

Exterior Non Metallic Plumbing Piping

SCALE: NONE

P100 SCALE: NONE



- * INSTALL ADA FIXTURE WITH FLUSH HANDLE ON WIDE SIDE OF ROOM.
- * REFER TO ARCHITECTURAL DETAILS FOR SHOWER AND LAVATORY INSTALLATIONS.
- ** SHOWERS MAY REQUIRE AN OFF-SET DRAIN PAN TO COORDINATE WITH EXIST. BUILDING STEEL LOCATIONS. GENERAL CONTRACTOR WILL DO EXPLORATORY CUTTING IN CEILINGS/FLOORS TO VERIFY LOCATION OF BUILDING STEEL VS SHOWER DRAIN LOCATIONS.

		PLU	JMBING L	LOAD SUI	MMARY	,	
	SANITARY SEWER DEMAND (FU)	SANITARY SEWER LINE SIZE	DOMESTIC WATER DEMAND (FU)	DOMESTIC WATER DEMAND (GPM)	COLD WATER LINE SIZE	HOT WATER LINE SIZE	HOT WATER RECIRCULATING LINE SIZE
ISTING	-	-	-	-	-	-	-
NEW	283	6"	544	150	3 "	1-1/2"	1"
·							

F	LOOR DRAIN & CLEANOUT SCHEDULE
NUMBER	MODEL NUMBER
FD-A	ZURN ZN-415B: DURA COATED CAST IRON BODY ADJUSTABLE 6" B-TYPE NICKEL BRONZE STRAINER, BOTTOM OUTLET, TRAP PRIMER CONNECTION, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS. PROVIDE AND INSTALL WITH DEEP SEAL TRAP. SET STRAINER 1/4" BELOW FINISHED FLOOR.
FD-B	ZURN ZN-415I: DURA COATED CAST IRON BODY ADJUSTABLE 6" I-TYPE NICKEL BRONZE RECESSED STRAINER, BOTTOM OUTLET, TRAP PRIMER CONNECTION, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS. PROVIDE AND INSTALL WITH DEEP SEAL TRAP. SET STRAINER 1/4" BELOW FINISHED FLOOR.
INTERIOR CLEANOUT	ZURN Z1400-BP: EXTRA HEAVY DUTY "LEVEL TROL" ADJUSTABLE FLOOR CLEANOUT, DURACOATED CAST IRON BODY WITH GAS & WATER TIGHT BRONZE TAPER THREADED PLUG AND ROUND SCORIATED POLISHED BRONZE TOP.
EXTERIOR CLEANOUT GRADE AREAS	SCHEDULE 40 PVC PIPE AND CLEANOUT CAPS WITH PREFAB CONCRETE PADS TO MATCH SMITH HALL AND CAROLINA HALL.
EXTERIOR CLEANOUT	ZURN ZS1400-K-BP: "LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT, DURA COATED CAST IRON BODY WITH ANCHOR FLANGE, GAS & WATER TIGHT BRONZE TAPER PLUG AND ROUND SCORIATED CAST IRON HEAVY DUTY SECURED TOP WITH ACID RESISTING EPOXY COATED FINISH. (IN FINISHED CONCRETE AREAS)

OR PRE APPROVED EQUAL PRODUCTS BY: 1. SMITH 2. JOSAM

ASBESTOS CONTAINING MATERIALS (ACM) REFERRED FROM ARCHITECTURAL PLANS ASBESTOS CONTAINING MATERIALS (ACM) ARE PRESENT IN THE SPACE TO BE DEMOLISHED. SEE FIELD REPORT FOR ACM LOCATIONS. IF CONTRACTOR ENCOUNTERS WHAT HE SUSPECTS TO BE ACM, HE SHOULD NOT DISTURB IT AND NOTIFY THE OWNER IMMEDIATELY.

GENERAL PLUMBING NOTES:

GENERAL PLUMBING DEMOLITION NOTES:

1. ALL PIPING AND FIXTURES ARE TO BE REMOVED AS SHOWN WITHIN DEMOLITION HATCH AREAS.

NO EXISTING PIPING SHALL BE LEFT OPEN AFTER PARTIAL REMOVAL. PIPES SHALL BE CAPPED OR EITHER MADE READY FOR CONNECTION TO NEW WORK.

3. VERIFY THAT ALL EXISTING FLOOR PENETRATIONS (ABOVE & BELOW) ARE PROPERLY FIRE STOPPED AFTER THE DEMOLITION. THE G.C. SHALL FIRE STOP ALL EXISTING PENETRATIONS EXCEPT OPENINGS LEFT BY THE REMOVAL OF P, M & E PIPES, DUCT, ETC. PM & E CONTRACTORS SHALL FIRE STOP ALL THESE PENETRATIONS. NEW PENETRATIONS TO BE FIRE STOPPED BY RESPECTIVE TRADES.

4. FIELD VERIFY ALL EXISTING PIPE LOCATIONS, SIZES, AND INVERTS. THIS IS TO INCLUDE ALL COLD, HOT, AND HOT WATER RETURN PIPING, DRAIN WASTE AND VENT PIPING. REVIEW ALL NEW WORK PLANS THOROUGHLY PRIOR TO STARTING DEMOLITION.

5. REMOVE EXISTING ABANDONED PIPE HANGERS, RODS, AND SUPPORTS DURING DEMOLITION.

8. COORDINATE ALL SYSTEM SHUTDOWNS FOR DEMOLITION AND NEW WORK WITH OWNER.

PATCHING SHALL BE COMPLETED UNDER THE GENERAL CONTRACT.

6. ALL LINES THAT ARE TO BE REMOVED SHALL BE CAPPED AT A MAIN LINE, RISER OR STACKS.

7. ALL WALL CUTTING, CONCRETE DEMOLITION, CUTTING, AND REMOVAL FOR PLUMBING WORK SHALL BE COMPLETED AS PART OF THE PLUMBING CONTRACT. ALL CONCRETE FLOOR AND WALL

FIELD VERIFY THE CURRENT CONDITION OF ALL EXISTING SEWER LINES PRIOR TO CONNECTION.
THIS SHALL BE COMPLETED BY MEANS OF <u>CAMERA AND SCOPE</u>, WASTE PIPING SHALL BE DEEMED
IN GOOD WORKING CONDITION AND USABLE FOR CONNECTION OF NEW WASTE PIPING PRIOR TO
MAKING ANY FINAL CONNECTIONS.

- 1. OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS.
- 2. DO NOT SCALE DRAWING. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT. DRAWINGS ARE DIAGRAMMATIC. ALL INSTALLED PIPING SHALL BE COORDINATED WITH EXISTING STRUCTURE AND OTHER TRADES.
- 3. FIELD VERIFY THE LOCATION OF EXISTING WASTE AND WATER PIPING SIZES AND LOCATIONS FEEDING THIS BUILDING PRIOR TO STARTING ROUTING OF NEW PIPING.
- 4. ALL WATER AND VENT PIPING SHALL BE INSTALLED ABOVE CEILING OR IN CHASE WALLS U.N.O.
- 5. ALL WASTE PIPING SHALL BE INSTALLED BELOW SLAB, IN CRAWLSPACE, OR ABOVE CEILING AS NOTED ON PLANS. VERIFY BAR JOIST/EXISTING BEAMS LOCATIONS PRIOR TO FLOOR CUTTING.
- 6. SET FLOOR DRAINS WITH LIP SET $\frac{1}{4}$ " BELOW FINISHED FLOOR ELEVATION.
- 7. PROVIDE ALL OFFSETS IN PIPING AS REQUIRED TO AVOID STRUCTURE AND MECHANICAL EQUIPMENT ABOVE CEILING.
- 8. ALL PLUMBING PIPING SHALL REMAIN CAPPED DURING ROUGH-IN INSTALLATIONS.
- 9. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, LOCAL CODES, PLANS, AND THE PROJECT SPECIFICATIONS. THIS WORK SHALL INCLUDE CLEANOUTS, AND VACUUM BREAKERS REQUIRED FOR A COMPLETE OPERATIONAL PLUMBING SYSTEM.
- 10. ALL PIPING PENETRATIONS THROUGH FIRE RATED FLOORS OR PARTITIONS/WALLS SHALL BE SEALED IN ACCORDANCE WITH THE PROPER UL LISTED SYSTEMS. ALL PENETRATIONS SHALL BE SEALED ABOVE AND BELOW FLOOR SLABS. ALL PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED TO PREVENT SOUND TRANSFER.
- 11. THE LOCATION OF BALL VALVES SHALL BE COORDINATED WITH OTHER TRADES. VALVES SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION WITHIN CRAWLSPACE OR 24" ABOVE CEILING.
- 13. ALL ABOVE CEILING PLUMBING PIPING SHALL BE INSTALLED TIGHT TO STRUCTURE WHERE POSSIBLE. ALL NECESSARY CHANGES IN ELEVATIONS OF PIPING NOT SHOWN SHALL BE PROVIDED AS PART OF THIS CONTRACT

12. SEE RISER DIAGRAMS FOR ADDITIONAL INFORMATION NOT SHOWN ON FLOOR

- DUE TO FIELD COORDINATION. 14. <u>ALL SEWER VENTS SHALL BE COORDINATED WITH EXISTING ROOF PENETRATIONS.</u> CONNECT AND ROUTE TO EXISTING ROOF PENETRATIONS.
- 15. ALL PLUMBING WATER PIPING INSTALLED IN OR PENETRATING BLOCK WALLS SHALL BE INSULATED WITH MINIMUM 1/2" ARMACELL ELASTOMERIC THERMAL TYPE INSULATION. NO POLYOLEFIN/POLYETHYLENE THERMAL INSULATION WILL BE ALLOWED.
- 16. IN THE EVENT THE CONTRACTOR CHOOSES TO USE PRODUCTS OTHER THAN THE BASIS OF DESIGN. HE ASSUMES FULL RESPONSIBILITY FOR COORDINATION AND INTEGRATION OF SUCH ITEMS. THE FUNCTIONAL DESIGN INTEGRITY OF ALL SYSTEMS AND COMPONENTS SHALL BE MAINTAINED. VOLTAGES, LOADS, WIRE SIZES AND QUANTITIES, DISCONNECT SWITCHES AND FUSE SIZES, PHYSICAL SIZE, LOCATIONS, CLEARANCES, ETC. SHALL BE FULLY COORDINATED BY THE CONTRACTOR AND SHALL BE HIS RESPONSIBILITY. ANY ADDITIONAL COST RESULTING FROM SAID

SUBSTITUTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PLU	PLUMBING SYMBOLS LEGEND			
W	WASTE			
V	VENT			
VTR	VENT THRU ROOF			
CW	COLD WATER			
HW	HOT WATER			
HWR	HOT WATER RECIRCULATING			
SD	STORM DRAIN			
CLG	CEILING			
DN	DOWN FINISHED FLOOR			
AFF	ABOVE FINISHED FLOOR			
AFG	ABOVE FINISHED GRADE			
BFF	BELOW FINISHED FLOOR			
U.N.O.	UNLESS NOTED OTHERWISE			
<u>P-#</u>	PLUMBING FIXTURE			
	SANITARY SEWER PIPING			
	VENT PIPING			
	COLD WATER PIPING			
	HOT WATER PIPING			
	HOT WATER RECIRCULATING PIPING			
	STORM/RAIN LEADER PIPING			
	EXISTING SANITARY SEWER PIPING			
	EXISTING VENT PIPING			
	EXISTING STORM SEWER PIPING			
	EXISTING COLD WATER PIPING			
	EXISTING HOT WATER PIPING			
A	CONNECT TO EXISTING			
P	TERMINATION POINT OF DEMOLITION			
<u> </u>	EXISTING TO BE REMOVED			
FD−# 🔘 = —	FLOOR DRAIN			
→ HB	HOSE BIBB			
co	CLEAN OUT — FINISHED FLOOR			
	CLEAN OUT — END OF LINE, STACK OR WALL SHOCK ARRESTOR			
SA-#⊗ 				
<u> </u>	PIPE RISER UP			
G 	PIPE RISER DOWN			
	PIPE CAP			
——I 	UNION			
──	SERVICE (BALL) VALVE			
	BALANCING VALVE (CIRCUIT SETTER) W/ CHECK VALVE			
	CHECK VALVE			
	PRESSURE REDUCING VALVE			
	DIRECTION OF FLOW			
	DIRECTION OF SLOPE			
—————————————————————————————————————	TEE OFF TOP			
 -	TEE OFF BOTTOM			
	CONCENTRIC REDUCER			
>	BALL VALVE			
——————————————————————————————————————	BUTTERFLY VALVE			
	STRAINER WITH BLOW DOWN			
- Xx	ONUMER WITT DEON DOWN			
¥	PRESSURE GUAGE WITH SHUT-OFF COCK			
	UNION			

PROJECT PHASING:

1. SEE ARCHITECTURAL SHEET A006 & P201 FOR ADDITIONAL PROJECT PHASING NOTES.

PHASE 1:

- 1. REPLACE ALL WASTE AND WATER PIPING IN CRAWLSPACE.
- 2. REPLACE ALL TOILET FIXTURES.
- 3. RELOCATE EXIST. WATER HEATERS. 4. SEE FLOOR PLANS FOR ADDITIONAL PHASING INFORMATION.

PHASE 2:

1. UPFIT FACULTY AND GRAD STUDENT APARTMENTS AS SHOWN IN HATCHED AREA. 2. SEE FLOOR PLANS FOR ADDITIONAL PHASING INFORMATION.

PLUMBING SHEET INDEX				
P001	PLUMBING LEGENDS, NOTES AND SCHEDULES			
P101	PLUMBING DEMOLITION PLAN - LEVEL 1 & 2			
P102	PLUMBING DEMOLITION PLAN - LEVEL 3 & ATTIC			
P201	PLUMBING RENOVATION PLAN - LEVEL 1 - WASTE, VENT & WATER			
P202	PLUMBING RENOVATION PLAN — LEVEL 2, 3 & ATTIC			
P301	PLUMBING ENLARGED PLANS			
P302	PLUMBING ENLARGED PLANS			
P401	PLUMBING WASTE & VENT RISER DIAGRAM			
P500	PLUMBING DETAILS SHEET			
P501	PLUMBING DETAILS SHEET			
P502	PLUMBING DETAILS SHEET			

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Revisions

No. Date Description

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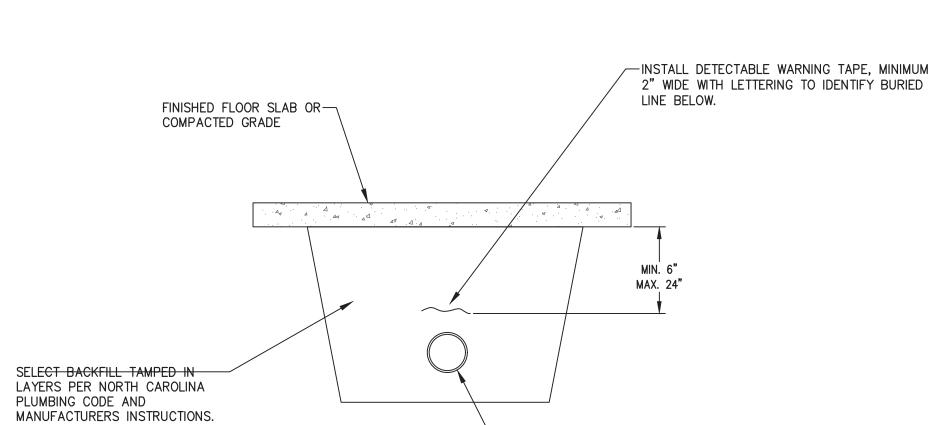
12/09/2022

Sheet Title Plumbing Legends, Notes & Schedules

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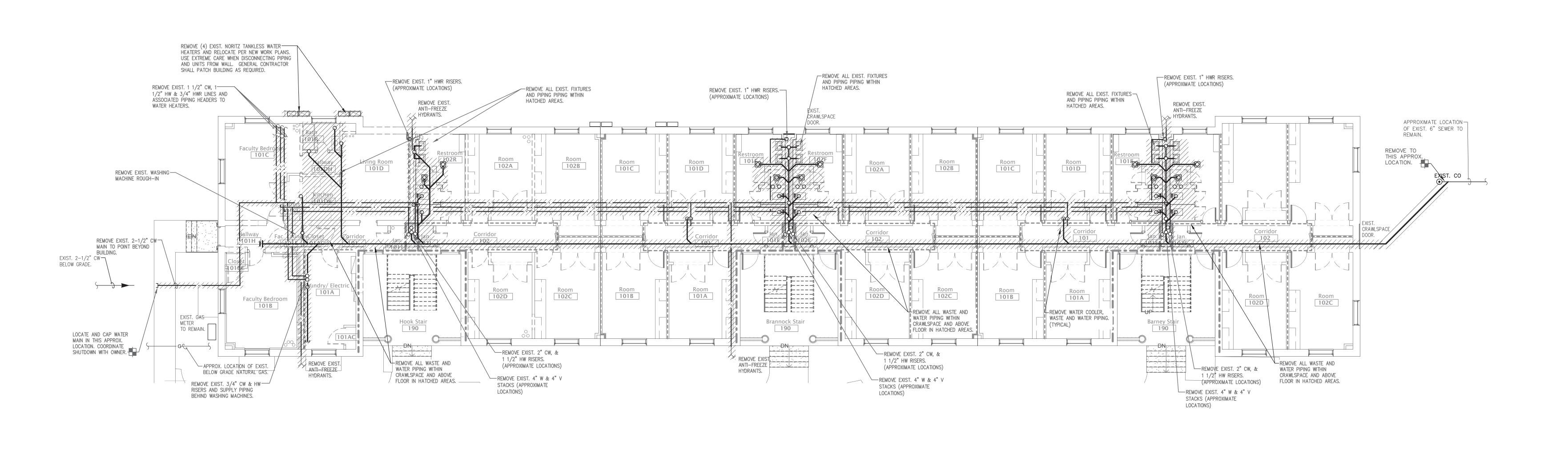
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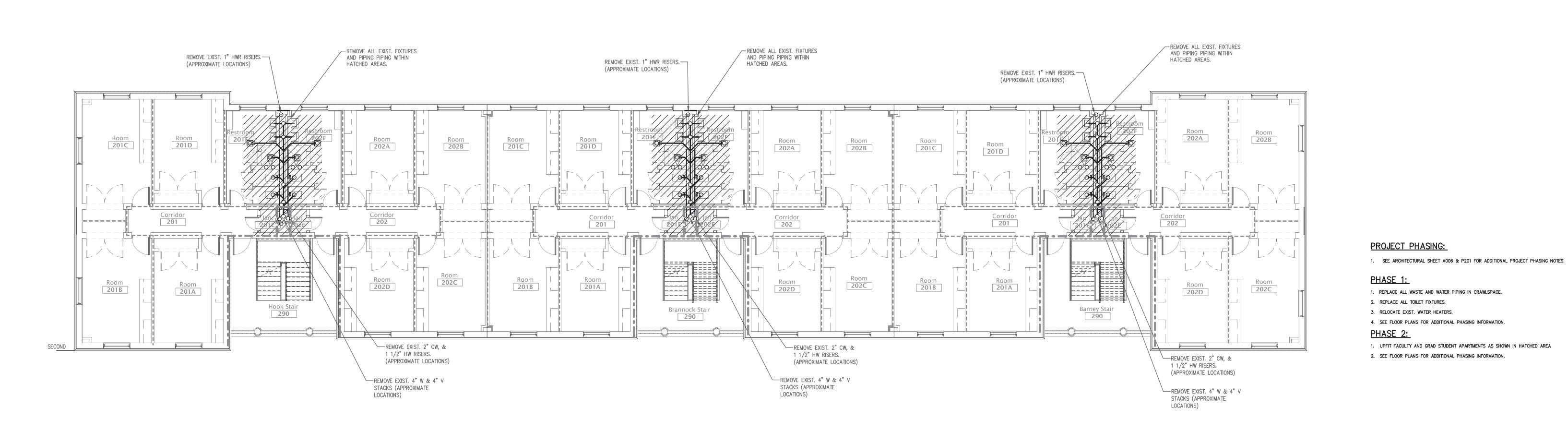
NOTES: TRACER WIRE SHALL BE INSTALLED OVER PIPING THROUGHOUT BUILDING AND TERMINATE AT THE EXTERIOR CLEANOUT. INSTALL PER NCPC SECTION 306.2.4.

Buried Plumbing Pipe Identification



Plumbing Demolition Plan - Level 1

Plumbing Demolition Plan - Level 1



Plumbing Demolition Plan - Level 2
Plot | SCALE: 1/8" = 1'-0"

RATED WALL LEGEND 1 HOUR—RATED FIRE BARRIER 1 HOUR-RATED FIRE PARTITIONS

Plumbing **Demolition Plans**

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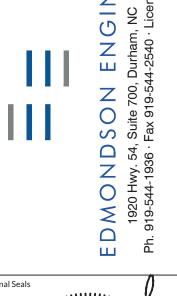
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REMOVE EXIST. 1" HWR RISERS. REMOVE ALL EXIST. FIXTURES
(APPROXIMATE LOCATIONS) AND PIPING PIPING WITHIN

HATCHED AREAS.

RATED WALL LEGEND

1 HOUR-RATED FIRE BARRIER

- 1 HOUR-RATED FIRE PARTITIONS

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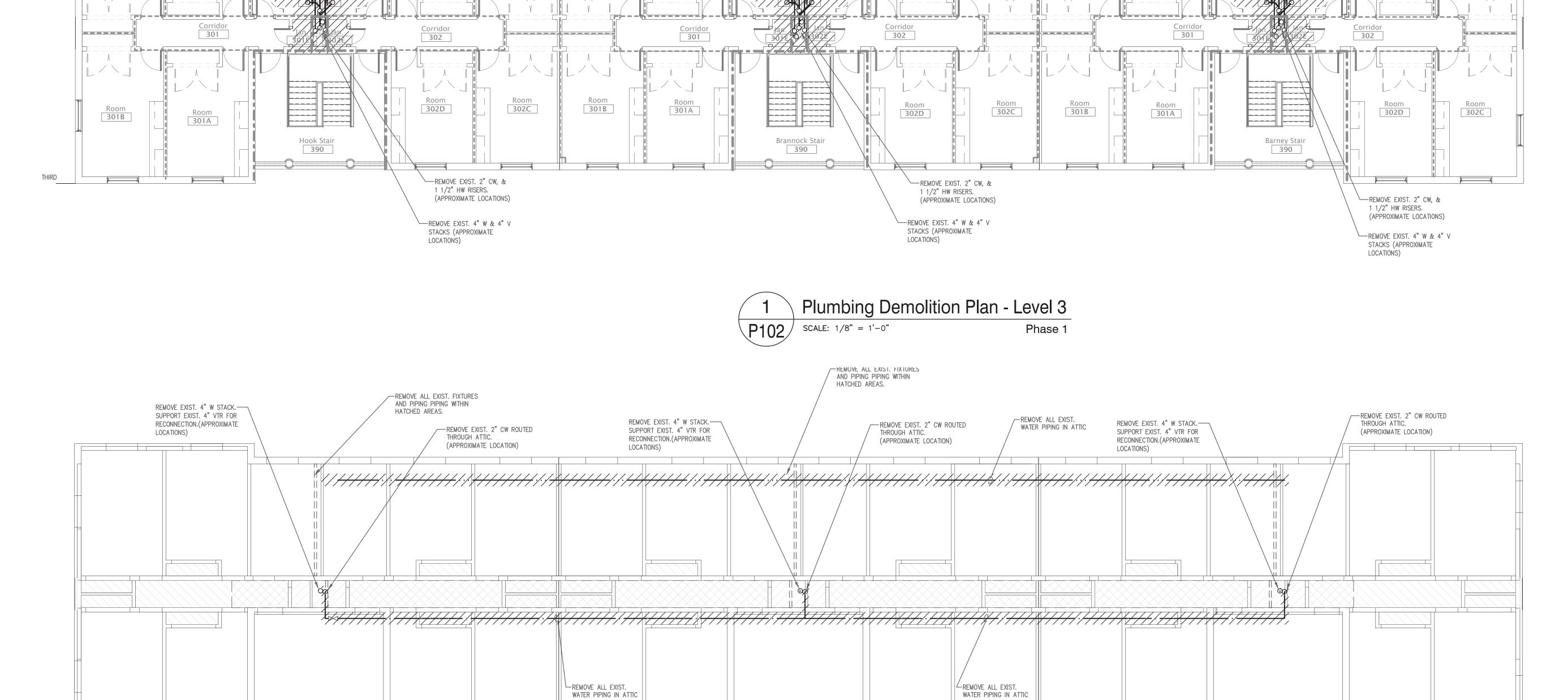
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REMOVE EXIST. 1" HWR RISERS.

(APPROXIMATE LOCATIONS)

REMOVE EXIST. 1" HWR RISERS. REMOVE ALL EXIST. FIXTURES (APPROXIMATE LOCATIONS)

AND PIPING PIPING WITHIN

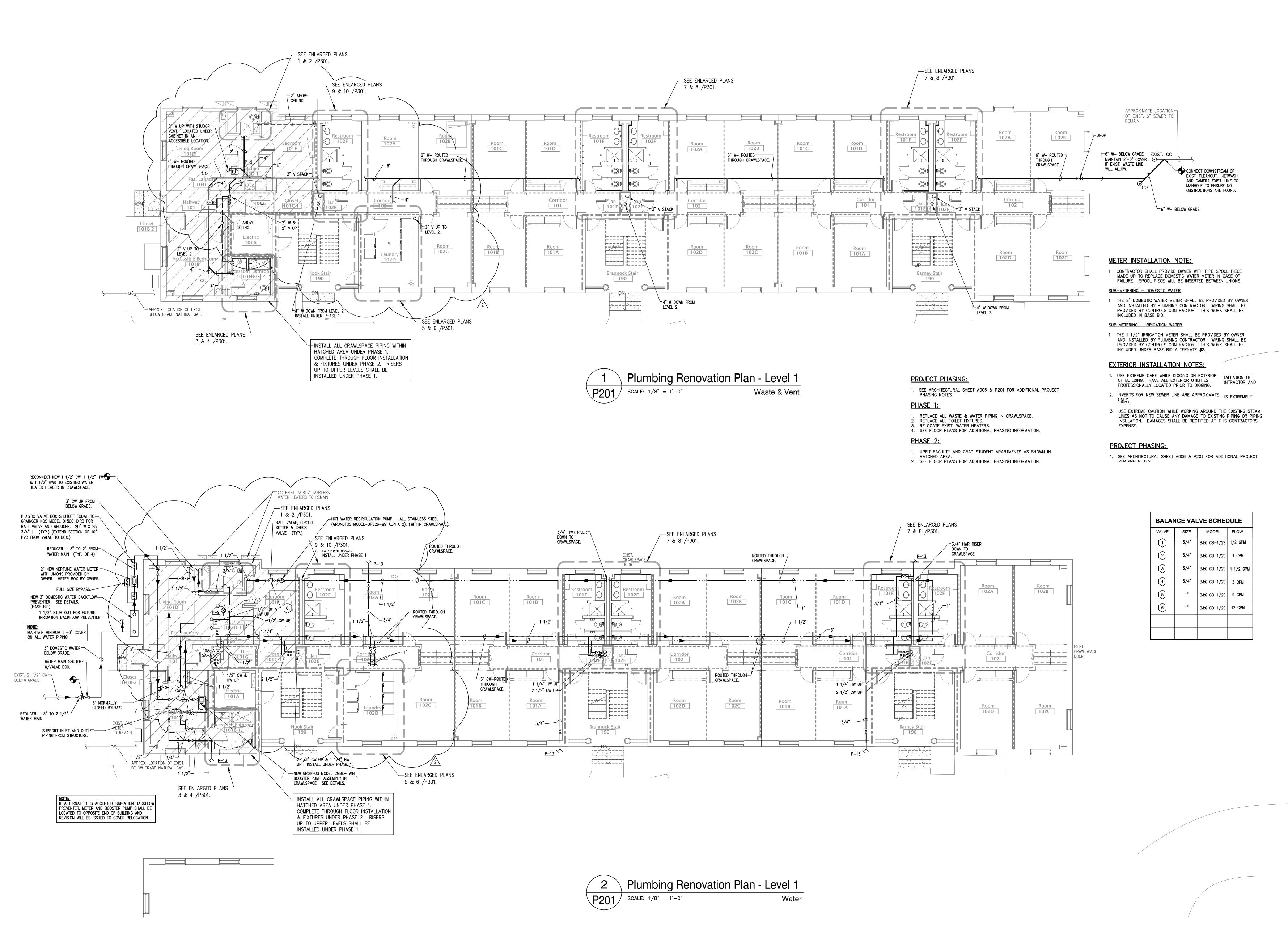
HATCHED AREAS.

\ (APPROXIMATE LOCATIONS) /

ATTIC

REMOVE ALL EXIST. FIXTURES AND PIPING PIPING WITHIN

HATCHED AREAS.



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1/13/2023 ADDENDUM #6, ALT 1

2 4/14/2023 DH Bulletin #1

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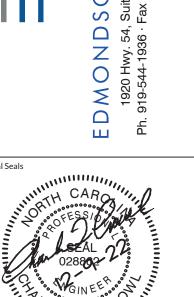
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Sheet Title
Plumbing Renovation
Plans - Level 1

Sheet Number

RATED WALL LEGEND

1 HOUR-RATED FIRE BARRIER

1 HOUR-RATED FIRE PARTITIONS



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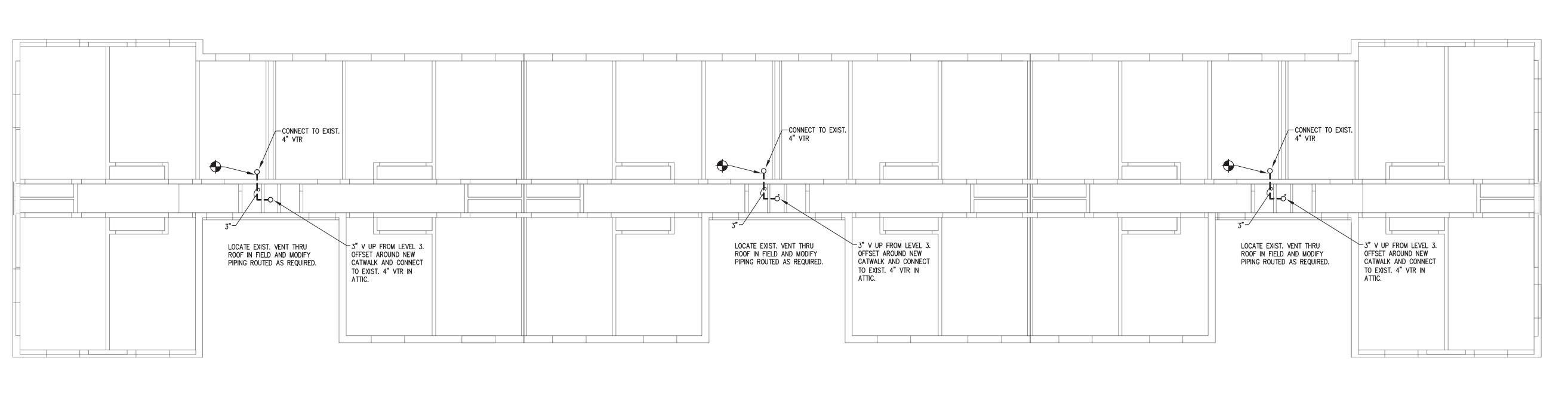
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Plumbing
Renovation Plans Levels 2, 3 & Attic
Sheet Number

RATED WALL LEGEND

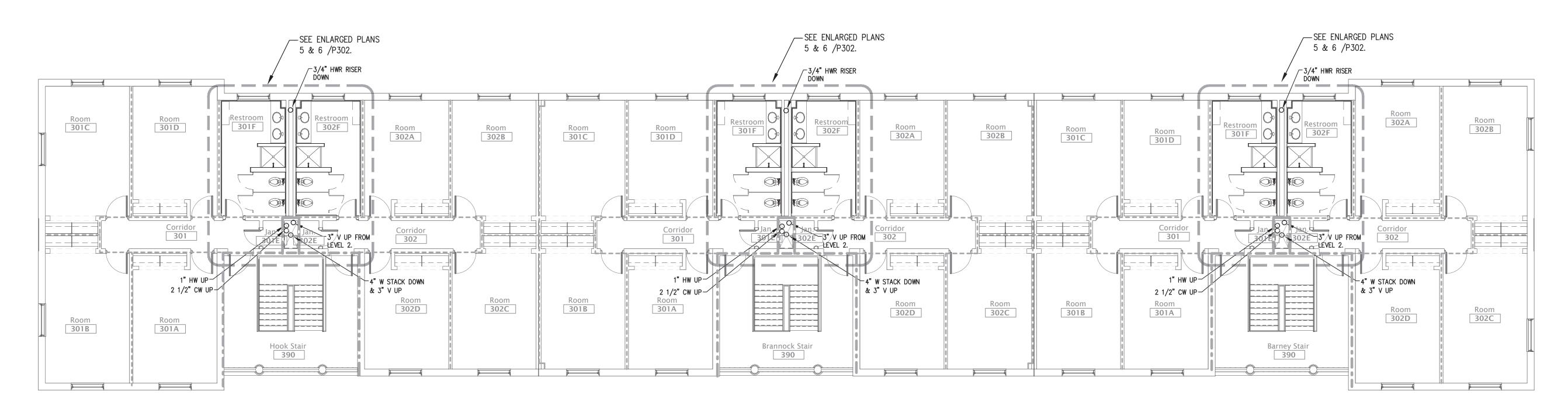
1 HOUR-RATED FIRE BARRIER

1 HOUR-RATED FIRE PARTITIONS

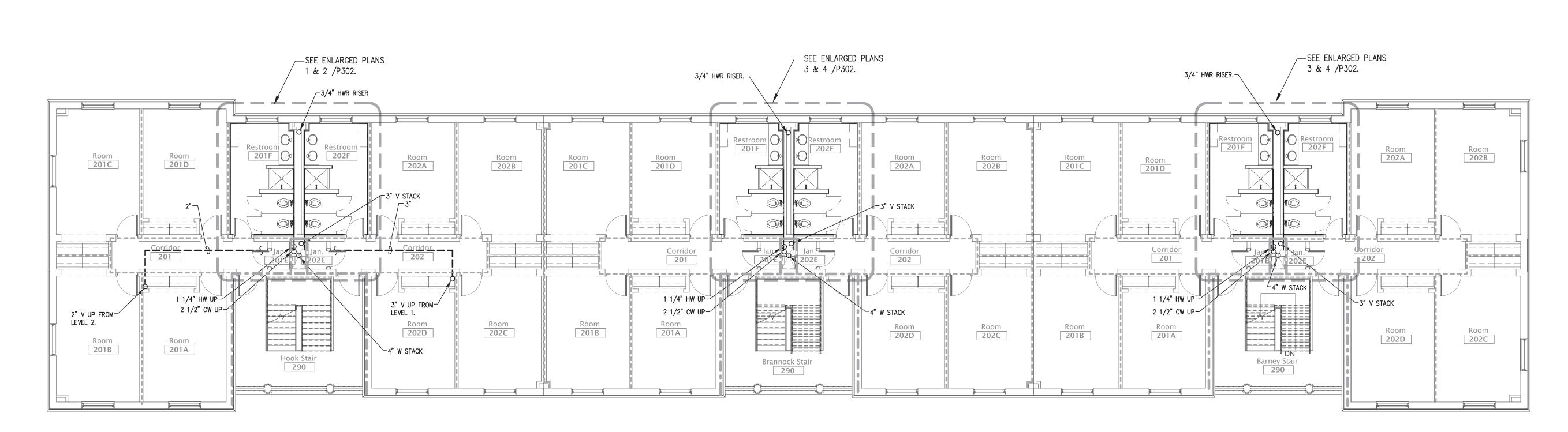
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P202





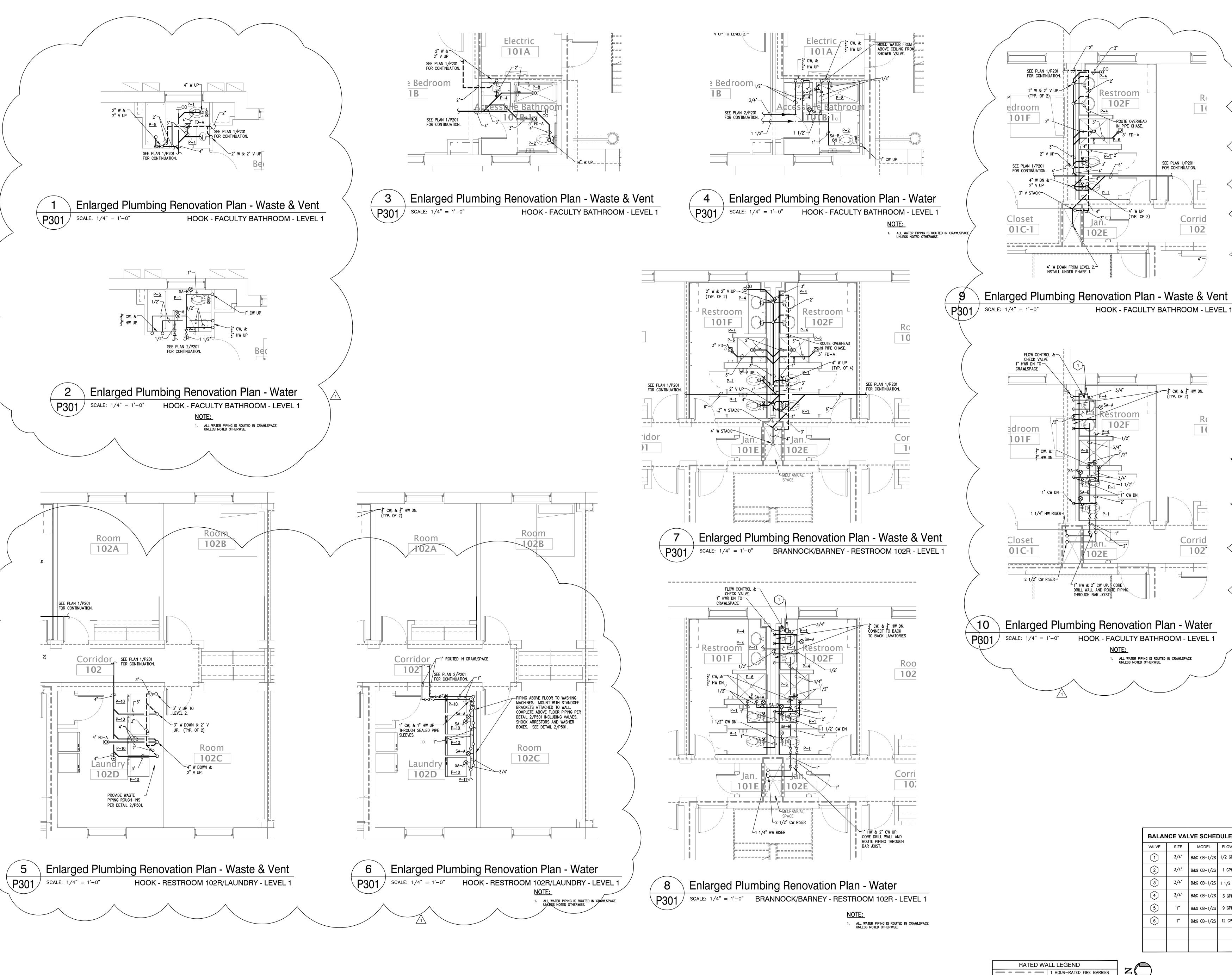






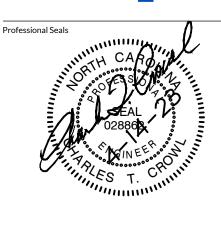


S\2022\22—009 ELON HBB RENOVATION\3.0 CAD\3.50 PLUMBING\P202.DWG PLO



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1 4/14/2023 DH Bulletin #1

BALANCE VALVE SCHEDULE							
VALVE	SIZE	MODEL	FLOW				
1	3/4"	B&G CB-1/2S	1/2 GPM				
2	3/4"	B&G CB-1/2S	1 GPM				
3	3/4"	B&G CB-1/2S	1 1/2 GPM				
4	3/4"	B&G CB-1/2S	3 GPM				
5	1"	B&G CB-1/2S	9 GPM				
6	1"	B&G CB-1/2S	12 GPM				

1 HOUR-RATED FIRE PARTITIONS

Sheet Number P301

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Project Number: 22-009

Enlarged Plumbing Renovation Plans

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Date:

Sheet Title

Level 1

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 BALANCE VALVE SCHEDULE

 VALVE
 SIZE
 MODEL
 FLOW

 3/4"
 B&G CB-1/2S
 1/2 GPM

 3/4"
 B&G CB-1/2S
 1 GPM

 3
 3/4"
 B&G CB-1/2S
 1 1/2 GPM

 4
 3/4"
 B&G CB-1/2S
 3 GPM

 5
 1"
 B&G CB-1/2S
 9 GPM

 6
 1"
 B&G CB-1/2S
 12 GPM

B&G CB-1/2S 1 GPM

B&G CB-1/2S 1 1/2 GPM

B&G CB-1/2S 1 1/2 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 1 1/2 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 3 GPM

B&G CB-1/2S 9 GPM

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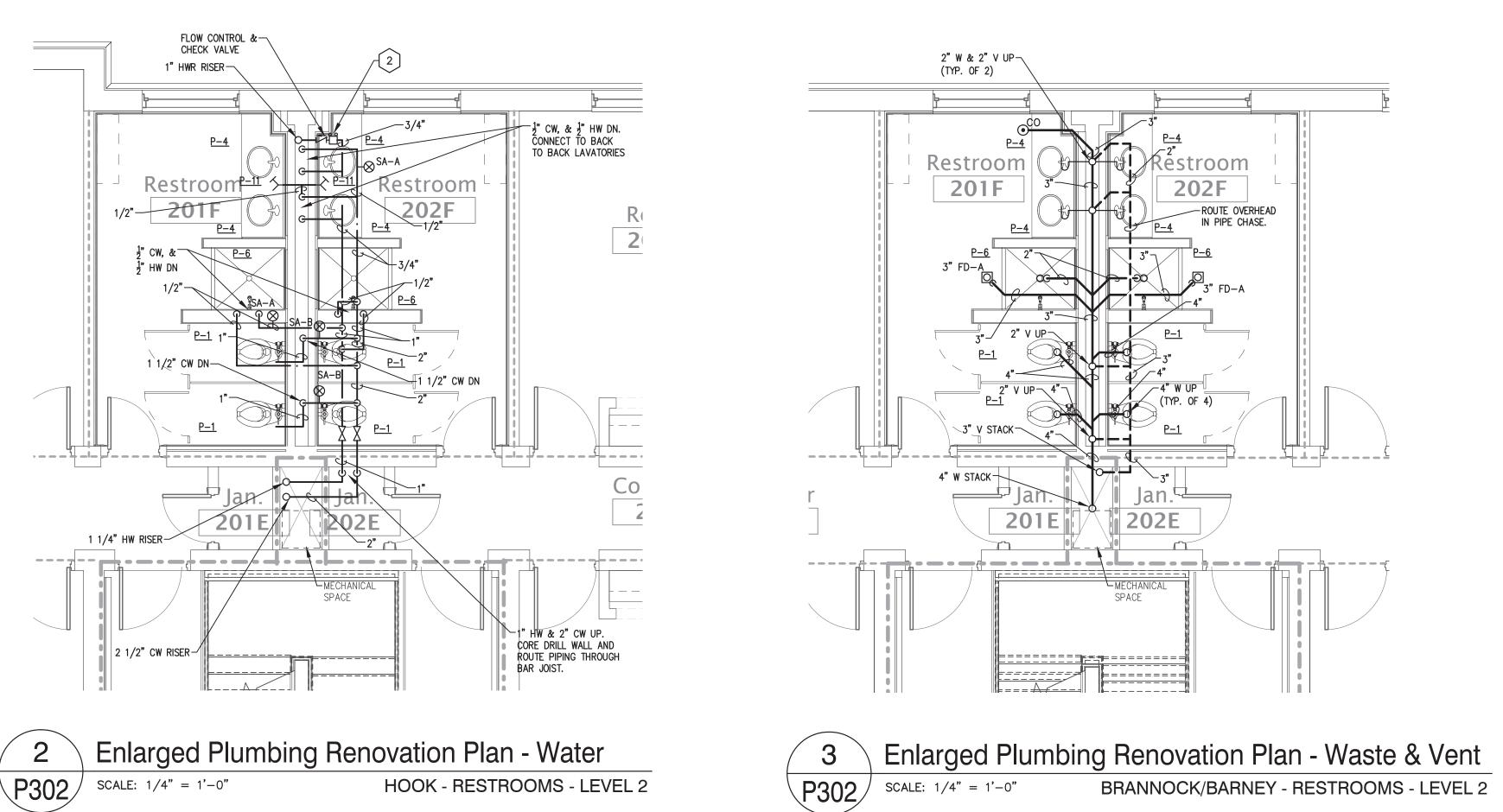
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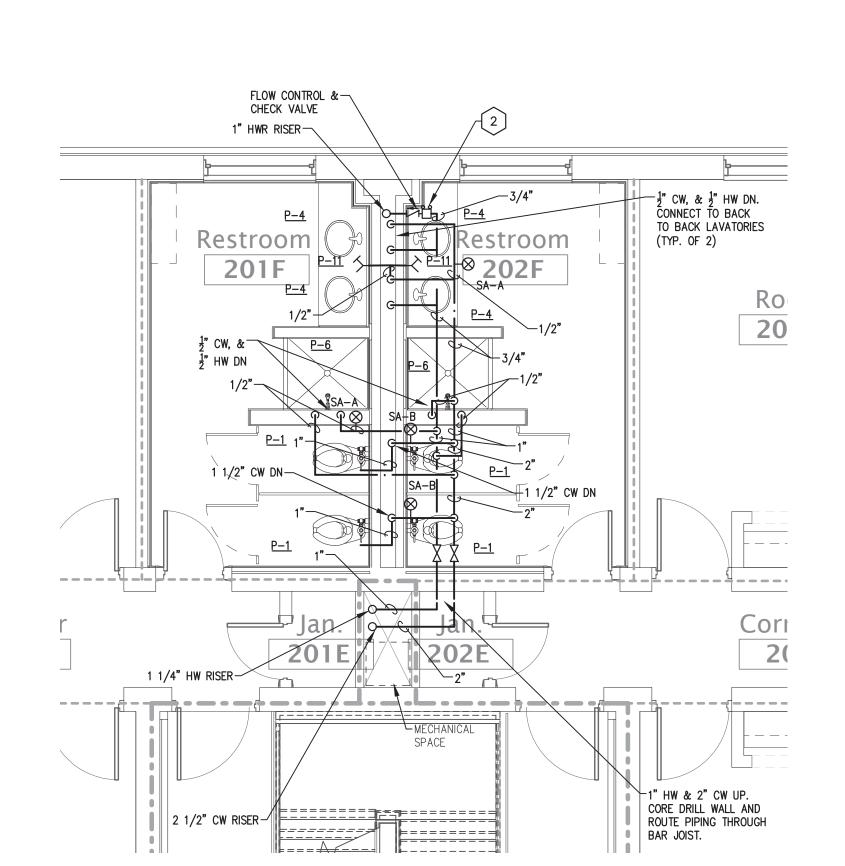
Sheet Title

Enlarged Plumbing
Renovation Plans Levels - 1 & 2

Sheet Number

P302





Enlarged Plumbing Renovation Plan - Waste & Vent

SEE PLAN 1/P202 FOR CONTINUATION.

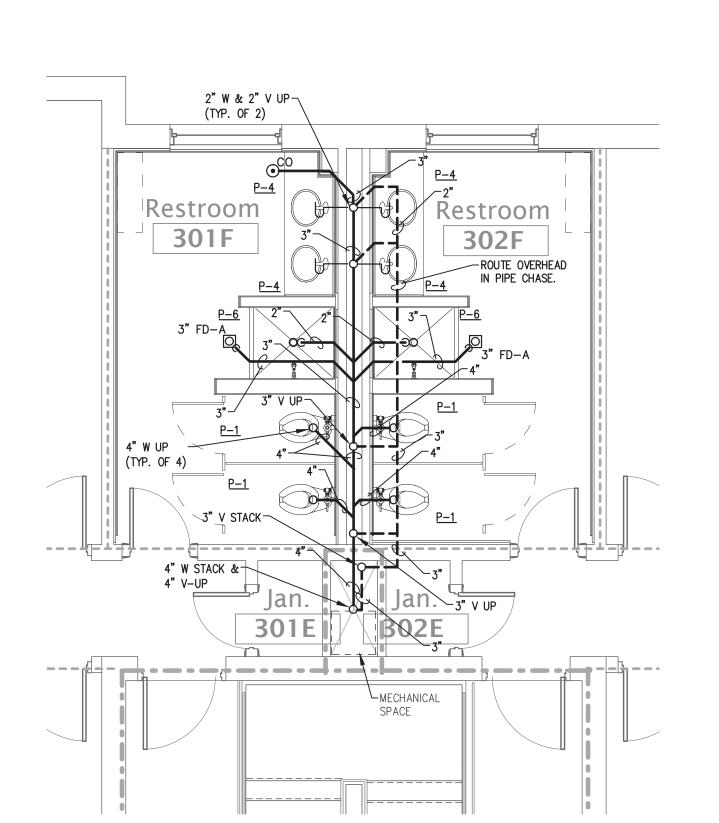
HOOK - RESTROOMS - LEVEL 2

2" W & 2" V UP \(TYP. OF 2)

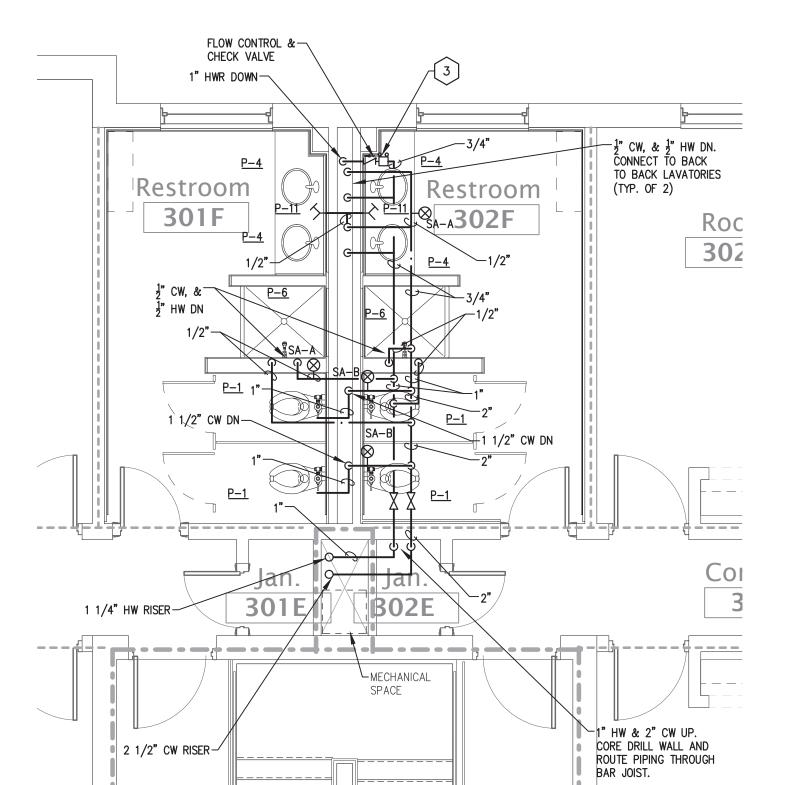
SEE PLAN 1/P202 FOR CONTINUATION. 2

P302 | SCALE: 1/4" = 1'-0"





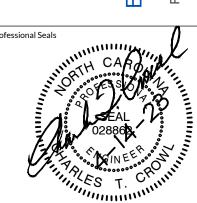
5 Enlarged Plumbing Renovation Plan - Waste & Vent
P302 SCALE: 1/4" = 1'-0" HOOK/BRANNOCK/BARNEY RESTROOMS - LEVEL 3



6 Enlarged Plumbing Renovation Plan - Water
P302 SCALE: 1/4" = 1'-0" HOOK/BRANNOCK/BARNEY RESTROOMS - LEVEL 3

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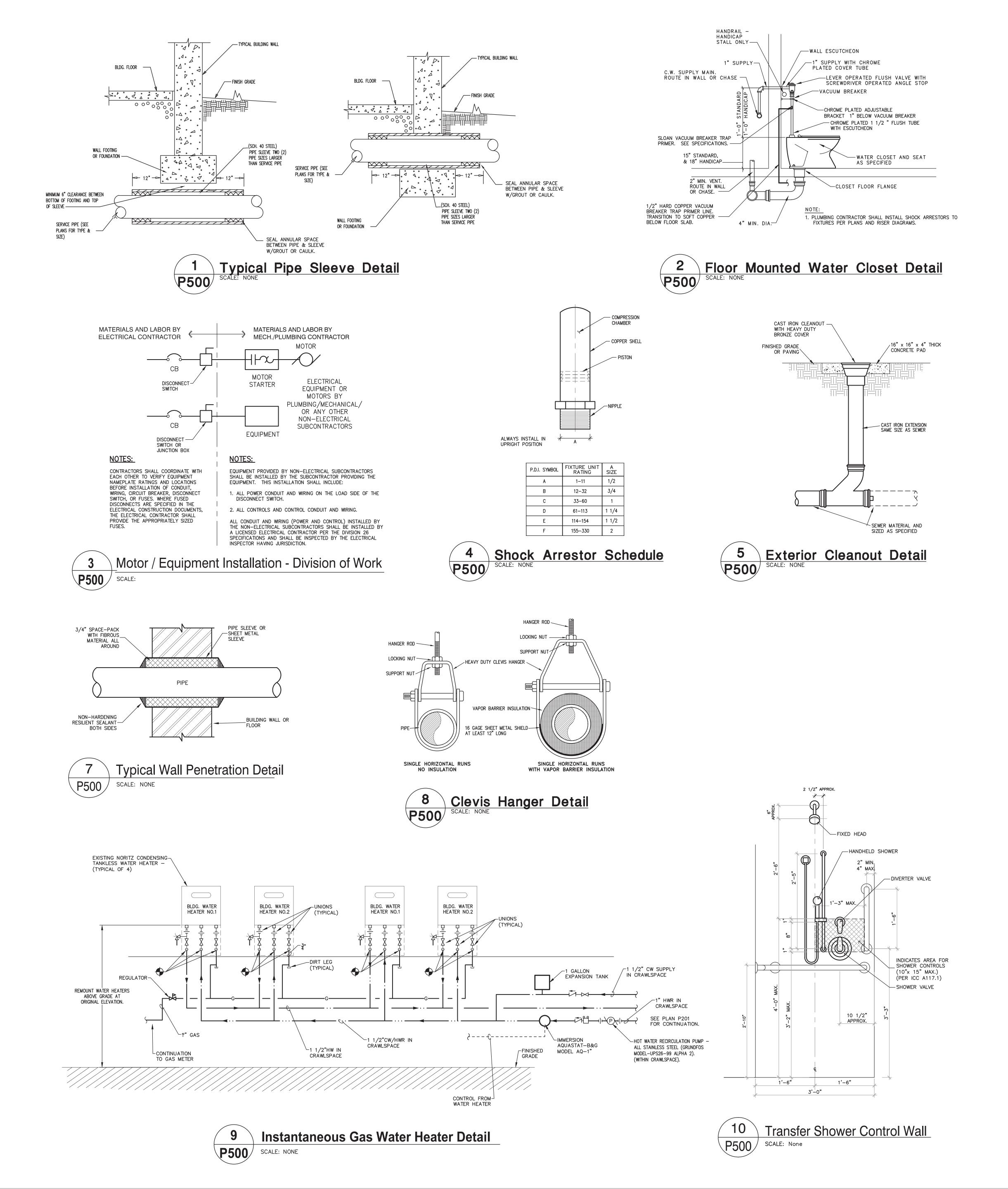
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Sheet Title

Plumbing - Waste & Vent - Riser Diagrams

Diagrams
Sheet Number
P401



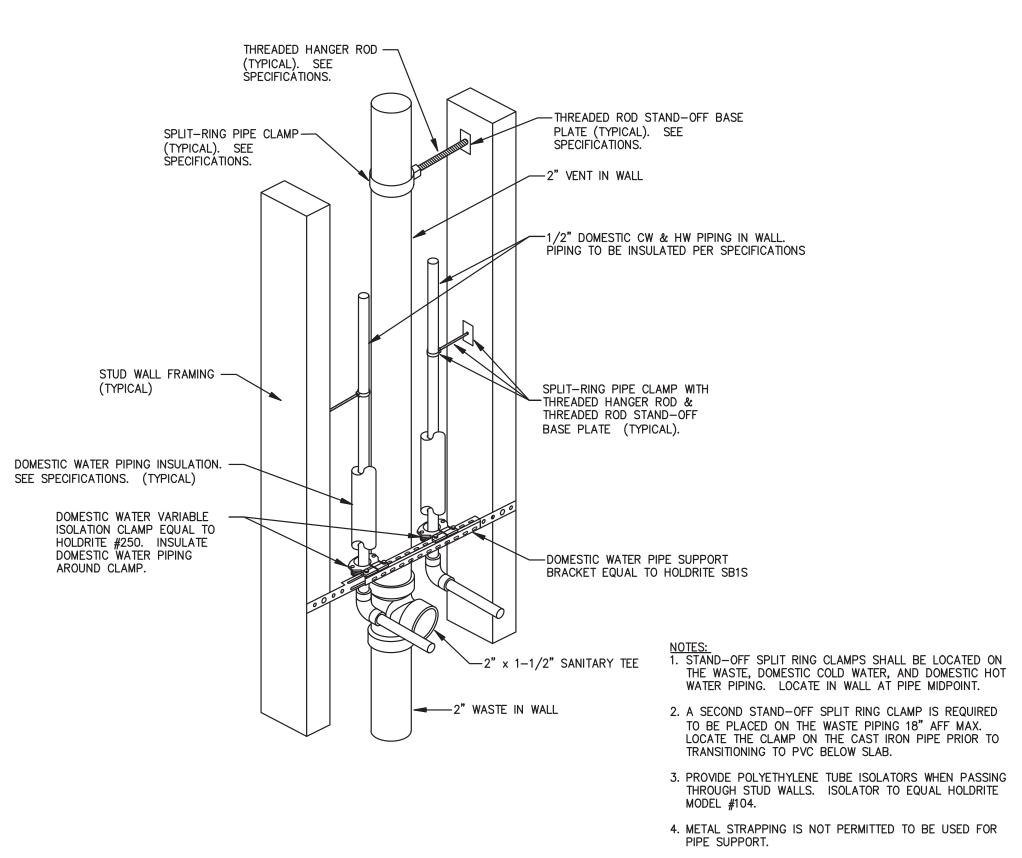
-DIAPHRAGM TANK (TYPICAL) -PRESSURE SENSOR (TYPICAL) __BALL_VALVE (TYPICAL OF 4) PRESSURE GAUGE — (TYPICAL) ____2" NPT OUTLET HEADER (TYPICAL) BASE PLATE — — 2" NPT INLET HEADER MIN. 24" x 24" X 4"-THICK REINFORCED CONCRETE PAD. -INSTALL DOUBLE DEFLECTION NEOPRENE MOUNTS BETWEEN BASE PLATE AND CONCRETE PAD. INSTALL MINIMUM (4) ISOLATION MOUNTS EQUAL TO MASON INDUSTRIES ND-A-RED DUROMETER 50 AT A RATED CAPACITY RANGE OF 60 TO 125 LBS. EACH. ANCHOR MOUNTS TO CONCRETE SLAB WITH MINIMUM RED HEAD WEDGE ANCHORS 1/4" X 2 1/8" WITH ULTIMATE TENSION LBS OF 2,260 EACH.

Duplex Booster Pump Assembly SCALE: NONE

AND EASY INSTALLATION PLUG AND PLAY CONTROL PANEL.

DUPLEX BOOSTER PUMP NOTES:

- 1. BOOSTER PUMP ASSEMBLY CONSIST OF COMPACT GRUNDFOS CMBE TWIN SYSTEM CONSISTING OF TWO CMBE 2 H.P. PUMP/MOTOR ASSEMBLIES MODEL NUMBER CMBE TWIN 10-54 I-U-C-B-D-H CONNECTED IN PARALLEL WITH AUTOMATIC MULTI PUMP OPERATION, CONSTANT PRESSURE CONTROL, COMPACT DESIGN
- 2. EACH CMBE PUMP INCLUDES A GRUNDFOS INTEGRATED VARIABLE FREQUENCY DRIVE (VFD). EACH CMBE PUMP IS DELIVERED COMPLETE WITH 5-WAY FITTINGS, NON RETURN VALVES, DIAPHRAGM TANK, PRESSURE
- SENSOR AND PRESSURE GAUGE 3. ASSEMBLY IS CONNECTED TO A COMMON BASE PLATE WITH 2" INLET/OUTLET PIPES WITH BALL VALVES
- 4. SYSTEM TO PROVIDE TOTAL RATED FLOW OF 108 GPM @ 36 PSI BOOST. 5. ELECTRICAL DATA SHALL CONSIST OF 208V SUPPLY VOLTAGE WITH MAXIMUM CURRENT OF 18.2 AMPS.



Supply Pipe Support At Fixture Connection

P4.2 | SCALE: NONE

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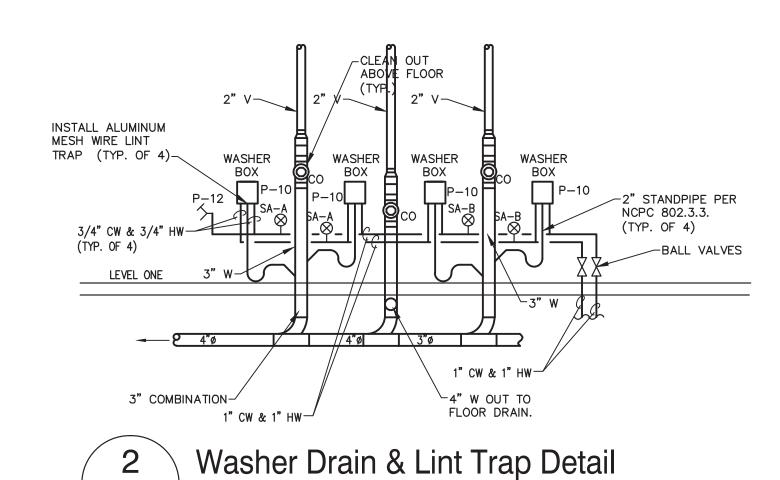
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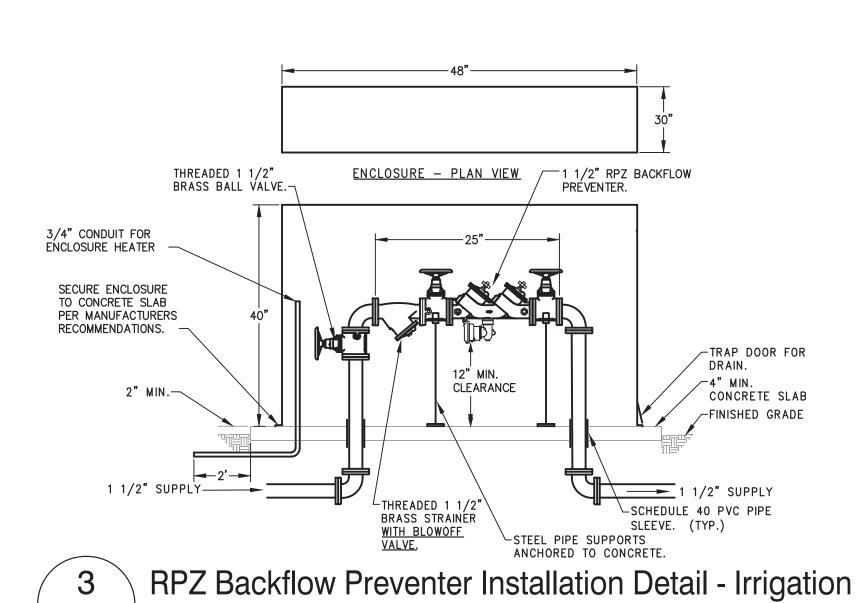
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P501 SCALE: NONE



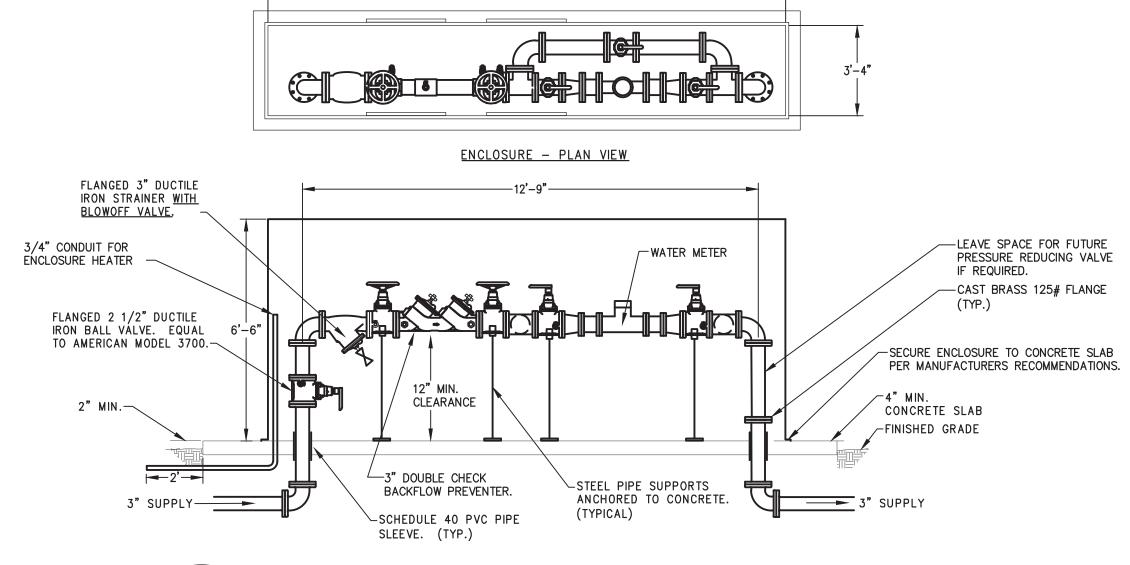
BACKFLOW PREVENTER NOTES:

P501 SCALE: NONE

INSTALL 1 1/2" WILKINS LEAD FREE MODEL 975XL2-S-AG RPZ BACKFLOW PREVENTER COMPLETE WITH 1 1/2" WYE STRAINER. PIPE AIR GAP TO ENCLOSURE OUTLET.

BID ALTERNATE #2

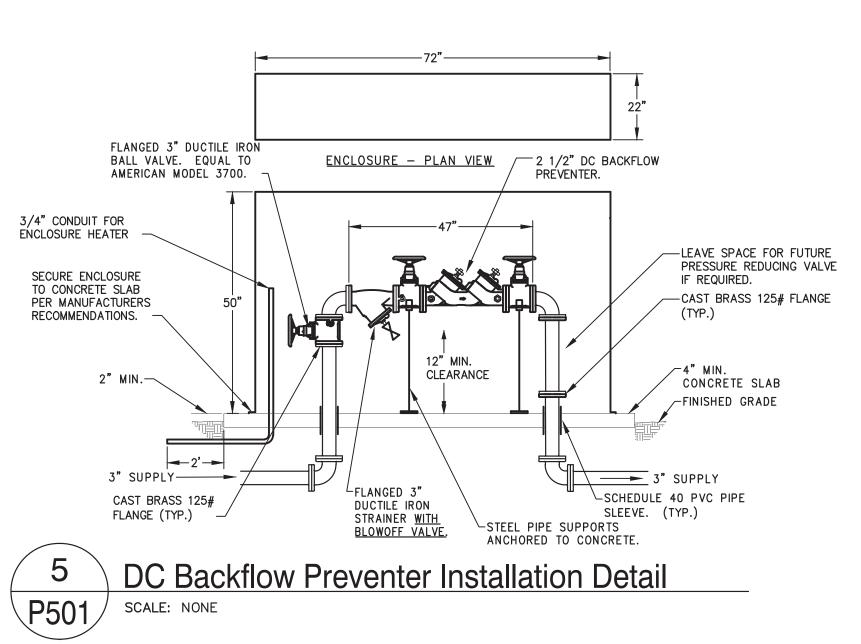
- 2. BACKFLOW PREVENTER SHALL BE (LEAD FREE) THREADED ASSEMBLY, BALL VALVES, AND FUNNEL DRAIN ASSEMBLY ROUTED TO
- 3. STRAINER AND PRV SHALL BE (LEAD FREE) THREADED ASSEMBLIES.
- 4. EQUAL PRODUCTS BY WATTS WILL BE CONSIDERED THAT MEET SIZE REQUIREMENTS AND TOWN OF ELON CROSS CONNECTION CONTROL STANDARDS.
- 5. ENCLOSURE SHALL BE EQUAL TO SAFE-T-COVER BOX MODEL 200D-AL WITH HEATER EQUAL TO CHROMALOX CPHH-50011 UTILITY HEATER @ 120V, 500 WATTS, AND 4.2 AMPS. ENCLOSURE SHALL BE REINFORCED ALUMINUM COVER WITH NON-WICKING INSULATION LAMINATED TO ALUMINUM FRAME, HINGED DRAIN FLAP WITH VERMIN SCREEN, STAINLESS STEEL MOUNTING HARDWARE AND 2 LOCKABLE ACCESS PANELS. SECURE ENCLOSURE TO CONCRETE SLAB PER MANUFACTURERS RECOMMENDATIONS WITH SUITABLE ANCHORS. ENCLOSURE SHALL BE FACTORY PAINTED IN PAC-CLAD AGED BRONZE COLOR.
- 6. ALL PIPE GASKET MATERIAL SHALL BE SUITABLE FOR DOMESTIC WATER.
- 7. ALL DUCTILE IRON VALVES AND STRAINER SHALL HAVE FDA APPROVED EPOXY FINISH SUITABLE FOR DOMESTIC WATER.



Double Check Backflow Preventer Installation Detail P501 SCALE: NONE ALTERNATE #??

BACKFLOW PREVENTER NOTES:

- 1. INSTALL 3" WILKINS LEAD FREE MODEL 350AST-NRS-FSC DOUBLE CHECK BACKFLOW PREVENTER COMPLETE WITH 3" WYE STRAINER OR APPROVED EQUAL PRODUCTS.
- 2. BACKFLOW PREVENTER SHALL BE (LEAD FREE) FLANGED ASSEMBLY WITH NON-RISING STEM VALVES.
- 3. STRAINER SHALL BE (LEAD FREE) FLANGED ASSEMBLY.
- 4. EQUAL PRODUCTS BY WATTS WILL BE CONSIDERED THAT MEET SIZE REQUIREMENTS AND
- TOWN OF ELON CROSS CONNECTION CONTROL STANDARDS. 5. ENCLOSURE SHALL BE EQUAL TO SAFE-T-COVER SERIES 1000 PANEL DESIGN MODEL 1000S-AL WITH (2) HEATERS EQUAL TO HCHS500-120 SLAB MOUNTED HEATER @ 120V, 500 WATTS, AND 4.2 AMPS EACH. ENCLOSURE SHALL BE REINFORCED ALUMINUM COVER WITH NON-WICKING INSULATION LAMINATED TO ALUMINUM FRAME, STAINLESS STEEL MOUNTING HARDWARE AND 4 LOCKABLE ACCESS PANELS. SECURE ENCLOSURE TO CONCRETE SLAB PER MANUFACTURERS RECOMMENDATIONS WITH SUITABLE ANCHORS.
- ENCLOSURE SHALL BE FACTORY PAINTED IN PAC-CLAD AGED BRONZE COLOR. 6. ALL PIPE GASKET MATERIAL SHALL BE SUITABLE FOR DOMESTIC WATER.
- 7. ALL DUCTILE IRON VALVES AND STRAINER SHALL HAVE FDA APPROVED EPOXY FINISH SUITABLE FOR DOMESTIC WATER.



BACKFLOW PREVENTER NOTES:

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- 6. ALL PIPE GASKET MATERIAL SHALL BE SUITABLE FOR DOMESTIC WATER.
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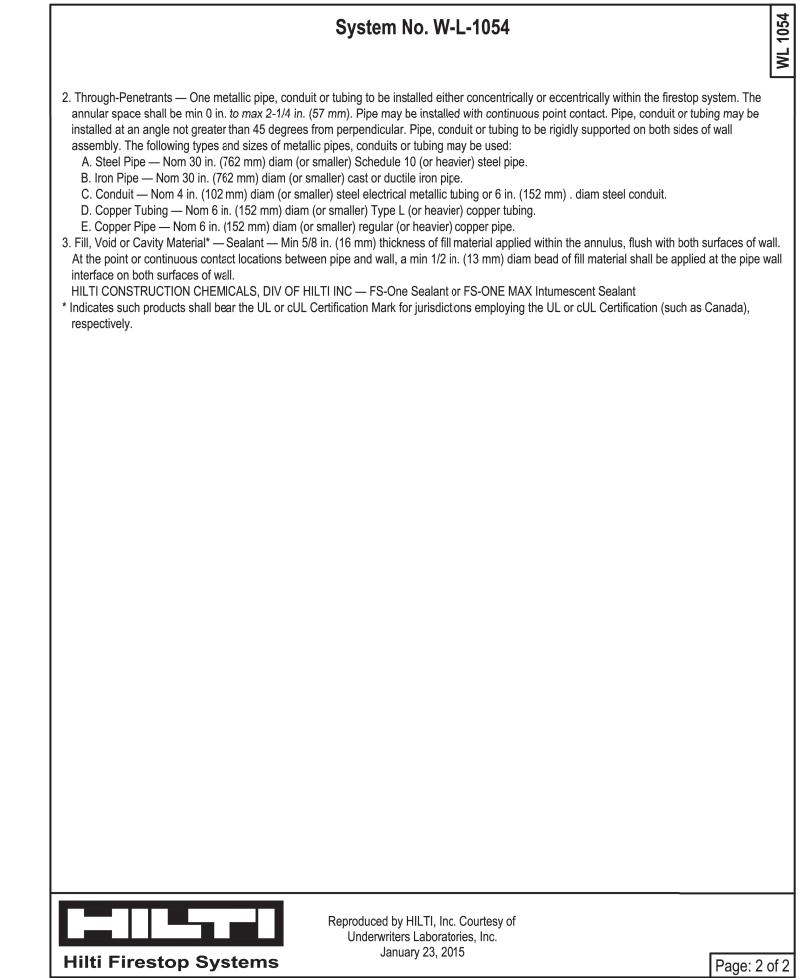
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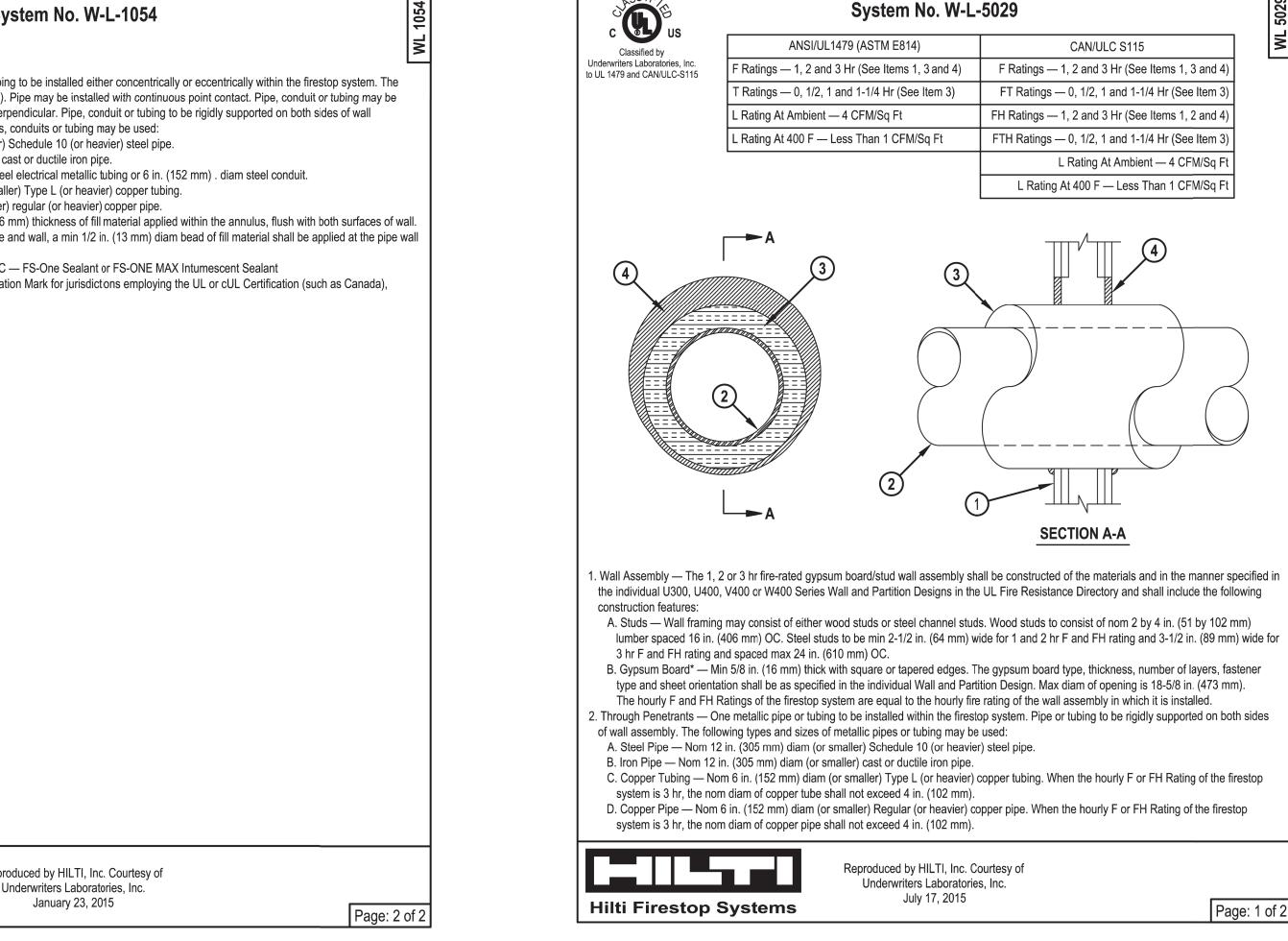
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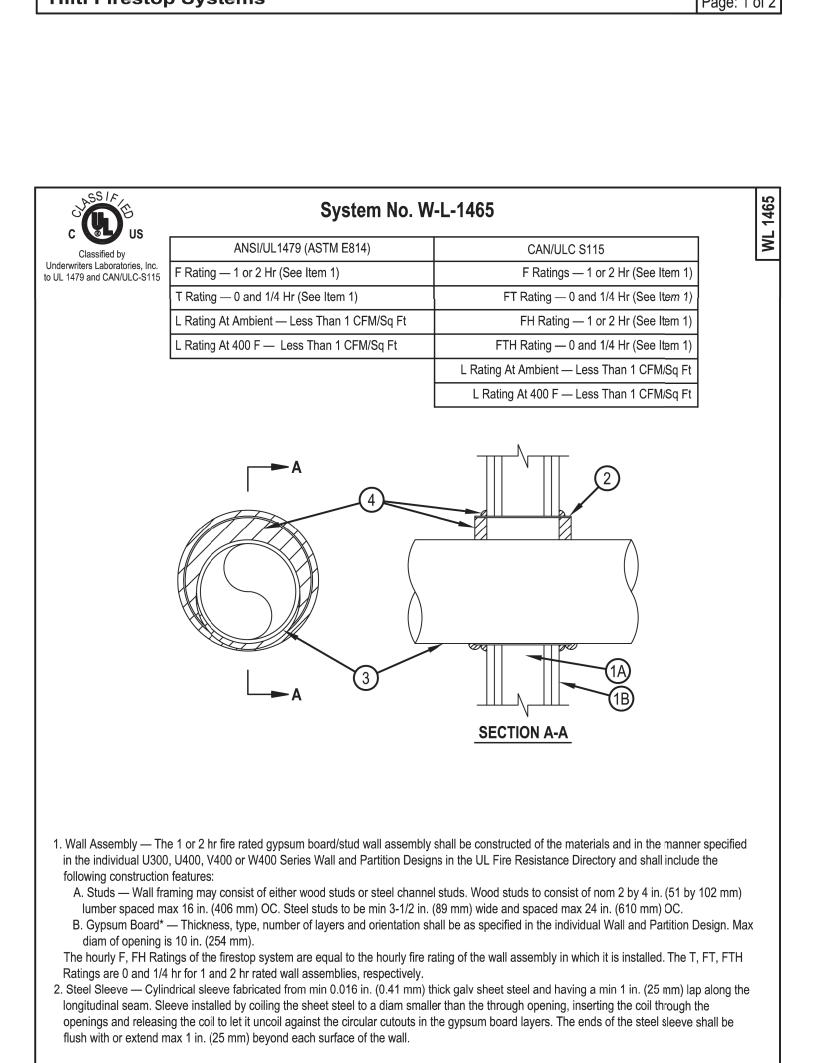
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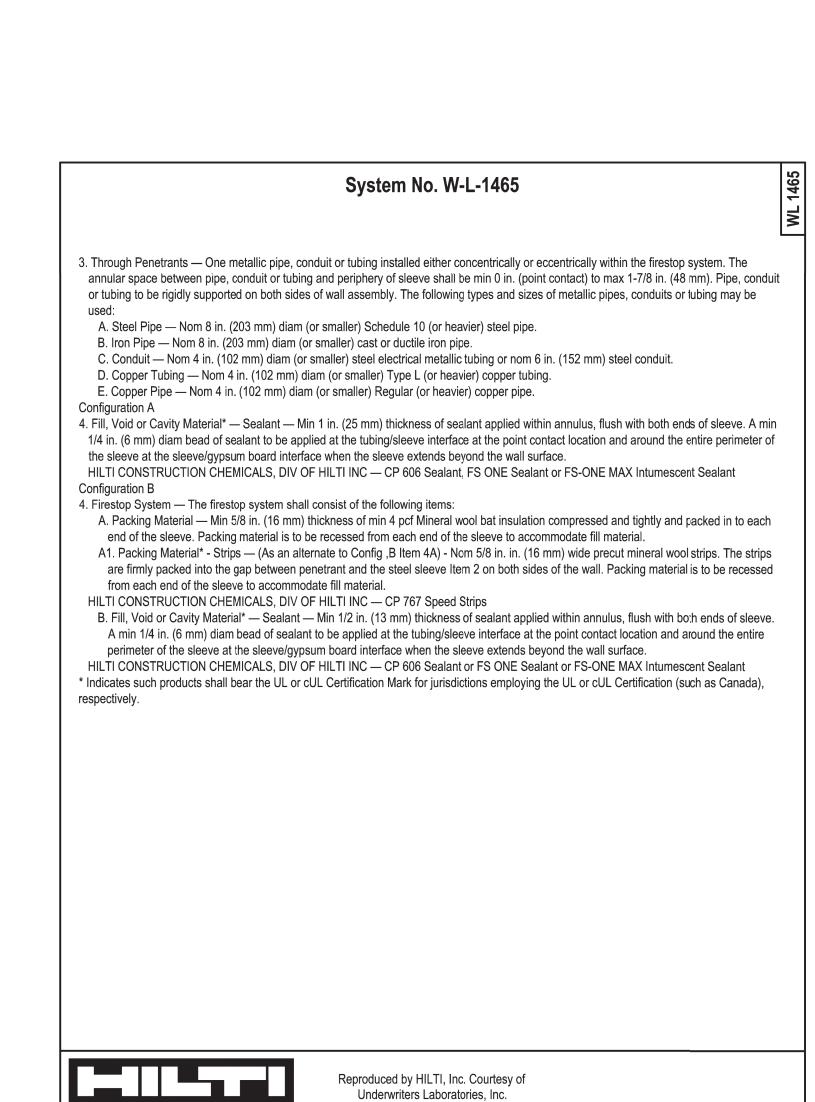
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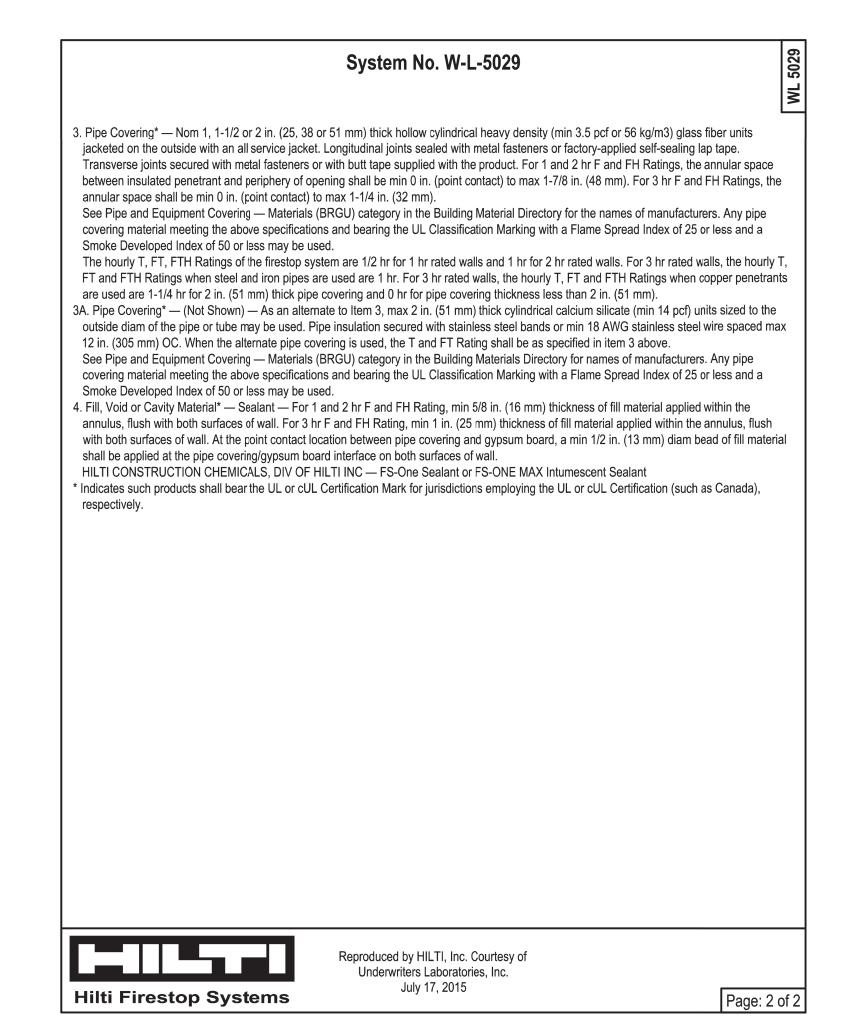
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Hilti Firestop Systems







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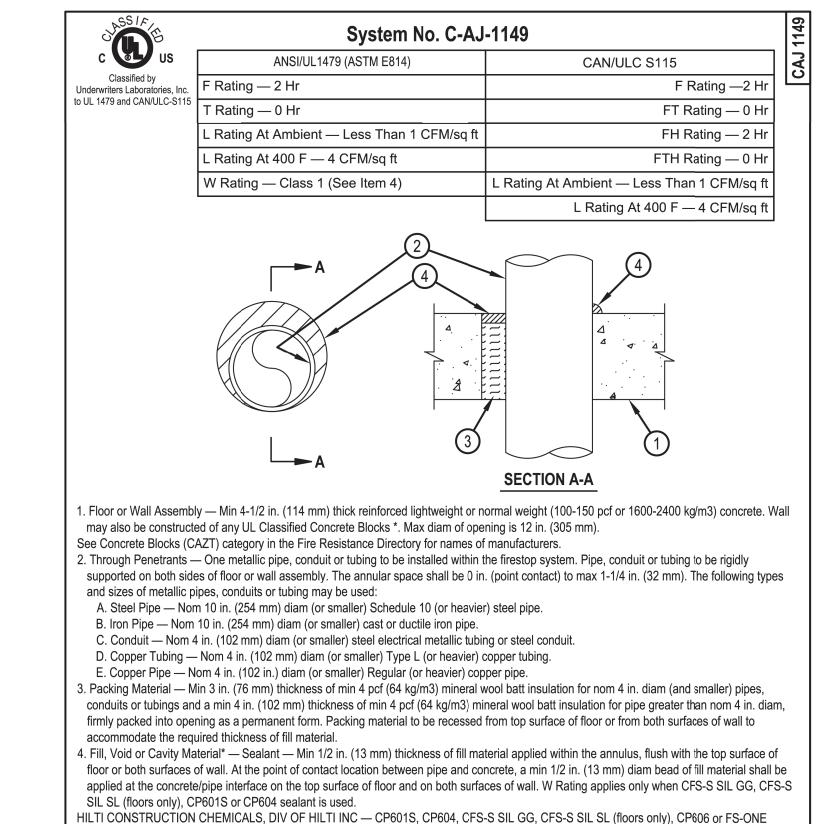
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Sealant or FS-ONE MAX Intumescent Sealant.

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