DOCUMENT 00 90 00 ADDENDUM

ADDENDUM NO. [5] Date: March 1, 2018

- RE: HO-CHUNK NATION INDEPENDENT LIVING FACILITY BRANCHED ANTLER AVE BLACK RIVER FALLS, WISCONSIN 54615 HSR PROJECT NO. 15027
- FROM: HSR Associates, Inc 100 Milwaukee Street La Crosse, WI 54603 (608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated February 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [1] page, and [5] 30 x 42 drawings

CHANGES TO DRAWINGS

- <u>Sheet P001R1 PLUMBING GENERAL NOTES</u> 30 x 42 attached hereto a. Revisions clouded on Drawing.
- <u>Sheet P101R1 UNDERFLOOR PLAN SEGMENT A 30 x 42 attached hereto</u>
 a. Revisions clouded on Drawing.
- 3. <u>Sheet P102R1 UNDERFLOOR PLAN SEGMENT B</u> 30 x 42 attached hereto a. Revisions clouded on Drawing.
- <u>Sheet P103R1 UNDERFLOOR PLAN ALTERNATE</u> 30 x 42 attached hereto a. Revisions clouded on Drawing.
- 5. <u>Sheet P201R WATER RISER DIAGRAMS</u> 30 x 42 attached hereto
 - a. Revisions clouded on Drawing.

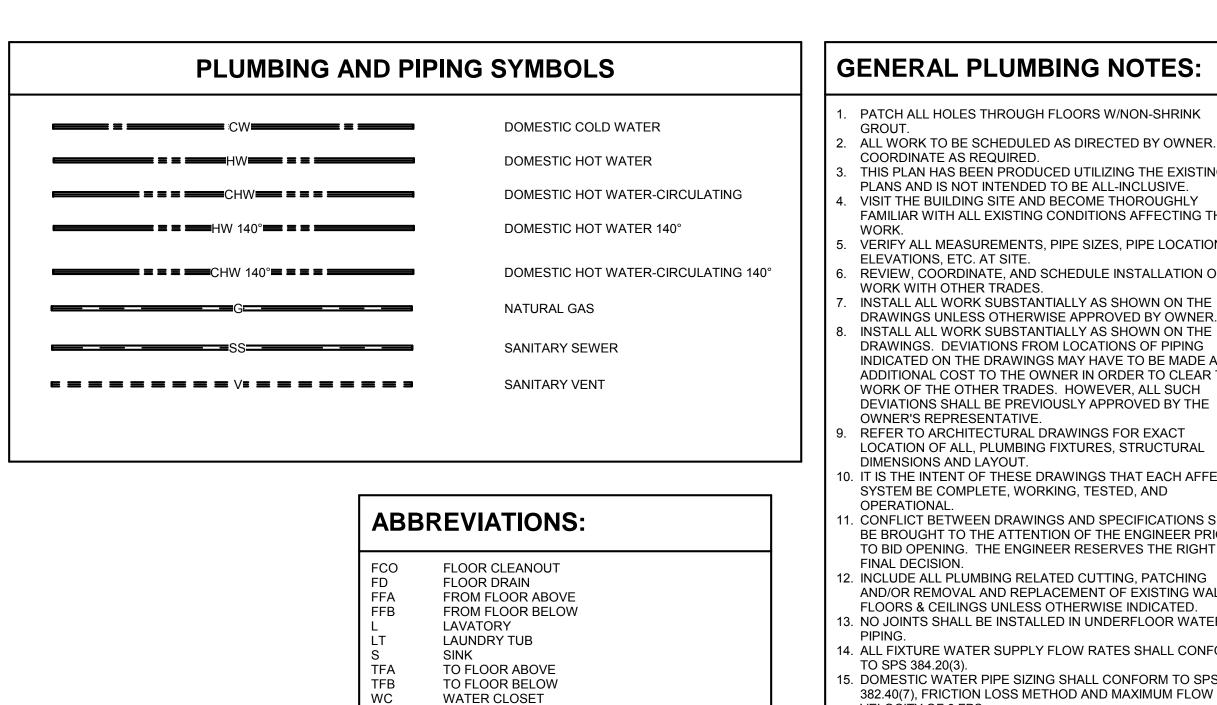
PRIOR APPROVALS

1. Section 08 54 13 Fiberglass Windows and French Door: Pella Fiberglass Windows and Fiberglass Door.

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										PLU	IMBING FI	TURE SC	HEDULE					
FIXTURE SYMBOL	DESCRIPTIION	MANUFACTURER	MODEL	MATERIAL	TRIM				FLOW FIXTURE			FLUSH FIXTURE		PIPE CONNECTIONS				SPECIFICATIONS
					MANUFACTURER	MODEL NO.	FINISH	TYPE	MOTION SENSOR CONTROI		MAX. MIXED WATER TEMP.	Volume Per Flush	MIN. Volume Per Flush	SANITARY ROUGH-IN PIPE DIAMETER	VENT PIPE DIAMETER	COLD WATER ROUGH-IN PIPE DIAMETER	HOT WATER ROUGH-IN PIPE DIAMETER	COMMENTS
DW-1	DISHWASHER									0.5 GPM	105 °F						1/2"	
HB-1	HOSE BIBB	CHICAGO	952-CP	BRASS			CHROME			3.0 GPM						1/2"		INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND R HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.
HYD-1	EXTERIOR WALL HYDRANT	WOODFORD	25	ROUGH BRASS			BRASS	MANUAL		3.0 GPM						3/4"		VANDAL RESISTANT FREEZE PROOF WALL HYDRANT WITH INTEGRAL VACUUM BREAKER
L-1	LAVATORY - INTERGAL - ADA	INTEGRAL WITH TOP		SOLID SURFACE	KOHLER	8" CORALAIS	CHROME	MANUAL	No	0.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	INTERGAL SINK AND TOP, 8" CENTER FAUCET HOLES
L-2	LAVATORY - WALL HUNG - ADA	KOHLER	KINGSTON	WHITE VITREOUS CHINA	KOHLER	4" CORALAIS	CHROME	MANUAL	No	0.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG SINK, VITREOUS CHINA, SELF RIMMING, FRONT OVERFLOW, 4" CENTER FAUCET HOLES, V
LT-1	LAUNDRY TUB	MUSTEE	18W	DURASTONE	CHICAGO FAUCET CO	1895-L9E35ABCP	CHROME	MANUAL	No	1.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	WALL HUNG, 18 GAL CAPACITY, MOLDED IN DRAIN, MILDEW RESISTANT, LARGE SELF DRAINING BACK STRENGTH ONE PIECE CONSTRUCTION. TRUEBRO TRAP WRAPS FOR ADA COMPLIANCY.
S-1	2-COMPARTMENT SINK	ELKAY	LRAD3321-55-3	STAINLESS STEEL	CHICAGO FAUCET CO	1100-E35-317XKABCP	CHROME	MANUAL	No	1.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	TWO-COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. WING HANDLE SWIVEL FAUCET, Q COMPRESSION CARTRIDGE, TWO LK35 BASKET STRAINERS, P-TRAP, TAILPIECES, SUPPLIES AND STO
S-2	1-COMPARTMENT SINK	ELKAY	LR191865-2	STAINLESS STEEL	CHICAGO FAUCET CO	895-317ABCP	CHROME	MANUAL	No	1.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	ONE-COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. WING HANDLE SWIVEL FAUCET, QU COMPRESSION CARTRIDGE, TWO LK35 BASKET STRAINERS, P-TRAP, TAILPIECES, SUPPLIES AND STO
SH-1	SHOWER STALL	WARM RAIN	WR 6030	FIBERGLASS	SYMMONS	96-300-B30-V-X	CHROME	MANUAL	No	1.5 GPM	105 °F			1 1/2"	1 1/2"	1/2"	1/2"	THE INDIVIDUAL SHOWER STALL IS SPECIFIED IN ANOTHER DIVISION. PROVIDE A SHOWER DRAIN AS WASTE, AND VENT PIPING SYSTEMS." SHOWER SYSTEM WITH TYPE "T/P" THERMOSTATIC/PRESSURE COMBINATION MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE MAN RATE RESTRICTOR ON SHOWERHEAD.
WB-1	LAUNDRY WALL BOX	SIOUX CHIEF	OXBOX MODEL 696-2313WR	ABS				MANUAL	No	3.0 GPM	105 °F			2"	1 1/2"	1/2"	1/2"	BOXES MOUNT SECURELY TO STUDS, DURABLE ABS CONSTRUCTION, WATER HAMMER ARRESTER A QUALITY NORTH AMERICAN QUARTER TURN BALL VALVE,
WB-2	ICE MAKER	SIOUX CHIEF	ASTM PEX F1960 GRIP	ABS			CHROME/AB S	MANUAL		0.5 GPM	105 °F					1/2"		1/4 TURN LEAD FREE BALL VALVE, HAMMER ARRESTER, 1/4" OUTLET, 72" BRAIDED STAINLESS STEEL
WC-1	WATER CLOSET - FLOOR MOUNT - TANK TYPE - ADA	KOHLER	K-3999-0 HIGHLINE	WHITE VITREOUS CHINA			CHROME	TANK-TYPE	No			1.28 gal	1.28 gal	4"	1 1/2"	1/2"		ELONGATED FLOOR MOUNTED TANK TYPE WATER CLOSET, WITH CHURCH 295CT ELONGATED OPEN PROVIDE A 1/4" BRASS BALL VALVE AT WALL CONNECTION. INSTALL AT ADA COMPLIANT HEIGHT.



PLUMBING SHEET INDEX

FP100 FIRE PROTECTION P001R1 PLUMBING GENERAL NOTES P101R1 UNDERFLOOR PLAN SEGMENT A P102R1 UNDERFLOOR PLAN SEGMENT B P103R1 UNDERFLOOR PLAN - ALTERNATE P111 FIRST FLOOR PLAN - SEGMENT A P112R FIRST FLOOR PLAN - SEGMENT B P200 DWV RISER DIAGRAMS P201R WATER RISER DIAGRAMS

FIXTURE UNIT SUMMARY									
FIXTURE				PIPE SI	ZE	FIXTURE UNITS			
SYMBOL	FIXTURE DESCRIPTION	COUNT	WASTE	VENT	CW	HW	DFU	CWFU	HWFU
DW-1	DISHWASHER	11				1/2"	0	0	11
FD-1	FLOOR DRAIN - ROUND	16	3"	1 1/2"			48	0	0
HB-1	HOSE BIBB	1			1/2"		0	3	0
HYD-1	EXTERIOR WALL HYDRANT	8			3/4"		0	32	0
L-1	LAVATORY - INTERGAL - ADA	10	1 1/2"	1 1/2"	1/2"	1/2"	10	5	5
L-2	LAVATORY - WALL HUNG - ADA	2	1 1/2"	1 1/2"	1/2"	1/2"	2	1	1
LT-1	LAUNDRY TUB	1	1 1/2"	1 1/2"	1/2"	1/2"	2	1	1
S-1	2-COMPARTMENT SINK	11	1 1/2"	1 1/2"	1/2"	1/2"	22	11	11
S-2	1-COMPARTMENT SINK	1	1 1/2"	1 1/2"	1/2"	1/2"	1	1	1
SH-1	SHOWER STALL	10	1 1/2"	1 1/2"	1/2"	1/2"	20	10	10
WB-1	LAUNDRY WALL BOX	3	2"	1 1/2"	1/2"	1/2"	12	3	3
WB-2	ICE MAKER	1			1/2"		0	0.5	0
WC-1	WATER CLOSET - FLOOR MOUNT - TANK TYPE - ADA	12	4"	1 1/2"	1/2"		52	26	0
Grand total: 87 169 93.5 4									43

GENERAL PLUMBING NOTES:

PATCH ALL HOLES THROUGH FLOORS W/NON-SHRINK

- ALL WORK TO BE SCHEDULED AS DIRECTED BY OWNER. THIS PLAN HAS BEEN PRODUCED UTILIZING THE EXISTING PLANS AND IS NOT INTENDED TO BE ALL-INCLUSIVE. VISIT THE BUILDING SITE AND BECOME THOROUGHLY
- FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, REVIEW, COORDINATE, AND SCHEDULE INSTALLATION OF
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE APPROVED BY OWNER. INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL, PLUMBING FIXTURES, STRUCTURAL
- . IT IS THE INTENT OF THESE DRAWINGS THAT EACH AFFECTE SYSTEM BE COMPLETE, WORKING, TESTED, AND
- CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO
- 2. INCLUDE ALL PLUMBING RELATED CUTTING, PATCHING AND/OR REMOVAL AND REPLACEMENT OF EXISTING WALLS, FLOORS & CEILINGS UNLESS OTHERWISE INDICATED. 3. NO JOINTS SHALL BE INSTALLED IN UNDERFLOOR WATER
- 14. ALL FIXTURE WATER SUPPLY FLOW RATES SHALL CONFORM 5. DOMESTIC WATER PIPE SIZING SHALL CONFORM TO SPS
- 382.40(7), FRICTION LOSS METHOD AND MAXIMUM FLOW VELOCITY OF 8 FPS. 6. BACKFLOW PROTECTION SHALL BE PROVIDED TO ALL FIXTURES, CONFORMING TO SPS 382.41(3). 7. EACH FIXTURE SHALL BE VALVED, CONFORMING TO SPS

382.40(4)(c)b.

PFR FOOT

382.31(15)(b)3.

- 3. TERMINATE WATER AND SANITARY LATERAL 5'-0" BEYOND EXTERIOR FACE OF FOUNDATION WALL. CONTINUATION SHALL BE UNDER A SEPARATE CONTRACT.). UNLESS NOTED OTHERWISE ALL WASTE AND DRAIN PIPING 3 AND LARGER SHALL BE INSTALLED AT A SLOPE OF 1/8" PER FOOT AND WASTE AND DRAIN, PIPING 2" AND SMALLER AT 1/4
- 20. CONNECT VENT PIPING ABOVE THE CENTERLINE OF HORIZONTAL DRAIN PIPING IN CONFORMANCE TO SPS 382.31 1. FIXTURE VENTS SHALL CONNECT TO OTHER BRANCH VENTS
- A MINIMUM OF 38" ABOVE THE FLOOR, CONFORMING TO SPS 2. THE INSTALLATION OF PVC DWV PIPING IN BUILDING SHALL CONFORM TO SPS 384.40(14), WHEN APPLICABLE. 23. WASTE STACK BASE CONNECTIONS SHALL BE MADE USING
- LONG SWEEP FITTINGS. 24. CLEANOUTS SHALL CONFORM TO SPS 382.35(6) TABLE 82.35. 25. ALL WATER CLOSETS SHALL BE WATER CONSERVING TYPE, USING A MAXIMUM OF 1.6 GALLONS PER FLUSH CONFORMING TO SPS 384.20(3). 26. ALL SINK FAUCETS SHALL USE A MAXIMUM OF 2.2 GPM,
- CONFORMING TO SPS 384,20(3). 7. ALL SHOWERS SHALL BE CONTROLLED BY THERMOSTATIC MIXING VALVE OR INDIVIDUALLY CONTROLLED BY PRESSURE BALANCED MIXING VALVE, CONFORMING TO SPS 382.40(8)(g). 28. ALL SHOWER HEADS SHALL BE WATER CONSERVING TYPE, USING A MAXIMUM OF 2.5 GPM, CONFORMING TO SPS 384.20 . ALL LINE VALVES WHICH SERVE TWO OR MORE PLUMBING FIXTURES SHALL HAVE A FLOW OPENING NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER THAN THE NOMINAL SIZE
- OF THE PIPING CONNECTING TO THE VALVE, CONFORMING TO SPS 384.30(5)(b)3. 80. CUTTING, NOTCHING OR BORING OF METAL STUD WALL SYSTEM IS NOT PERMITTED UNLESS APPROVED BY THE MANUFACTURER AND THE STRUCTURAL INTEGRITY HAS NOT BEEN REDUCED TO UNACCEPTABLE LEVELS. I. PLASTIC PIPE MAY PENETRATE REQUIRED FIRE-RESISTIVE RATED FLOORS, WALLS, CEILINGS AND FIRE RATED ASSEMBLIES PROTECTED WITH AN APPROVED FIRE-STOP SYSTEM HAVING AN F-RATING NOT LESS THAN THE HOURLY RATING OF THE ASSEMBLY BEING PENETRATED. 2. CORE DRILL OPENINGS IN EXISTING FLOOR/WALL, AS
- REQUIRED. SIZE OF OPENINGS SHALL NOT EXCEED 1" LARGER THAN THE O.D. OF THE PIPING PENETRATING THE ASSEMBLY. COORDINATE WITH DRAFT/FIRE STOPPING REQUIREMENTS.

LOCK SHIELD CAP, AND REMOVABLE "TEE" SE BIBB.
JM BREAKER
ENTER FAUCET HOLES, WHITE

- GE SELF DRAINING BACK SHELF, HIGH OMPLIANCY. NDLE SWIVEL FAUCET, QUATURN ECES, SUPPLIES AND STOPS.
- NDLE SWIVEL FAUCET, QUATURN ECES, SUPPLIES AND STOPS. DE A SHOWER DRAIN AS SPECIFIED IN "SOIL,
- ERMOSTATIC/PRESSURE BALANCING IDLE TURN. PROVIDE MANUFACTURER'S FLOW
- R HAMMER ARRESTER AVAILABLE, HIGH
- AIDED STAINLESS STEEL SUPPLY HOSE 95CT ELONGATED OPEN FRONT SEAT.

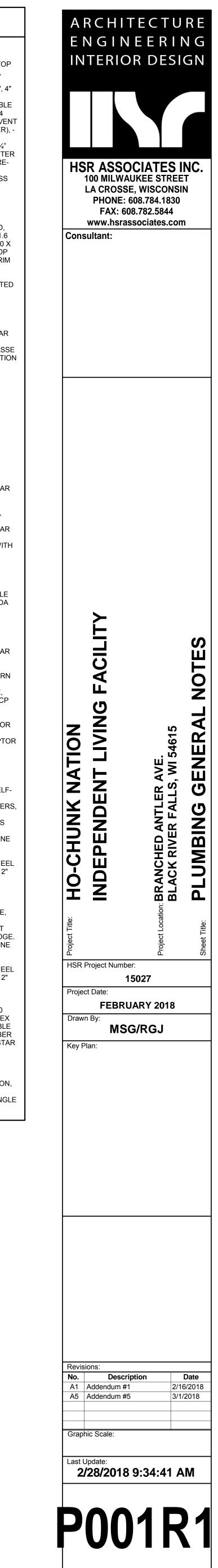
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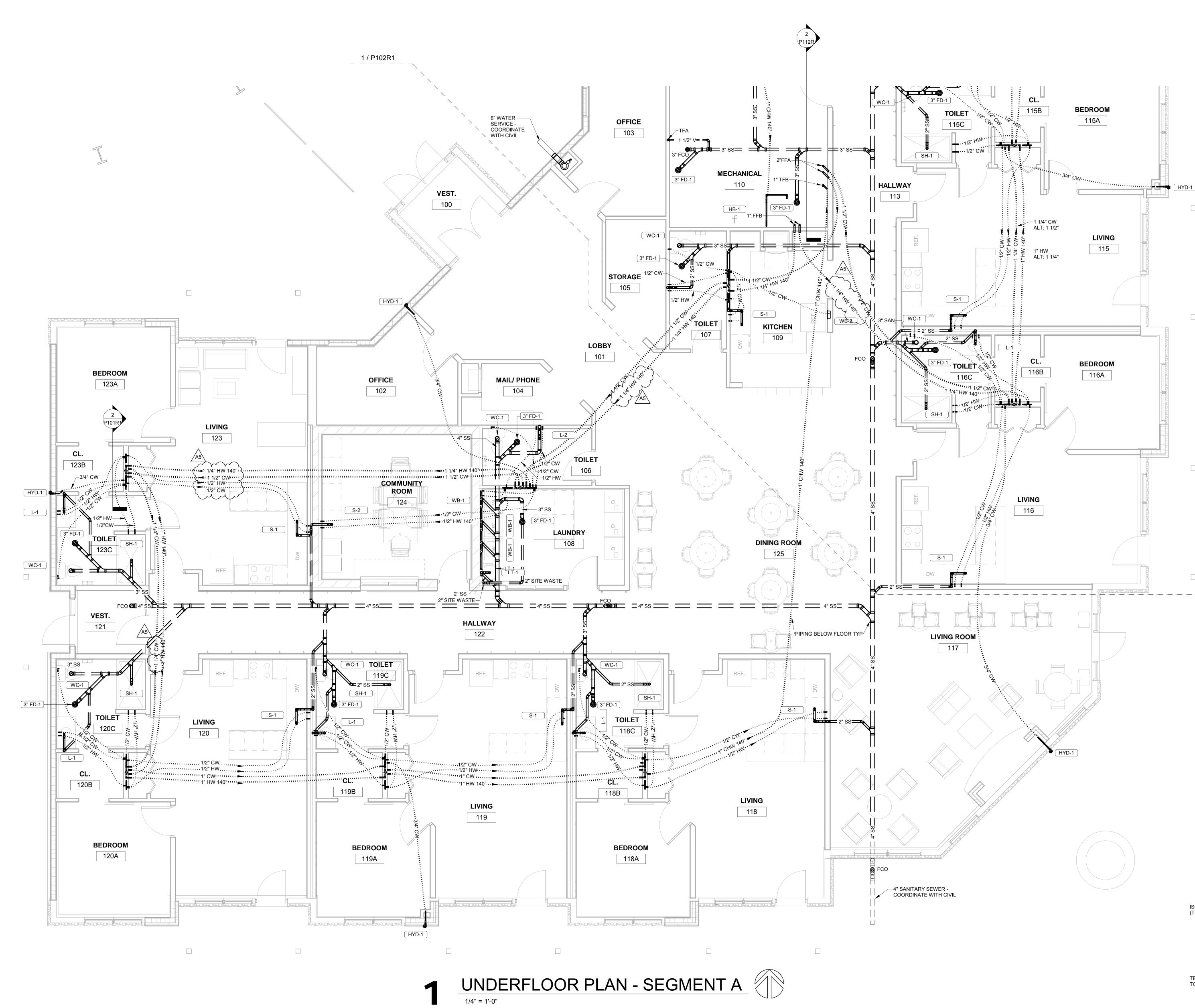
DRAIN/WASTE/VENT PIPING 1. SCHEDULE 40 SOLID PVC PIPE AND FITTINGS

- WATER DISTRIBUTION PIPING (ABOVE GROUND) TYPE "L" COPPER ABOVE GROUND PIPING/MECHANICAL ROOM 2. WROUGHT, COPPER FITTINGS, PROPRESS, ARE, ACCEPTABLE. SCHEDULE 40 GALVANIZED STEEL PIPE WITH GALVANIZED
- MALLEABLE IRON FITTINGS, OR VICTAULIC/GRUYLOK FITTINGS, WATER DISTRIBUTION PIPING (BELOW GROUND) WIRSBO AQUAPEX TUBING TO FIXTURES AND ROOMS. ALL
- UNDERFLOOR PIPING TO BE INSULATED. 1" HOT. 1/2" COLD. WIRSBO PROPEX LF COPPER STUB ELL, 1/2" PEX LF BRASS X 1/2" COPPER (8" X 13") TO FIXTURES.
- 1" EP BRANCH MULTI-PORT TEE W/ 1/2" OUTLETS AND MOUNTING CLIPS. (MANIFOLDS IN CLOSETS)
- PIPE INSULATION (UNDERGROUND HOT AND COLD) ARMACELL AP ARMAFLEX SS SELF-SEAL BLACK FLEXIBLE ELASTOMERIC THERMAL INSULATION, EXPANDED CLOSED-CELL STRUCTURE, 1/2", 3/4", AND 1" THICK, 25/50 FLAME AND SMOKE RATING FOR USE IN AIR PLENUMS, MANUFACTURED WITHOUT THE USE OF CFC'S, HFC'S OR HCFC'S, FORMALDEHYDE FREE, LOW VOCS, FIBER FREE, DUST FREE, RESISTS MOLD AND MILDEW. MADE WITH MICROBAN ANTIMICROBIAL PRODUCT, WATER VAPOR TRANSMISSION OF 0.05, UP TO 4" IPS, MEETS THE ENERGY CODE REQUIREMENTS OF ASHRAE 90.1, ASHRAE 90.2, INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AND OTHER BUILDING CODES, CONFORMS TO NFPA 90A AND 90B
- REQUIREMENTS. K=0.24 PER INCH AND R=4.2 PER INCH BASED ON FLAT SURFACE RATHER THAN RADIAL SURFACE, RECOMMENDED TEMPERATURE USAGE RANGE OF -297°F TO 180°F. PIPE INSULATION (ABOVE GROUND)
- MANVILLE MICRO-LOK FIBERGLASS INSULATION WITH FACTORY APPLIED "AP-T PLUS" VAPOR BARRIER JACKET WITH PRESSURE SENSITIVE TAPE LAP SEALING SYSTEM WITH MATCHING BUTT STRIPS. (TO BE INSTALLED ONLY WHEN AIR TEMPERATURES ARE BETWEEN 15°F AND 130°F.) OR MANVILLE MICRO-LOK FIBERGLASS INSULATION WITH
- FACTORY APPLIED "AP" VAPOR BARRIER JACKET SECURED WITH CMC 17-465 ADHESIVE AND STAPLED. COAT STAPLES WITH VAPOR BARRIER MASTIC. (MAY BE INSTALLED WHEN AIR TEMPERATURES ARE LOWER THAN 15°F OR MORE THAN 130° FITTINGS UNDER 3 INCH, INSULATE WITH INSULATING CEMENT
- TO THICKNESS OF ADJOINING PIPE. FITTINGS 3" AND LARGER SHALL BE INSULATED WITH SEGMENTED OR MOULDED INSULATION OF SAME MATERIAL AND THICKNESS AS ADJOINING PIPE, SECURED WITH GALVANIZED STEEL WIRE AND FINISHED WITH A SMOOTHING COAT OF INSULATION CEMENT. VAPOR SEAL WITH A LAYER OF GLASS CLOTH
- EMBEDDED BETWEEN 2 COATS OF FOSTER 30-35 MASTIC, EACH 1/16" THICK. AT CONTRACTOR'S OPTION: MANVILLE "ZESTON". KNAUF "PROTO FITTING COVERS", FOSTER "SPEEDLINE 25/50 SMOKE-SAFE" OR UNIVERSAL PREMOLDED ONE PIECE PVC
- INSULATED FITTING COVERS MAY BE USED PROVIDED: INSTALLATION CONFORMS TO MANUFACTURER'S RECOMMENDATIONS; FIBERGLASS INSULATION INSERT THICKNESS IS THE SAME OR GREATER THAN SPECIFIED FOR ADJACENT PIPING; TACK FASTENERS ARE USED PRIOR TO USING PVC Z-TAPE ON ALL JOINTS: AND STATE FLAME SPREAD AND SMOKE DEVELOPED RATINGS ARE COMPLIED WITH
- AT CONTRACTOR'S OPTION: MAY USE PIPE INSULATION OF SAME MATERIAL AND THICKNESS, SIZE AS REQUIRED TO OVERLAP ONTO ADJOINING PIPE INSULATION, WITH EXPOSED JOINTS AND ENDS SEALED. THERMAL CONDUCTIVITY: R = 4.3 / K = 0.23 AT +75°F. MEAN
- TEMPERATURE, 1 INCH THICK.
- OATEY ACCESS PANEL MODEL #34056 14" X 14" PANEL
- <u>GAS PIPIN</u> SCHEDULE 40 BLACK IRON PIPE, THREADED CONNECTIONS AND FITTINGS.
- OUTSIDE HYDRANTS/HOSE BIBBS WOODFORD MODEL 25 OUTDOOR FAUCET, MODEL 34 SERIES VACUUM BREAKER, FREEZELESS. CHICAGO MODEL 952-CP HOSE BIBB
- THERMOSTATIC MIXING VALVE LAWLER MODEL #802 HIGH-LOW WATER MIXER, BRONZE BODY, REPLACEABLE CORROSION RESISTANT COMPONENTS. UNION END STOP, REMOVABLE STAINLESS STEEL STRAINERS, 2 GPM MINIMUM FLOW. 1" INLETS, 1 1/4" OUTLET, PROTECTION FROM HOT OR COLD SUPPLY FAILURE.
- CLEANOUTS: SIOUX CHIEF, J.R. SMITH, JOSAM, WADE, WATTS, ZURN, IN CONCRETE FLOORS:
- A. J.R. SMITH FIG. 4023, 4033, OR 4028 WITH SPIGOT, SPEEDI-SET, OR CAULK OUTLET, CAST IRON ADJUSTABLE CLEANOUT WITH ROUND SCORIATED N.B. COVER AND BRONZE PLUG, (2", 3", 4", 6" SIZES), OR
- B. SIOUX CHIEF NO. 850-2T, 850-3T, 850-4T ADJUSTABLE ACCESS COVER WITH ROUND TENZ ALLOY SCORIATED COVER AND NO. 878 SERIES POLYPROPYLENE SLOTTED FLUSH PLUG (1 ½"-6" SIZE).
- C. SIOUX CHIEF NO. 852-4PNQ/852-3PNQ ADJUSTABLE ACCESS COVER WITH SQUARE NICKET-BRONZE SCORIATED COVER AND NO. 878-60 POLYPROPYLENE PLUG. IN RESILIENT OR CERAMIC TILE FLOOR:
- A. J.R. SMITH FIG. 4043, 4053, OR 4048 WITH SPIGOT, SPEEDI-SET OR CAULK OUTLET, CAST IRON ADJUSTABLE CLEANOUT WITH SQUARE SCORIATED N.B. COVER AND BRONZE PLUG, OR B. SIOUX CHIEF NO. 850-3T ADJUSTABLE ACCESS COVER WITH
- ROUND TENZ ALLOY SCORIATED COVER AND NO. 878-60 POLYPROPYLENE SLOTTED FLUSH PLUG. IN WALLS: A. INSTALL A THREADED BRONZE RAISED HEAD PLUG AND A
- J.R. SMITH FIG. 4710 OR ZURN MODEL Z-1469 ROUND STAINLESS STEEL CLEANOUT ACCESS COVER WITH SECURING SCREW.

SPECIFICATION:

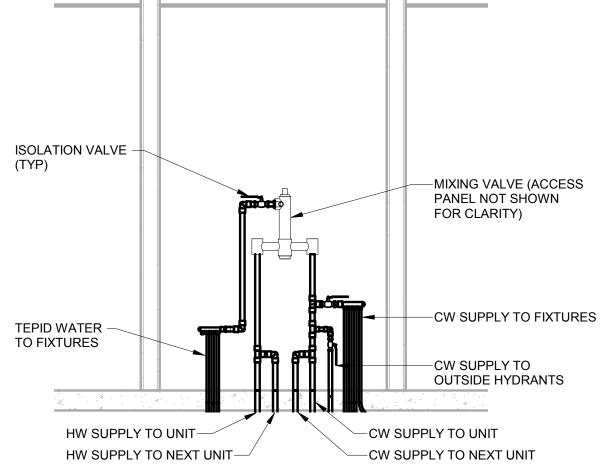
- FLOORDRAINS (FD-1): 1. FD-X, SIOUX CHIEF NO. 842-2PNQ, 842-3PNQ, 842-4PNQ SQUARE CAST NICKEL/BRASS STRAINER AND RING, PVC TOP HOUSING WITH THREADED BRASS INSERTS, ADJUSTABLE, PVC ADAPTER, OVERALL DIMENSION OF SQUARE RING & STRAINER (4 1/2", 5 7/8", 7"), FEMALE PVC GLUE JOINT, (2", 3", 4"
- SIZES). A. (OPTIONAL) FD-1, SIOUX CHIEF "FINISH LINE" ADJUSTABLE ABOVE-GRADE FLASHING FLOOR DRAIN NO. 833, -22 -23 -24 (2" 3" 4" SCH. 40 PVC HUB CONNECTION, ASTM D2665, SOLVENT WELDED), -NR (6 1/2" ROUND CAST NICKEL RING & STRAINER), NQ (6.69" SQUARE CAST NICKEL RING & STRAINER), 2,400 LBS. (MEDIUM DUTY) STRAINER LOAD RATING, ALLOWS 1 1/4" ADJUSTMENT BEFORE THE CONCRETE POUR AND 1 1/4" AFTER THE CONCRETE POUR. INVERTIBLE FLASHING COLLAR, PRE-THREADED ¹/₂" FIP TRAP PRIMER PORT KNOCKOUT CONNECTION. ABS HEAD ADAPTER WITH THREADED BRASS INSERTS, ABS CORING SLEEVE, HDPE CORING PLUG, ABS FLASHING COLLAR, PVC OR CAST IRON BASE ADAPTER,
- NEOPRENE PUSH-JOINT GASKET, (2", 3", 4" SIZES). WATER CLOSET (WC-1) CHINA: KOHLER K-4405 WATER CLOSET, FLOOR MOUNTED, FLOOR OUTLET, FLUSHOMETER VALVE TYPE, 1.1 GPF TO 1.6 GPF, VITREOUS CHINA, SIPHON-JET, ELONGATED BOWL, 10 X 12" WATER SURFACE AREA, 10" OR 12" ROUGH-IN, 1-1/2" TOP
- SPUD, FULLY GLAZED 2 1/8" TRAPWAY, BOLT CAPS, 16 ½" RIM HEIGHT EXPOSED FLUSHOMETER VALVE: TOTO "ECOPOWER" NO. TET6GNC-32-#CP. AUTOMATIC INFRARED SENSOR ACTIVATED (FIELD ADJUSTABLE), 1.6 GPF, HYDROPOWER SELF-GENERATING SYSTEM, PISTON-TYPE, 1 1/2" TOP SPUD FLANGE, 1" IPS SCREWDRIVER BACK CHECK ANGLE STOP WITH STOP CAP, VACUUM BREAKER, MANUAL OVERRIDE BUTTON, 24 HOUR AUTOMATIC FLUSH, WALL AND SPUD FLANGES, HEAVY-DUTY ZINC DIE CAST COVER, THREE YEAR WARRANTY, 15 PSI MINIMUM WATER SUPPLY PRESSURE. CONSTRUCTED IN COMPLIANCE WITH ANSI 112.19.2 AND ASSE 1037. LOWER CENTERLINE OF THE WATER INLET CONNECTION
- TO ACCOMMODATE HANDICAP GRAB BAR. SEAT: BEMIS NO. 2155SSCT WHITE, OPEN FRONT, HEAVY WEIGHT, INJECTION MOLDED SOLID PLASTIC SEAT LESS COVER, FACTORY INSTALLED STAINLESS STEEL SELF-SUSTAINING AND EXTERNAL CHECK.
- AVATORY (L-1 CHINA: KOHLER, CRANE
- LAVATORY INTEGRAL WITH COUNTER TOP FAUCET: KOHLER "CORALAIS" WIDESPREAD LAVATORY FAUCET, LEVER HANDLES GRID DRAIN: KOHLER NO. K-7129-A TRAP: AMERICAN STANDARD, BRASS CRAFT, BRASS
- PRODUCTS COMPANY, CRANE, DEARBORN BRASS, DURACRAFT PLASTICS INC, ELJER, ENGINEERED BRASS, KEENEY MANUFACTURING CO, KOHLER, MCGUIRE, TUBULAR BRASS, WOLVERINE BRASS. DEARBORN 704-1. SUPPLIES/STOPS: AMERICAN STANDARD, BRASS CRAFT,
- BRASS PRODUCTS COMPANY, CRANE, DEARBORN BRASS, DURACRAFT PLASTICS INC, ELJER, ENGINEERED BRASS, KEENEY MANUFACTURING CO, KOHLER, MCGUIRE, TUBULAR BRASS, WOLVERINE BRASS, CHICAGO #1019-ABCP ANGLE STOP, WHEEL HANDLE, 1/2" FPT X 3/8" OD COMPRESSION WITH 3/8" OD X 12" FLEXIBLE RISER. <u>LAVATORY (L-2)</u>:
- CHINA: KOHI ER AMERICAN STANDARD CRANE KOHLER "KINGSTON" NO. K-2007 (FOR CONCEALED ARM SUPPORTS). VITREOUS CHINA, WALL HUNG, 20 X 18, SINGLE FAUCET HOLE, FRONT OVERFLOW, SOAP DEPRESSION, ADA COMPLIANT. FAUCET: TOTO TEL115-D10ET
- TRAP: AMERICAN STANDARD, BRASS CRAFT, BRASS PRODUCTS COMPANY, CRANE, DEARBORN BRASS, DURACRAFT PLASTICS INC, ELJER, ENGINEERED BRASS, KEENEY MANUFACTURING CO, KOHLER, MCGUIRE, TUBULAR BRASS, WOLVERINE BRASS. DEARBORN 704-1
- SUPPLIES/STOPS: AMERICAN STANDARD, BRASS CRAFT, BRASS PRODUCTS COMPANY, CHICAGO, CRANE, DEARBORN BRASS. DURACRAFT PLASTICS INC, ELJER, ENGINEERED BRASS, KEENEY MANUFACTURING CO. KOHLER, MCGUIRE, TUBULAR BRASS, WOLVERINE BRASS, CHICAGO #1019-ABCP ANGLE STOP. WHEEL HANDLE, 1/2" FPT X 3/8" OD
- COMPRESSION WITH 3/8" OD X 12" FLEXIBLE RISER. SUPPORT: J. R. SMITH, JOSAM, WADE, WATTS, ZURN. FLOOR MOUNTED, CONCEALED ARM, J. R. SMITH FIG, 0700 FOR SINGLE INSTALLATIONS. INCLUDE "M24" EXTENSION ADAPTOR (S) AS REQUIRED.
- MOUNT RIM 34" ABOVE FLOOR. COUNTERTOP SINK (S-1):
- SINK: ELKAY "LUSTERTONE" NO. LRAD3321-55-3 18 GAUGE STAINLESS STEEL, 2 COMPARTMENT, LEDGEBACK AND SELF-RIMMING FRAME, SOUND DAMPENED UNDERSIDE. FAUCET: CHICAGO MODEL# 1100-E35-317XKABCP, 8" CENTERS, 1.5 GPM, CERAMIC 1/4 TURN OPERATING CARTRIDGE, CHROME PLATE FINISH, ECAST CONSTRUCTION WITH LESS
- THAN .25% LEAD, 4" WRIST BLADE HANDLES. DRAIN: ELKAY NO. LK-35 BASKET STRAINER WITH NEOPRENE STOPPER AND 1 1/2" O.D. TAILPIECE. TRAP: DEARBORN 704-1, 1 1/2" 17 GAUGE P-TRAP.
- SUPPLIES/STOPS: CHICAGO #1019-ABCP ANGLE STOP. WHEEL HANDLE, 1/2" FPT X 3/8" OD COMPRESSION WITH 3/8" OD X 12" FLEXIBLE RISER. OUNTERTOP SINK (S-2):
- SINK: ELKAY "LUSTERTONE" NO. LR-191865-2, 18 GAUGE STAINLESS STEEL, LEDGEBACK AND SELF-RIMMING FRAME,
- SOUND DAMPENED UNDERSIDE. CHICAGO NO. 895-317ABCP, 4" CENTERS, 2.2 GPM, 4' WRIST BLADE HANDLES, CERAMIC 1/4 TURN OPERATING CARTRIDGE.
- DRAIN: ELKAY NO. LK-35 BASKET STRAINER WITH NEOPRENE STOPPER AND 1 1/2" O.D. TAILPIECE. TRAP: DEARBORN 704-1, 1 1/2" 17 GAUGE P-TRAP.
- SUPPLIES/STOPS: CHICAGO #1019-ABCP ANGLE STOP, WHEEL HANDLE, 1/2" FPT X 3/8" OD COMPRESSION WITH 3/8" OD X 12" FLEXIBLE RISER.
- WATERHEATER (WH-1) PVI CONQUEST DOMESTIC HOT WATER HEATER MODEL 40 130A-GCL, 399,000 BTU, 98% EFFICIANCY, AQUAPLEX DUPLEX STAINLESS STEEL TANK, FIBERGLASS INSULATION, DURABLE POLYETHYLENE JACKET, AQUAPLEX COMBUSTION CHAMBER AND FIRE TUBES, 15 YEAR LIMITED WARRANTY, ENERGY STAR CERTIFIED, ELECTRONIC OPERATING SYSTEM WITH INTEGRATED IGNITION AND OPERATING CONTROLS.
- ECIRCULATION PUMP GRUNDFOS ALPHA 15-55F RECIRCULATION PUMP, CAST IRON, PERMANENT MAGNET MOTOR, 21 GPM, VARIABLE SPEED, FLANGED CONNECTION, 36-230 DEGREE TEMP RANGE, SINGLE PHASE.



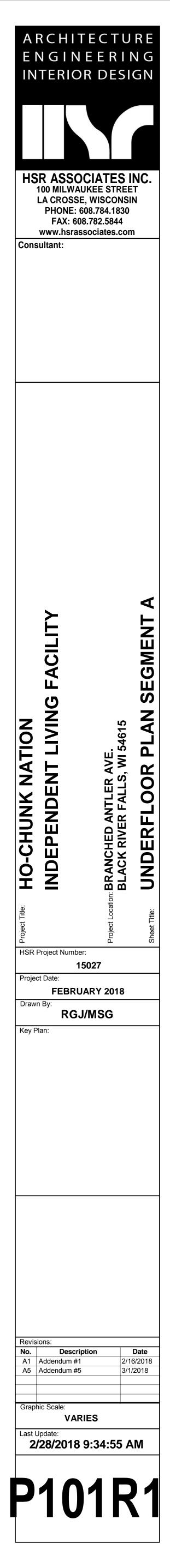


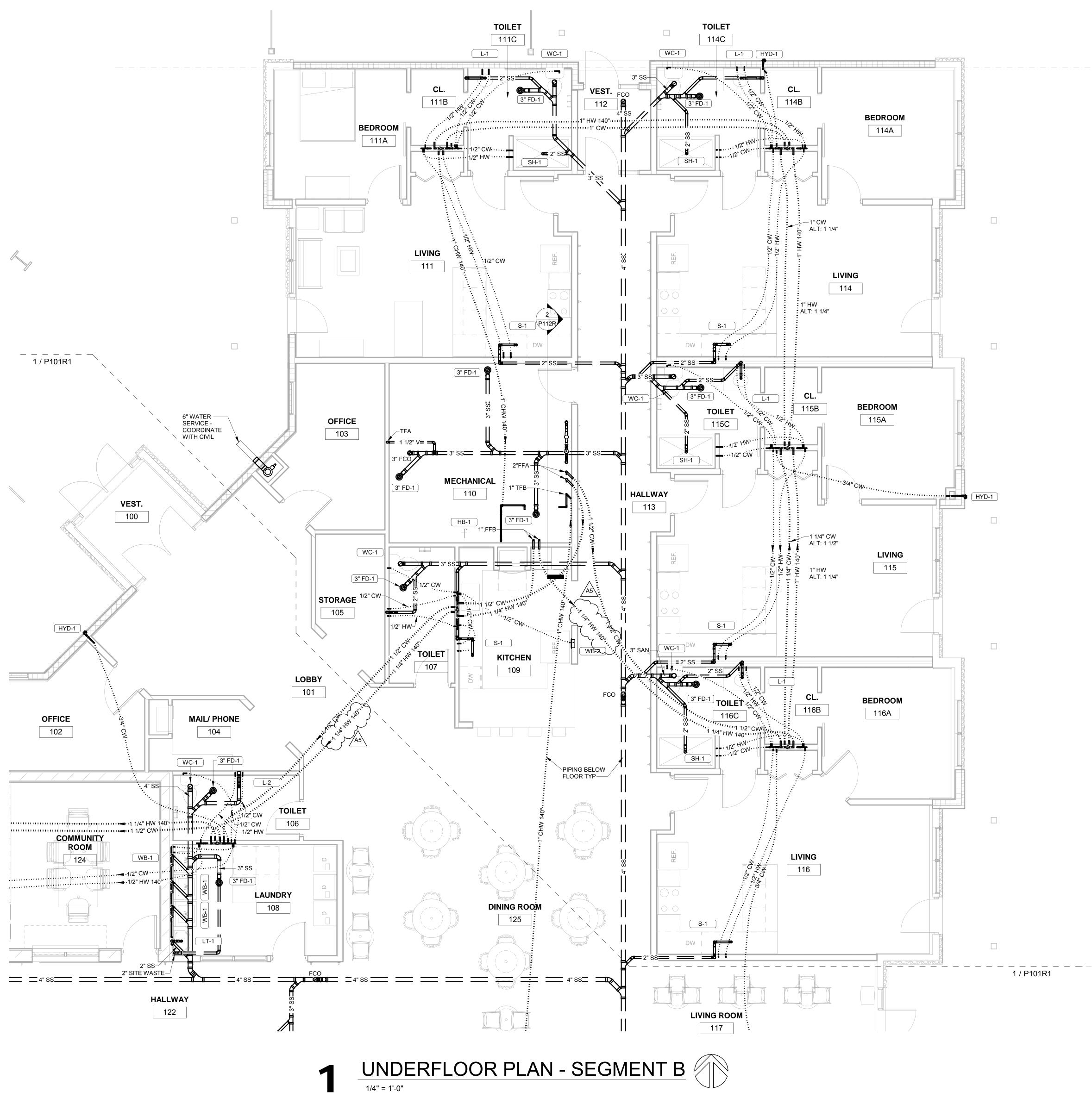


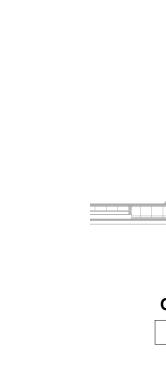
TYPICAL MANIFOLD DETAIL 1/2" = 1'-0"

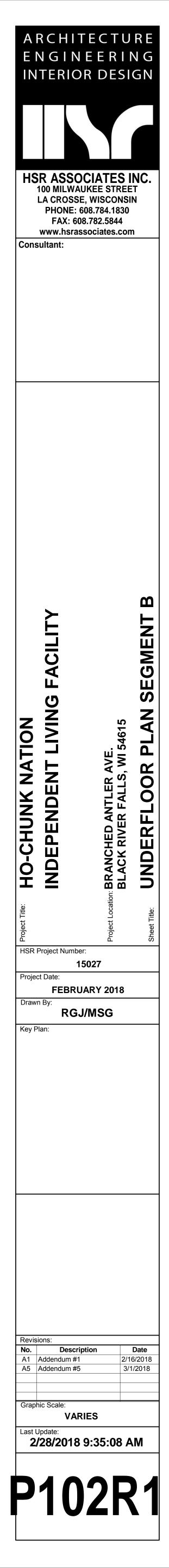


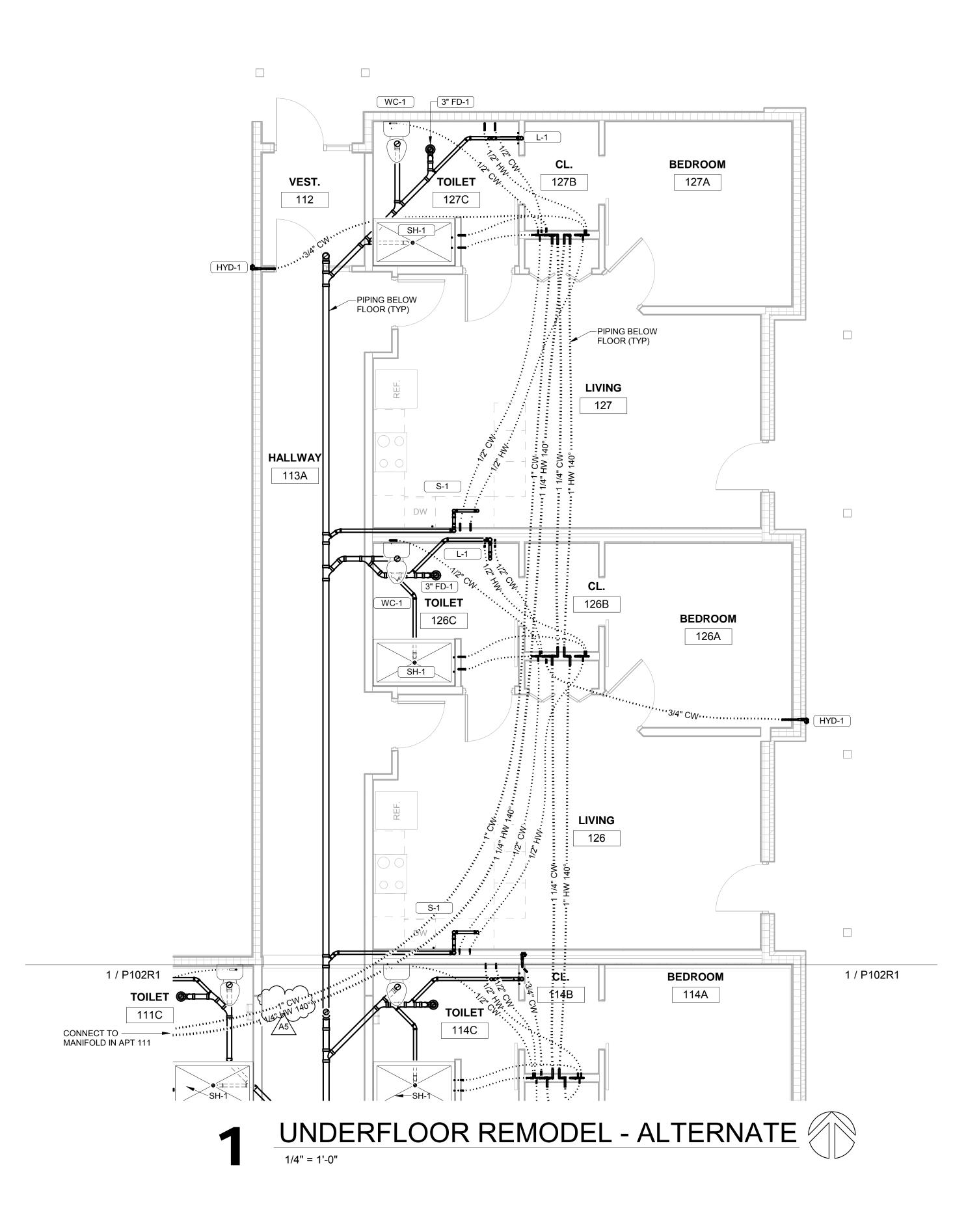
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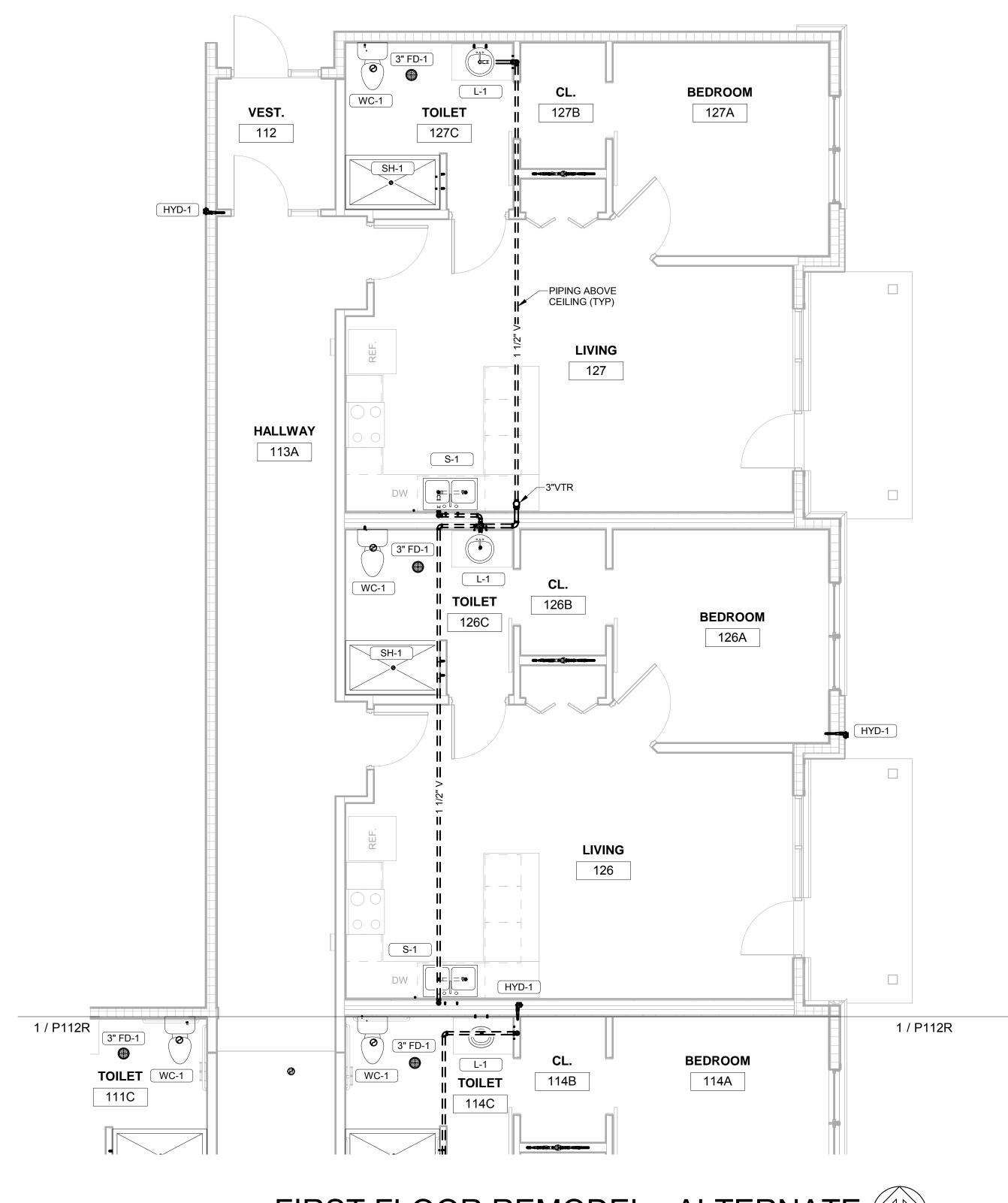




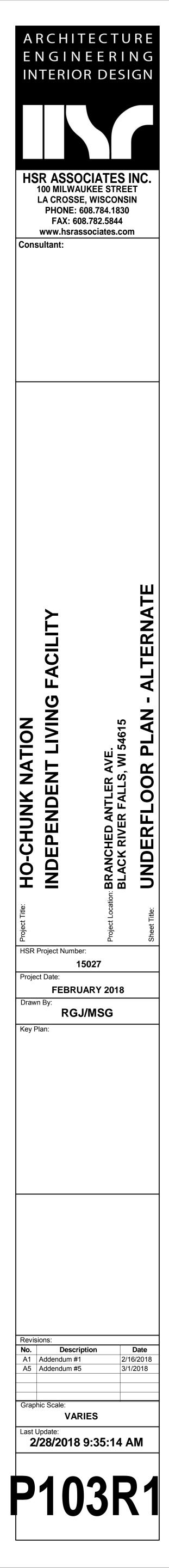


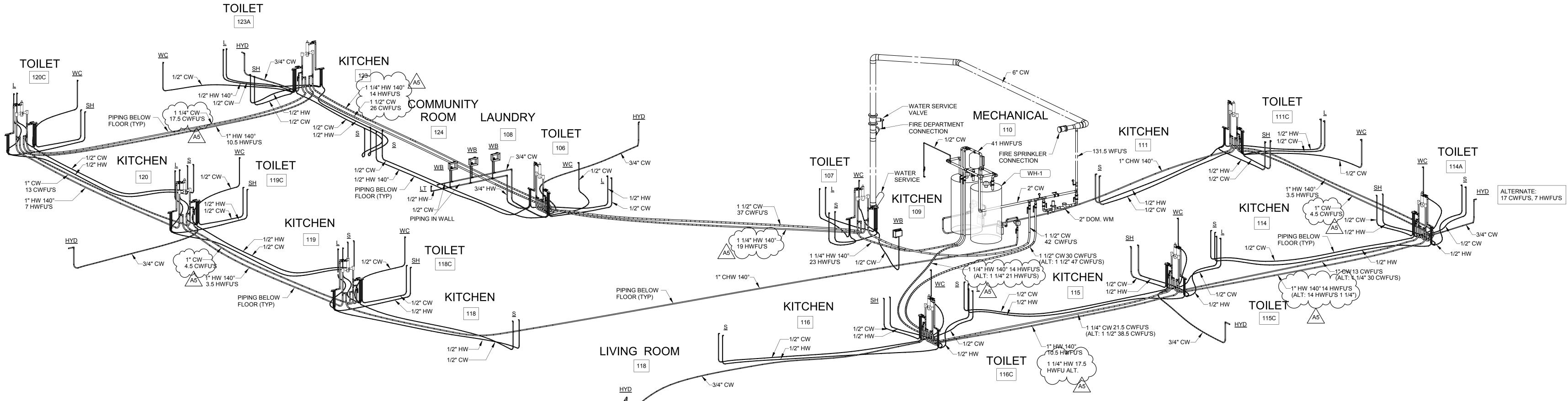






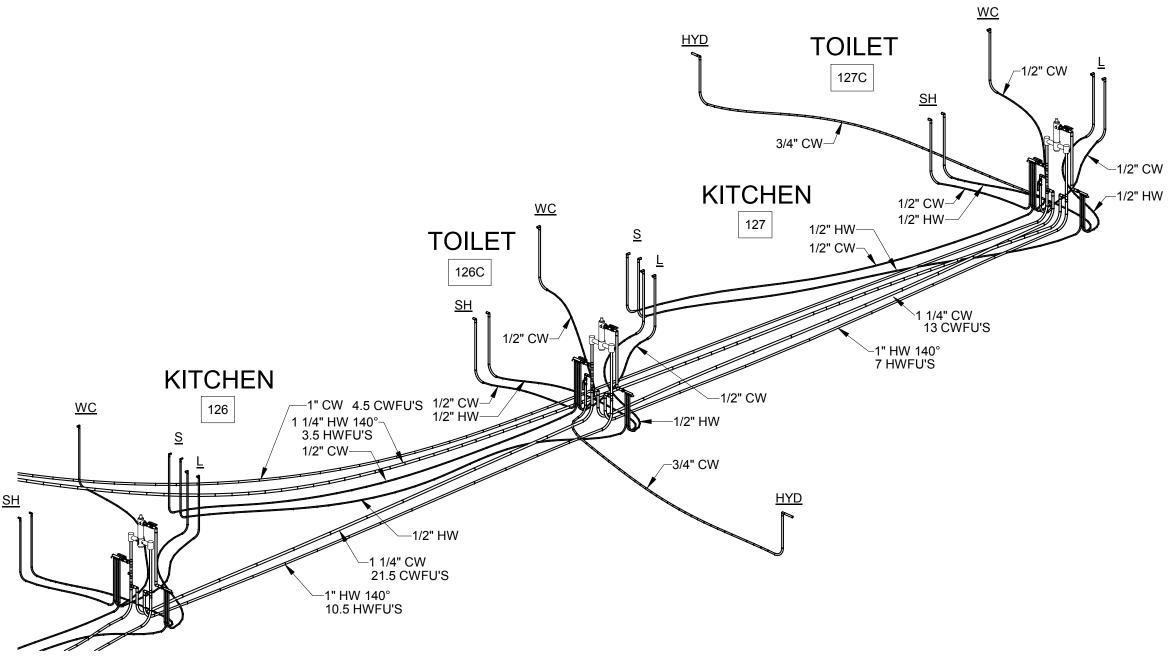






DOMESTIC WATER RISER DIAGRAM





DOMESTIC WATER RISER DIAGRAM - ALTERNATE

