM BELOW RISE AND RUN AS SHOWN. SEE P1.1 FOR CONTINUATION.
12. DROP 3/4" RECIRC LINE TO 1ST FLOOR SEE P1.0 FOR CONTINUATION.

WALL LEGEND

SYMBOL	DESCRIPTION
————	1- HOUR FIRE WALL, BARRIER OR PARTITION REFERENCE ARCHITECTURAL SHEET A8.01 & A8.02
— — — —	2- HOUR FIRE RATED WALL
.....	3- HOUR FIRE RATED WALL

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1	CITY REVISIONS 8/15/19	JW
2	CITY COMMENTS 2/17/20	AB

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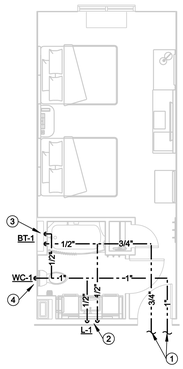
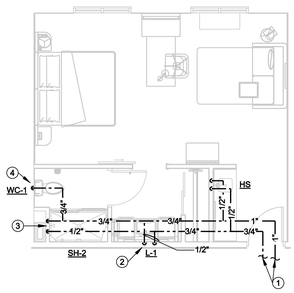
HAMPTON INN
NEWHALL RANCH RD
SANTA CLARITA, CA 91355
3RD THRU 5TH FLOOR PLUMBING PLAN

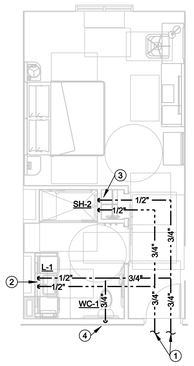
DRAWN	JW/AJ/AB/TB
CHECKED	JB
DATE	APR 23, 2019
SCALE	AS NOTED
JOB NO.	15-112
SHEET	P1.1
OF	SHEETS



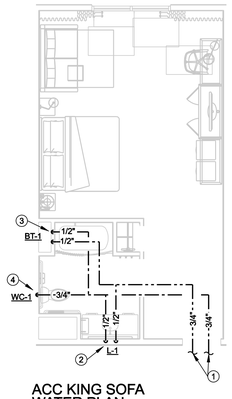
DOUBLE QUEEN
WATER PLAN (A)
SCALE: 1/4" = 1'-0"



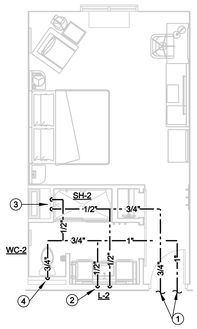
KING STUDIO
WATER PLAN (B)
SCALE: 1/4" = 1'-0"



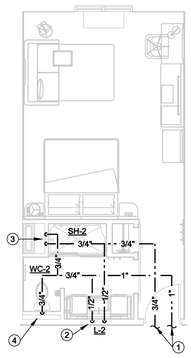
ACC KING
WATER PLAN (C)
SCALE: 1/4" = 1'-0"



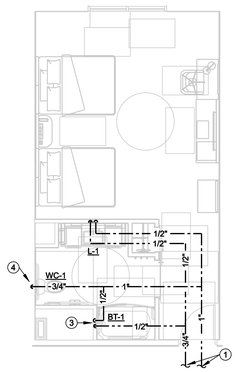
ACC KING SOFA
WATER PLAN (D)
SCALE: 1/4" = 1'-0"



KING
WATER PLAN (E)
SCALE: 1/4" = 1'-0"



KING SOFA
WATER PLAN (F)
SCALE: 1/4" = 1'-0"



ACC DOUBLE QUEEN
WATER PLAN (G)
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. SEE WATER AND GAS PLANS ON SHEETS P1.0 AND P1.1 FOR CONTINUATION.
2. ROUGH-IN 1/2" DCW AND 1/2"DHW TO SINK/LAVATORY AT THIS LOCATION.
3. ROUGH-IN 1/2" DCW AND 1/2" DHW TO SHOWER/BATHTUB AT THIS LOCATION.
4. ROUGH-IN 3/4" TO WATER CLOSET AT THIS LOCATION.

GENERAL NOTE

1. SEE PLUMBING FLOOR PLANS FOR FIRE WALL RATINGS.

2

REVISIONS	BY
1 CITY REVISIONS 8/15/19	JW
2 CITY COMMENTS 2/17/20	

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HAMPTON INN
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SANTA CLARITA, CA 91355

LARGE SCALE WATER PLANS

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
Under SCMC Titles 18, 19, 20, 21, 24, and 25
May 29 2020

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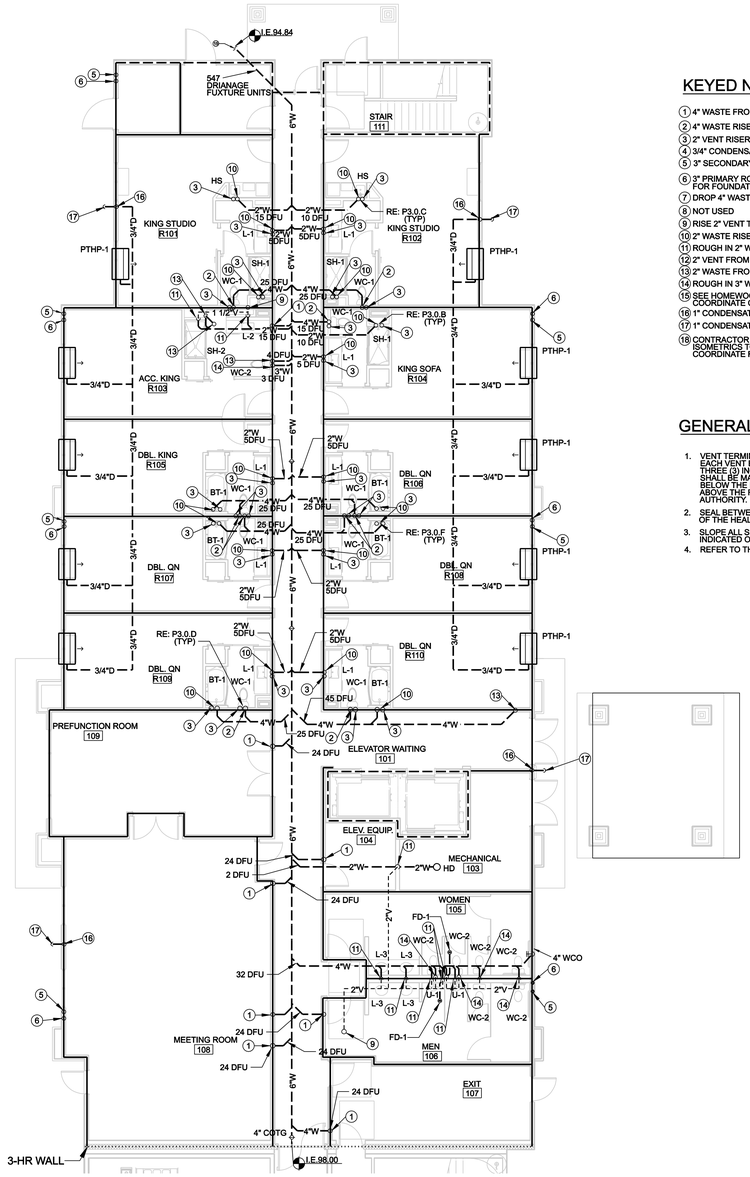
Stephen McCord
BLD19-00927

PERMIT# BLD19-00927

DRAWN	JW/AJ/AB/TB
CHECKED	JB
DATE	APR 23, 2019
SCALE	AS NOTED
JOB NO.	15-112
SHEET	P1.2
OF	SHEETS



1ST FLOOR PLUMBING PLAN

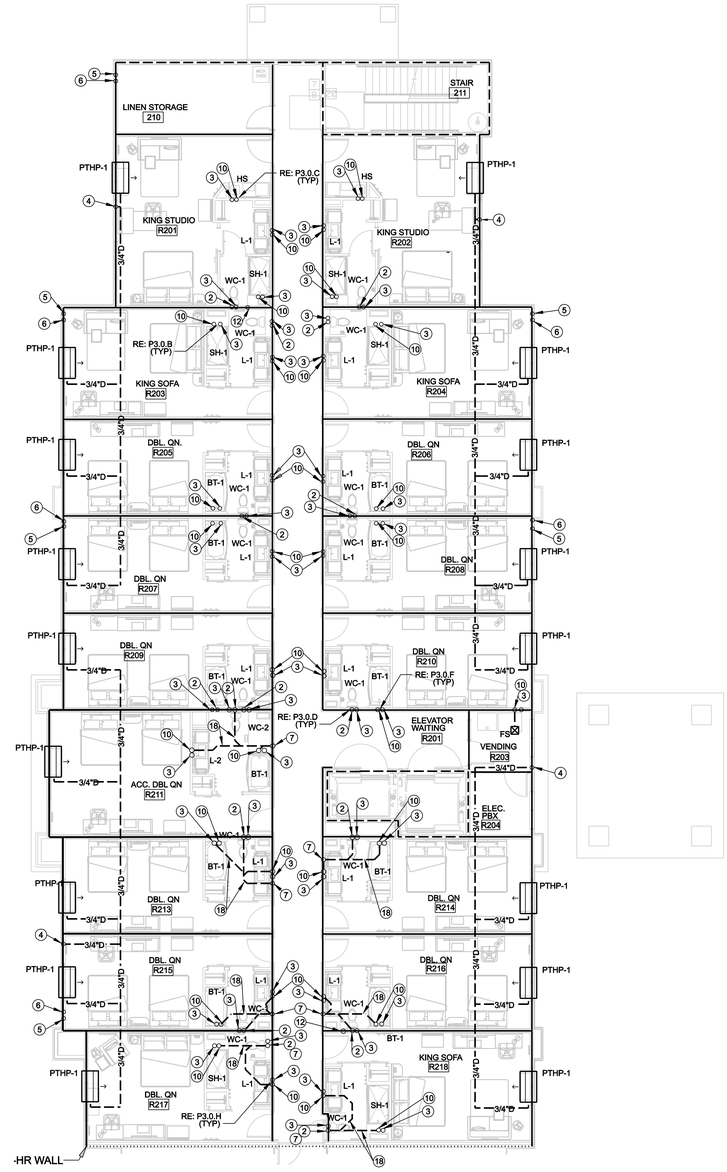
SCALE: 1/8" =1'-0"

KEYED NOTES

1. 4" WASTE FROM ABOVE SEE SECOND FLOOR PLAN ON THIS SHEET FOR CONTINUATION.
2. 4" WASTE RISER SEE SHEET P2.1 FOR CONTINUATION.
3. 2" VENT RISER SEE SHEET P2.1 FOR CONTINUATION
4. 3/4" CONDENSATE FROM ABOVE SEE P2.1 FOR CONTINUATION.
5. 3" SECONDARY DRAIN, DAYLIGHT 18" ABOVE GRADE SEE DETAIL
6. 3" PRIMARY ROOF DRAIN TO BELOW GRADE COORDINATE WITH STRUCTURAL FOR FOUNDATION AND FOOTING DETAILS, SEE CIVIL FOR CONTINUATION.
7. DROP 4" WASTE TO FIRST FLOOR. SEE FIRST FLOOR PLAN ON THIS SHEET FOR CONTINUATION.
8. NOT USED
9. RISE 2" VENT TO ABOVE. SEE SECOND FLOOR ON THIS SHEET FOR CONTINUATION.
10. 2" WASTE RISER SEE SHEET P2.1 FOR CONTINUATION.
11. ROUGH IN 2" WASTE AND 1 1/2" VENT AT THIS LOCATION.
12. 2" VENT FROM BELOW SEE FIRST FLOOR WASTE AND VENT PLAN ON THIS SHEET FOR CONTINUATION.
13. 2" WASTE FROM ABOVE SEE SECOND FLOOR ON THIS SHEET FOR CONTINUATION.
14. ROUGH IN 3" WASTE AND 2" VENT AT THIS LOCATION.
15. SEE HOMEWOOD SUITE FLOOR PLAN SHEET P1.1A FOR CONTINUATION OF SANITARY SEWER. COORDINATE CONNECTION SITE WITH GENERAL CONTRACTOR.
16. 1" CONDENSATE FROM ABOVE SEE SHEET P2.1 FOR CONTINUATION.
17. 1" CONDENSATE DRAIN. DAYLIGHT 18" ABOVE GRADE.
18. CONTRACTOR SHALL OFFSET SANITARY WASTE PIPING NOT INDICATED ON ISOMETRICS TO ALLOW FOR ARCHITECTURAL WALL OFFSET AT FIRST FLOOR. COORDINATE ROUTING WITH GENERAL CONTRACTOR.

GENERAL NOTES

1. VENT TERMINATIONS: IF FROST OR SNOW CLOSURE IS LIKELY EACH VENT EXTENSION THROUGH A ROOF SHALL BE AT LEAST THREE (3) INCHES IN DIAMETER. THE CHANGE IN DIAMETER SHALL BE MADE INSIDE THE BUILDING AT LEAST ONE (1) FOOT BELOW THE ROOF & TERMINATE NOT LESS THAN TEN (10) INCHES ABOVE THE ROOF, OR AS REQUIRED BY THE ADMINISTRATION AUTHORITY.
2. SEAL BETWEEN WALLS & PLUMBING FIXTURES PER REQUIREMENTS OF THE HEALTH DISTRICT.
3. SLOPE ALL SEWERS 1/4" PER FOOT WHEN POSSIBLE. UNLESS INDICATED OTHERWISE ON DRAWINGS.
4. REFER TO THIS SHEET FOR FIXTURE SCHEDULE AND SYMBOLS LEGEND.



2ND FLOOR PLUMBING PLAN

SCALE: 1/8" =1'-0"

PLUMBING LEGEND

SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION	MEANING
	SOIL OR WASTE BELOW GRADE	C.O.T.G.	CLEAN OUT TO GRADE
	SOIL OR WASTE ABOVE GRADE	V	PLUG COCK, AND UNION VENT
	VENT	C.O.	CLEANOUT
	RECIRCULATED HOT WATER	VTR	VENT THRU ROOF
	COLD WATER	P.C & U	
	HOT WATER	P.O.C.	POINT OF CONNECTION
G	GAS	W.C.O.	WALL CLEANOUT
		F.C.O.	FLOOR CLEANOUT

ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWING

WALL LEGEND

SYMBOL	DESCRIPTION
	1- HOUR FIRE WALL, BARRIER OR PARTITION REFERENCE ARCHITECTURAL SHEET A8.01 & A8.02
	2- HOUR FIRE RATED WALL
	3- HOUR FIRE RATED WALL

REVISIONS	BY
1 CITY REVISIONS 8/15/19	JW
2 CONTRACTOR REVISIONS 1/23/20	TB
3 CITY COMMENTS 2/17/20	AB

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HAMPTON INN
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FIRST & SECOND FLOOR PLUMBING PLAN

CITY OF SANTA CLARITA
BUILDING & SAFETY
APPROVED
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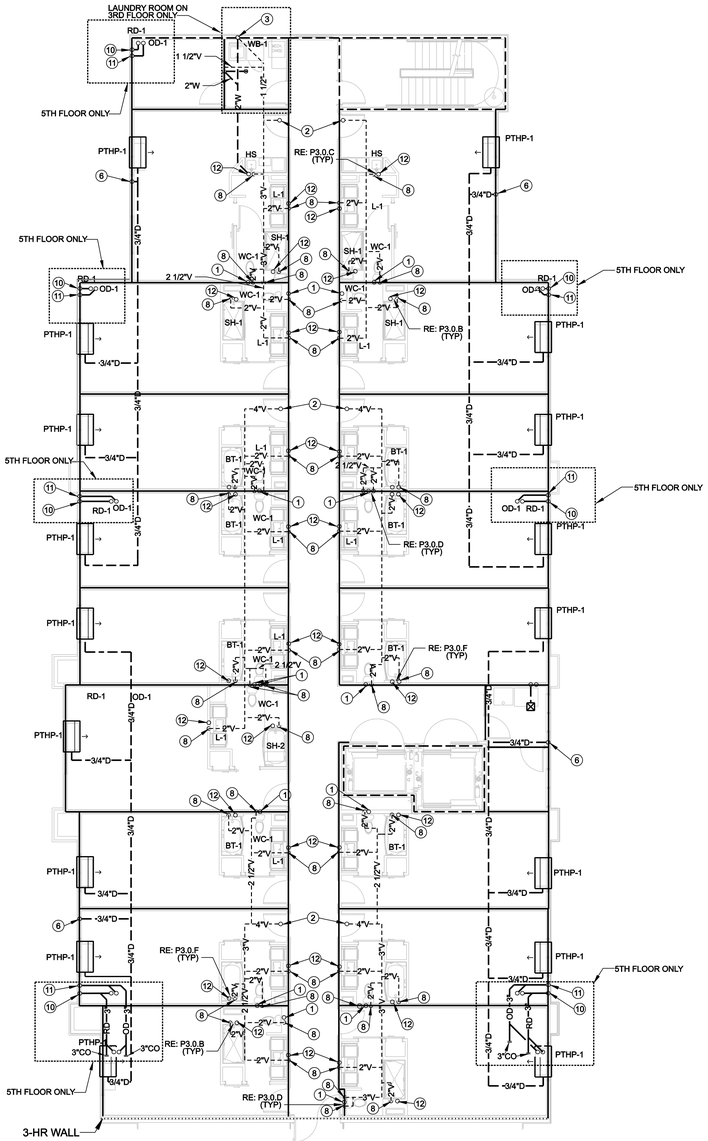
BLD19-00927

PERMIT# BLD19-00927

DRAWN	JW/AJ/AB/TB
CHECKED	JB
DATE	APR 23, 2019
SCALE	AS NOTED
JOB NO.	15-112
SHEET	3 P2.0
OF	SHEETS



3RD THRU 5TH FLOOR WASTE AND VENT PLAN

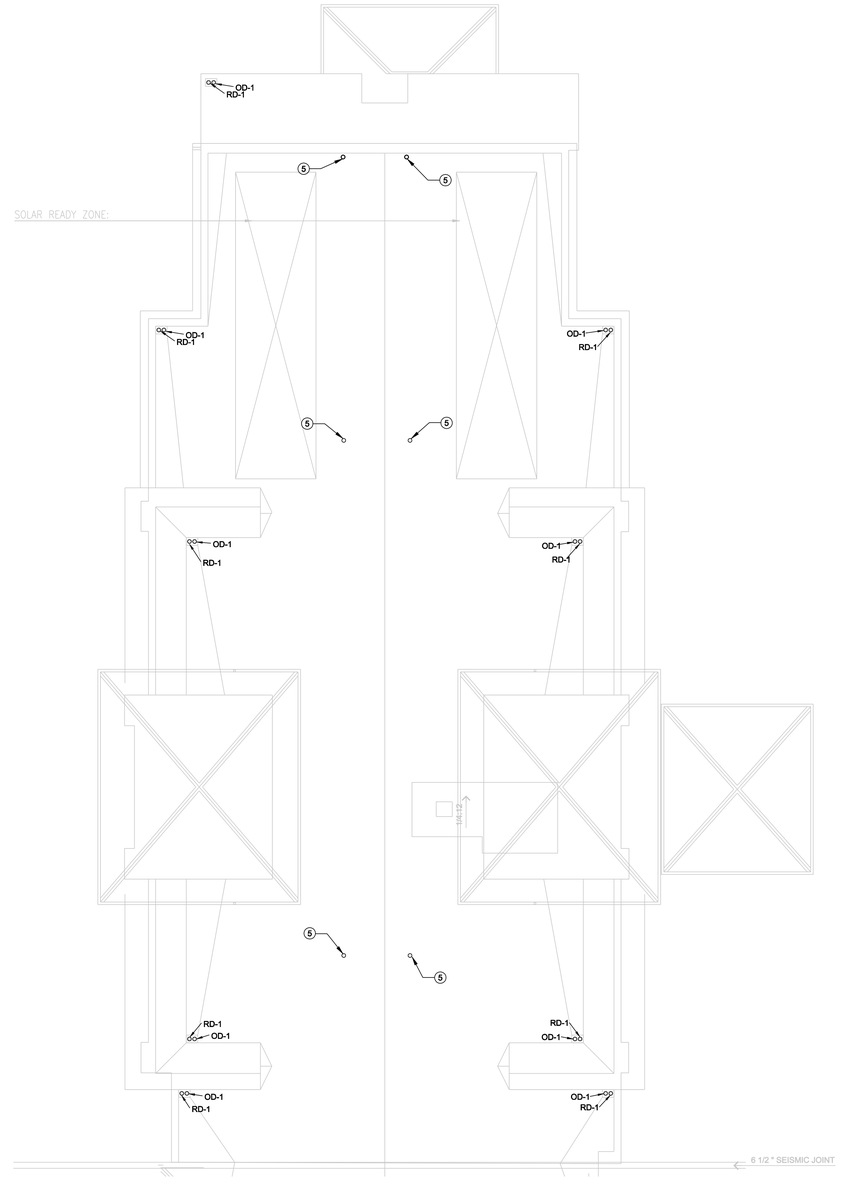
SCALE: 1/8 =1'-0"

KEYED NOTES

1. 4" WASTE RISER TO FLOORS BELOW. COORDINATE LOCATION WITH ARCHITECTURAL PLANS. SEE P2.0.B FOR CONTINUATION.
2. 4" VENT UP THROUGH ROOF SEE P2.1.B FOR CONTINUATION.
3. ROUGH-IN 2" WASTE AND 1 1/2" VENT FOR WASHER BOX .
4. NOT USED
5. 4" VTR FROM BELOW SEE P2.1.A FOR CONTINUATION.
6. 3/4" CONDENSATE TO BELOW SEE P2.0.B FOR CONTINUATION.
7. NOT USED
8. 2" VENT RISER FROM BELOW SEE P2.0.B FOR CONTINUATION.
9. NOT USED
10. 3" PRIMARY ROOF DRAIN DOWN TO 1ST FLOOR SEE P2.0.A FOR CONTINUATION.
11. 3" SECONDARY ROOF DRAIN DOWN TO 1ST FLOOR SEE P2.0.A FOR CONTINUATION.
12. 2" WASTE RISER TO FLOORS BELOW. COORDINATE LOCATION WITH ARCHITECTURAL PLANS. SEE P2.0.B FOR CONTINUATION.

GENERAL NOTE

1. VENT PIPING INTER CONNECTIONS INDICATED ON PLAN IS FOR 5TH FLOOR ONLY. 3RD AND 4TH FLOORS INDIVIDUAL FIXTURE VENTS AND RISERS SHALL BE SIMILAR TO 1ST AND 2ND FLOOR VENT STACK SYSTEM.



ROOF PLUMBING PLAN

SCALE: 1/8 =1'-0"

REVISIONS	BY
1 CITY REVISIONS 8/15/19	JW
2 CITY COMMENTS 2/17/20	AB

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3RD THRU 5TH FLOOR PLUMBING PLAN

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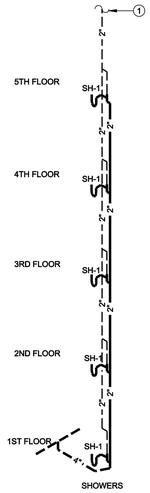
Stephen McCord
BLD19-00927

PERMIT# BLD19-00927

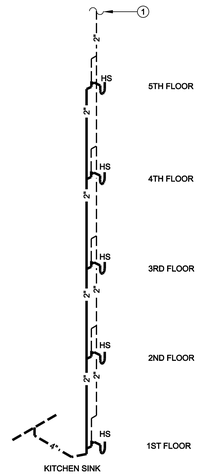
DRAWN	JW/AJ/AB/TB
CHECKED	JB
DATE	APR 23, 2019
SCALE	AS NOTED
JOB NO.	15-112
SHEET	P2.1
OF	SHEETS

NOT USED

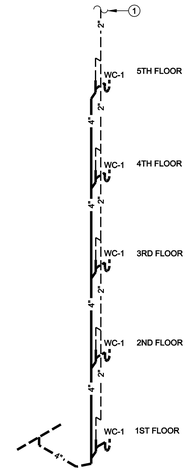
WASTE RISER
5 STORY WATER CLOSET/LAV (A)
SCALE: NONE



WASTE RISER
5 STORY SHOWERS (B)
SCALE: NONE



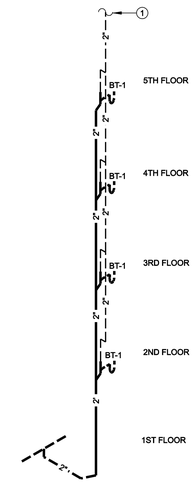
WASTE RISER
5 STORY KITCHEN SINK (C)
SCALE: NONE



WASTE RISER
5 STORY WATER CLOSET (D)
SCALE: NONE

NOT USED

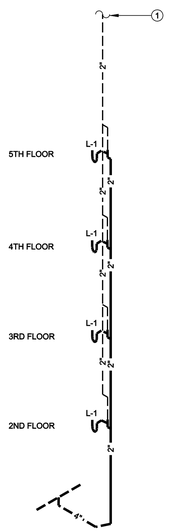
WASTE RISER
5 STORY BACK TO BACK LAV (E)
SCALE: NONE



WASTE RISER
5 STORY WATER CLOSET (F)
SCALE: NONE

NOT USED

WASTE RISER
5 STORY BACK TO BACK LAV (G)
SCALE: NONE



WASTE RISER
4 STORY LAV (H)
SCALE: NONE

KEYED NOTES

1. SEE SHEET P2.1 FOR VENT HEADER CONFIGURATIONS.

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NEWHALL RANCH RD
SANTA CLARITA, CA 91355

PLUMBING RISER DIAGRAMS

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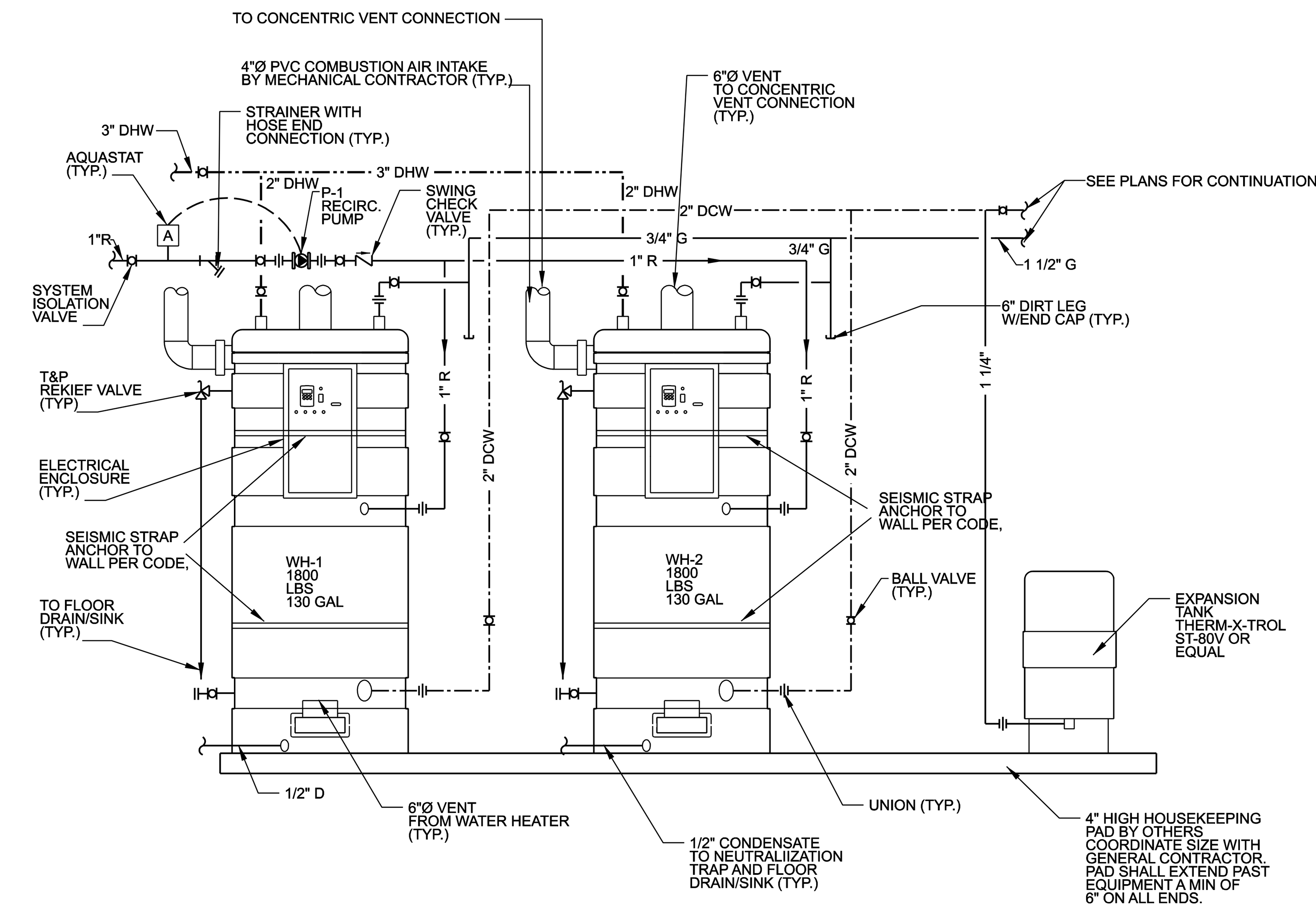
2

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURE & MODEL #	TRIM & DETAIL REFERENCE	CONNECTIONS HW	CW	W	V	NOTES
WC-1	WATER CLOSET TYPICAL GUEST ROOM (TANK TYPE)	KHOLER WELLWORTH CLASS 5 K-3978-0	WHITE VITREOUS CHINA: FLOOR MOUNTED. PROVIDE TANK AND COVER, CHROME PLATED TRIP LEVER & BOLT CAPS. PROVIDE 1/2" X 3/8" ANGLE STOP W/OVAL HANDLE AND FLEXIBLE RISERS @ 10" A.F.F. PROVIDE CHURCH (BEMIS) 7600T ELONGATED CLOSED FRONT SEAT WITH LID.	---	3/4	3	2	SHALL HAVE MAX. FLUSH VOL. NOT MORE THAN 1.28 GPF PER CALGREEN 5.303.3.1
WC-2	WATER CLOSET GUEST RM. ADA (TANK TYPE)	KOHLER HIGHLINE CLASS 5 K-3979-0	WHITE VITREOUS CHINA: FLOOR MOUNTED. PROVIDE TANK AND COVER, CHROME PLATED TRIP LEVER & BOLT CAPS. PROVIDE 1/2" X 3/8" ANGLE STOP W/OVAL HANDLE AND FLEXIBLE RISERS @ 10" A.F.F. MOUNT PER ADA, LEVER ON WIDE SIDE. PROVIDE BEMIS 7900TDGSL ELONGATED CLOSED FRONT SEAT WITH LID.	---	3/4	3	2	SHALL HAVE MAX. FLUSH VOL. NOT MORE THAN 1.28 GPF PER CALGREEN 5.303.3.1
L-1	LAVATORY GUEST ROOM	KOHLER K-2210-0 W/KOHLER K-151-XF-CP FAUCET	COUNTER MOUNT: WHITE VITREOUS CHINA. COORDINATE W/ CABINETRY FOR INSTALLATION. PROVIDE 17 GA CHROME P-TRAP W/ C.O., LIFT WASTE ASSEMBLY. PROVIDE 1/2" X 3/8" CHROME ANGLE STOPS AND FLEXIBLE SUPPLIES. CHROME FAUCET.	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 0.5 GPM PER CALGREEN 5.303.3.4
L-2	LAVATORY GUEST ROOM (ADA)	KOHLER K-2210-0 W/KOHLER K-15182-XF-CP FAUCET	COUNTER MOUNT: WHITE VITREOUS CHINA. COORDINATE W/ CABINETRY FOR INSTALLATION. PROVIDE 17 GA CHROME P-TRAP W/ C.O., LIFT WASTE ASSEMBLY. OFFSET DRAIN FOR WHEELCHAIR ACCESS. PROVIDE 1/2" X 3/8" CHROME ANGLE STOPS AND FLEXIBLE SUPPLIES. CHROME FAUCET. PROVIDE ADA INSULATION KIT.	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 0.5 GPM PER CALGREEN 5.303.3.4
L-3	LAVATORY PUBLIC (ADA)	KOHLER K-2210-0 W/KOHLER K-15198-XF-CP FAUCET	COUNTER MOUNT: WHITE VITREOUS CHINA. COORDINATE W/ CABINETRY FOR INSTALLATION. PROVIDE 17 GA CHROME P-TRAP W/ C.O., LIFT WASTE ASSEMBLY. OFFSET DRAIN FOR WHEELCHAIR ACCESS. PROVIDE 1/2" X 3/8" CHROME ANGLE STOPS AND FLEXIBLE SUPPLIES. CHROME FAUCET. PROVIDE ADA INSULATION KIT.	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 0.5 GPM PER CALGREEN 5.303.3.4
SH-1	SHOWER GUEST ROOM	MINCY MARBLE SP-3660-CD-IF (LEFT OR RIGHT)	CAST MARBLE PAN W/ SLIP RESISTANT FINISH. PROVIDE KOHLER K-304-KS PRESS. BALANCING VALVE, W/ CHROME KOHLER K-T15621-X4-CP TRIM. PROVIDE CHROME KOHLER K-10284-CP SHOWER HEAD: MOUNT FACE OF SHOWER HEAD AT 6' 11". PROVIDE CHROME KOHLER K-9132 DRAIN. PLUMBING CONTRACTOR SHALL PROVIDE SAND/GROUT SHOWER PAN SUPPORT. VERIFY LEFT/RIGHT CONFIGURATION WITH ARCHITECTURAL PLANS. (SURROUND, GRAB BARS, AND SHOWER CURTAIN BY OTHERS).	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 1.8 GPM PER CALGREEN 5.303.3.3
SH-2	SHOWER GUEST ROOM ADA	MINCY MARBLE SP-3162-C-SF	CAST MARBLE PAN W/ SLIP RESISTANT FINISH. PROVIDE CHROME KOHLER K-304-KS PRESS. BALANCING VALVE, K-T15621-X4-CP TRIM, & KOHLER K-7395-CP ARM & FLANGE. PROVIDE CHROME KOHLER K-10286-CP HAND HELD SHOWER HEAD, K-9514-CP SUPPLY ELBOW, K-355-CP HOSE. & K-9660-CP IN -LINE VAC BREAKER. PROVIDE CHROME KOHLER K-10284-CP WALL MOUNT SHOWER HEAD. PROVIDE KOHLER K-728-K THREE-WAY DIVERTER W/ CHROME K-T10290-4-CP TRIM. PROVIDE CHROME KOHLER K-9132 DRAIN. PROVIDE FOLDING TEAKWOOD SEAT. PLUMBING CONTRACTOR SHALL PROVIDE SAND/GROUT SHOWER PAN SUPPORT: COORDINATE REQUIRED BLOCKING FOR SEAT AND SLIDE BAR. MOUNT CONTROLS, HAND HELD HEAD, WALL MOUNTED HEAD, & SLIDE BAR PER ADA REQUIREMENTS. (SURROUND, GRAB BARS. AND SHOWER CURTAIN BY OTHERS).	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 1.8 GPM PER CALGREEN 5.303.3.3
BT-1	BATH-TUB GUEST ROOMS	MINCY MARBLE SP-3162-C-SF	CAST IRON W/ SLIP RESISTANT FLOOR. PROVIDE CHROME KOHLER K-P15601-X4N-C TRIM SET W/ K-P304-KS-NA PRESSURE BALANCING VALVE: LESS SHOWER HEAD. PROVIDE CHROME KOHLER K-10284-CP SHOWER HEAD. PROVIDE CHROME GERBER 41-852 LIFT/TWIST STYLE STOPPER. VERIFY LEFT/RIGHT CONFIGURATION WITH ARCHITECTURAL PLANS. BALANCE BAR BY OTHERS. FACE OF SHOWER HEAD AT 6' 11"	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 1.8 GPM PER CALGREEN 5.303.3.3
HB-1	HOSE BIBB WALL HYDRANT	JAY R SMITH 5609QT	QUARTERHORSE 1/4 TURN NON-FREEZE WALL HYDRANT WITH INTEGRAL CACUUM BREAKER, T-HANDLE KEY. & 3/4" HOSE CONNECT. FLUSH MOUNT AT 18" ABOVE FINISHED GRADE.	---	1/2	---	---	
BFP-1	BACKFLOW PREVENTER DOUBLE CHECK	WATTS 909-OSY	PROVIDE 1/4 TURN BALL VALVE AND BRONZE STRAINER AND UNION CONNECTIONS	---	3	---	---	
FD-1	FLOOR DRAIN	JAY R SMITH 2D05Y-A-TP	ROUND NICKEL BRONZE STRAINER FOR CONCRETE FINISH, ALL OTHER AREAS USE 6" SQURE TOP: TRAP PRIMER CONNECTION. PROVIDE F37NB TOP FOR DRAINS RECEIVING CONDENSATE FROM MECHANICAL EQUIPMENT.	---	---	2	1 1/2	
WB-1	WALL BOX (CLOTHES WASHER HOOK-UP)	PPP-500MLB	FLUSH WALL MOUNT. PROVIDE WITH 1/4 TURN, LEVER HANDLE, BALL VALVES. HAMMER ARRESTORS BY PRECISION PLUMBING PRODUCTS.	3/4	3/4	3	2	
OD-1	OVERFLOW DRAIN	JAY R SMITH 1070Y-AD-R-C	OVERFLOW STANDPIPE TYPE ROOF DRAIN, DUCCO CAST IRON BODY WITH ADJUSTABLE EXTENSTION SLEEVE, POLYETHLENE DOME, COMBINED FLASHING CLAMP AND GRAVEL STOP, PVC STANDPIPE TYPE WATER DAM.	---	---		---	
RD-1	ROOF DRAIN	JAY R SMITH 1015Y-AD-R-C	DUCCO CAST IRON BODY WITH ADJUSTABLE EXTENSION SLEEVE, POLYETHELENE DOME, COMBINED FLASHING CLAMP AND GRAVEL STOP, REVERSIBLE COLLAR.	---	---		---	
WH	WATER HEATERS	PVI MODEL NO. 40-L-130A-GCL	130 GALLON AQUA-PLEX CONSENTRIC VENT, 130 GALLON GAS FIRED 399 MBH	2	2	---	---	
HD	HUB DRAIN	3"X2" NO HUB REDUCER	RE:P-6.F			2	1 1/2	
U-1	URINAL	KHOLER "BARDON" K-4904-ET	SUPPLY VALVE:SLOAN ROYAL Y-111B URINAL SUPPORT:JR SMITH 0637 ELECTRICAL:6VDC SOLID STATE CONTROL CIRCUIT	---	3/4	2	1 1/2	SHALL HAVE MAX. FLUSH VOL. NOT MORE THAN 0.5 GPF PER CALGREEN 5.303.2.1
ICE	ICE MAKER	--	--	---	1/2	INDIRECT		----
HS	HAND SINK QUEST ROOM	JUST STYLIST DL-2233-A-GR-L	SYMMONS S-23-IPS SINGLE HANDLE	1/2	1/2	2	1 1/2	SHALL HAVE MAX. FLOW RATE NOT MORE THAN 0.5 GPM PER CALGREEN 5.303.3.4
FS	FLOOR SINK	JAY R SMITH 3140Y-12	6" DEEP ACID RESISTANT COATED CAST IRON, 12: SQUARE WITH A. R. COATED CAST IRON STRAINER. NO HUB OUTLET." GRATE COVER. 1/2" GRATE COVER.	1/2	1/2	3	2	----

ACCESSABLE FIXTURES TO COMPLY WITH ADA, INSULATE WASTE & SUPPLY PER CODE WHEN APPLICABLE.



GAS WATER HEATER DETAIL (B)

SCALE: NONE

NOTE:
VENTING MATERIAL SHALL BE IVPVC, CPVC OR LISTED STAINLESS STEEL. COORDINATE REQUIREMENTS WITH HVAC CONTRACTOR.

	PSI
AVAILABLE PRESSURE	90
BACKFLOW PREVENTER	-8
PRESS. LOSS ACROSS METER	-12
STATIC PRESS. LOSS (ELEV.) 8'-3" X .43=	-3.5
MIN. PRESS. AT LAST FIXTURE	-15
PERMITTED AVAIL. PIPING PRESS. LOSS	51.5
DISTANCE TO LAST FIXTURE	200 FT
EQUIVALENT DISTANCE-FITTINGS	50 FT
TOTAL EQUIVALENT DISTANCE	250 FT

ALLOWABLE PRESSURE LOSS PER 100 FT. = 31.5 X 100 / 250 FT = 12.6

FIXTURE	QUANTITY	F.U./ DEVICE F.U.	TOTAL
WATER CLOSET	84	2.5	210
LAVATORY	82	1	82
SHOWER	26	2	52
TUB/SHOWER	52	4	208
SINGLE SINK/KITCHEN	10	1	10
HOSE BIBB	3	2.5	7.5
COMMERCIAL CLTHS WSHR	1	4	4
ICE MACHINE	4	1	4
URINAL	2		35

TOTAL F.U. 612.5

WATER REQUIRED	150 GPM
METER SIZE	2 1/2"
SUPPLY MAIN SIZE	3"

WATER CALCULATION (A)

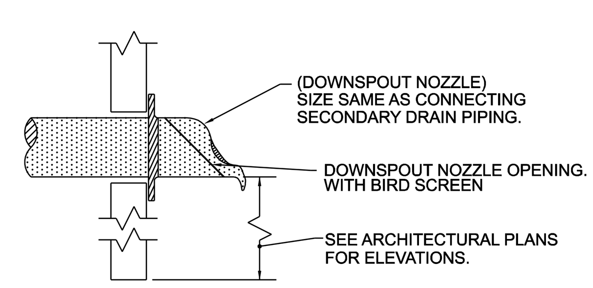
TOTAL EQUIVELENT
PIPE LENGTH: 450'
2 PSI GAS

EQUIPMENT	MBH
WH	400
WH	400
F-1	40
F-2	40
F-3	40
F-4	40
F-5	60
F-6	80
DRYER	25
HOMEWOOD	2986

TOTAL: 4,111 MBH

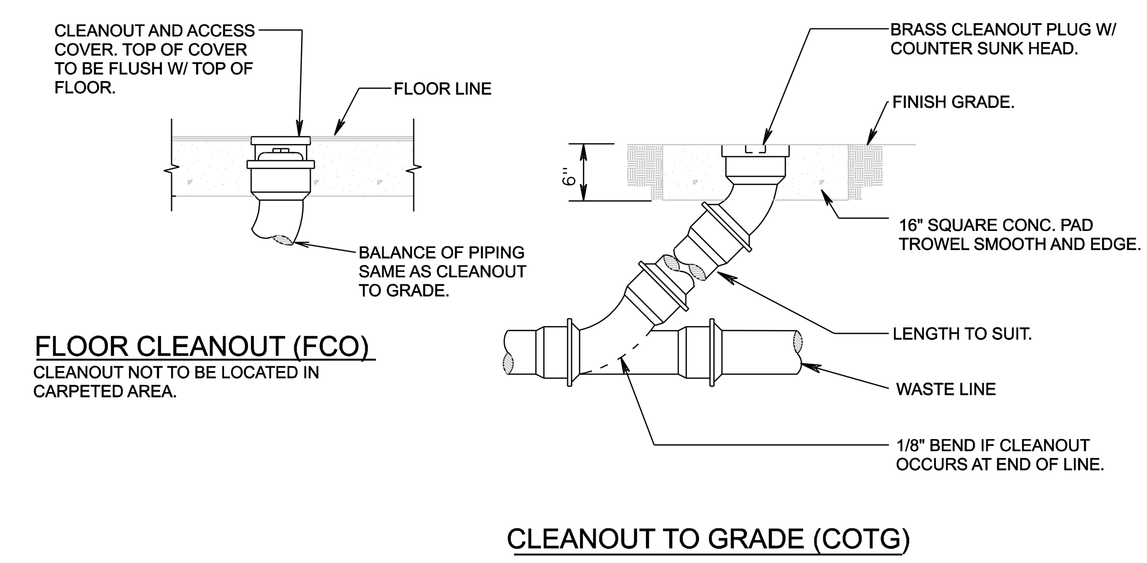
2 1/2" MAIN INTO BUILDING

GAS CALCULATION (C)



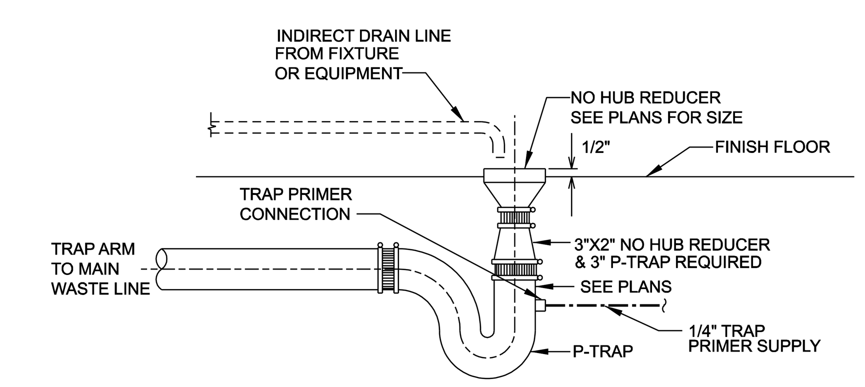
DOWNSPOUT NOZZLE DETAIL (D)

SCALE: NONE



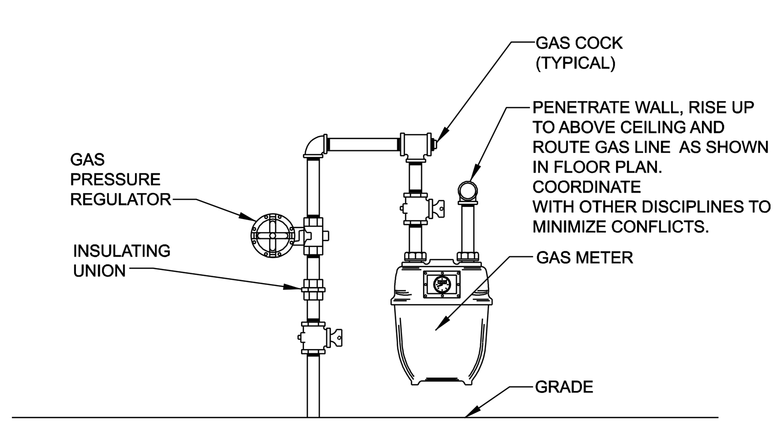
CLEANOUT DETAIL (E)

SCALE: NONE



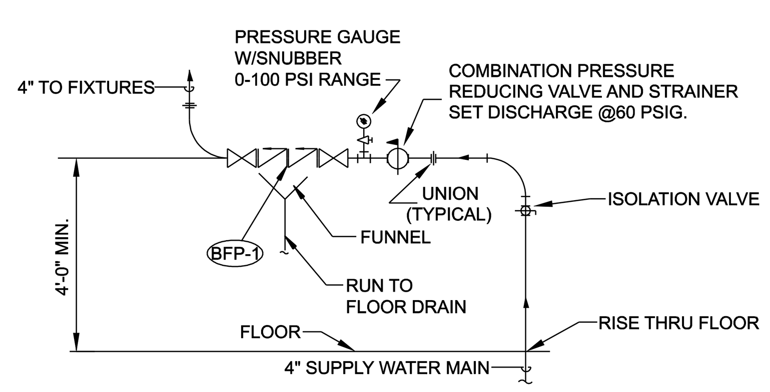
HUB DRAIN DETAIL (F)

SCALE: NONE



GAS METER DETAIL (G)

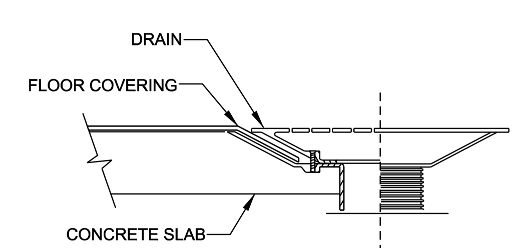
SCALE: NONE



NOTE:
ONLY PROVIDE PRESSURE REDUCING VALVE IF INCOMING PRESSURE EXCEEDS 80 PSIG. CONFIRM WATER PRESSURE WITH SITE CONDITIONS.

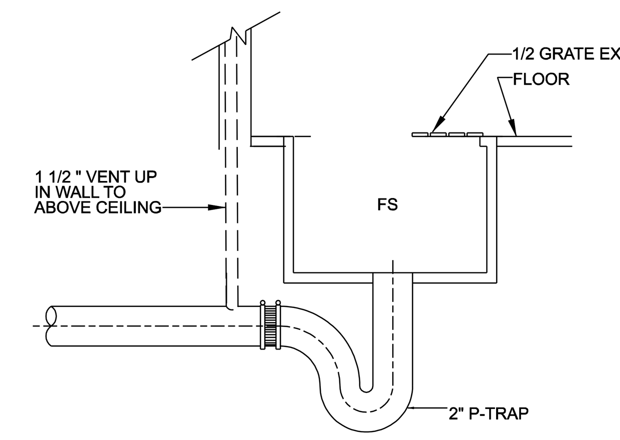
BACKFLOW PREVENTION STATION (H)

SCALE: NONE



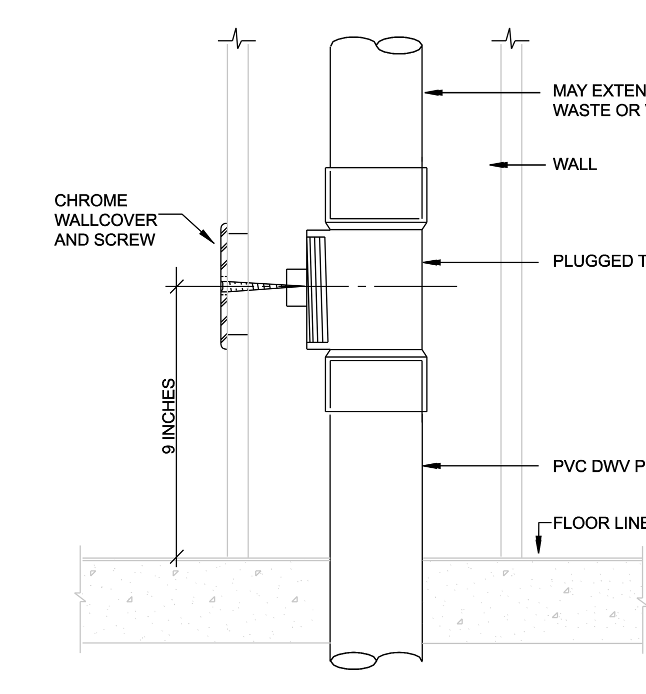
FLOOR DRAIN DETAIL (J)

SCALE: NONE



FLOOR SINK (K)

SCALE: NONE



WALL CLEANOUT DETAIL (L)

SCALE: NONE

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Kartchner Beaucannon Associates LLC MEP consultants
1301 S. Five Mile Rd. Boise ID 83709 Phone: 208-888-7145

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PLUMBING DETAILS

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