

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			WATER CLOSET WALL-MOUNT	4"	2"	1 1/4"	-	MANUFACTURER: AMERICAN STANDARD MODEL: AFWALL ELONGATED TOILET LESS EVERCLEAN 1.6 GPF FLUSH VALVE. WALL MOUNTED TOILET, WITH ELONGATED BOWL. VITREOUS CHINA, WITH EVERCLEAN. 1 1/2" INLET SPUD, 2 1/2" TRAPWAY, 10"x12" WATER SURFACE AREA. FLUSH VALVE: AMERICAN STANDARD ELECTRONIC #8065, 161,002 BATTERY POWER (TOP SPUD) RECESSED WALL MOUNT TYPE PROVIDE WALL CARRIER
P-2			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN SOLID SURFACE 1-STATION WALL MOUNTED SINK MODEL: ELGR-81000 SLOANSTONE SOLID SURFACE. DOUBLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS
P-2A			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN SOLID SURFACE 2-STATION WALL MOUNTED SINK MODEL: ELGR-82000 SLOANSTONE SOLID SURFACE. DOUBLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS
P-2B			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN MODEL: ELGR-83000 SLOANSTONE SOLID SURFACE. TRIPLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS
P-3			URINAL	3"	2"	3/4"	-	MANUFACTURER: AMERICAN STANDARD MODEL: 6002.001 TOP SPUD HIGH EFFICIENCY URINAL 0.125 GPF. VITREOUS CHINA, 3/4" INLET SPUD, OUTLET CONNECTION 2" THREADED INSIDE. FLUSH VALVE: MODEL: 606301.002, 0.125 GPF EXPOSED TOP SPUD RECESSED WALL MOUNT TYPE S ELECTRONIC URINAL FLUSH VALVE. 20 PSI (FLOWING), 80 PSI (STATIC) OPERATING PRESSURE. 10 GPM FLOW REQUIREMENT PROVIDE WALL CARRIER
P-4			SHOWER (ADA)	3"	2"	3/4"	3/4"	MANUFACTURER: BEST BATH SYSTEMS MODEL: 4LSS2438A75FTB V3" 38.25"x40.5"x80.5" SHOWER, FIBERGLASS NOTES: INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ADA GUIDELINES. PROVIDE MOEN HANDHELD KIT KACXMOAN1001 OR APPROVED EQUIVALENT.
P-4A			SHOWER (ADA)	3"	2"	3/4"	3/4"	MANUFACTURER: BEST BATH SYSTEMS MODEL: 4LSS26337A75FTB V3" 38.5"x63"x80.5" SHOWER, FIBERGLASS NOTES: INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ADA GUIDELINES. PROVIDE MOEN HANDHELD KIT KACXMOAN1001 OR APPROVED EQUIVALENT.
P-5			ART ROOM SINK	2"	2"	3/4"	3/4"	MANUFACTURER: ELKAY MODEL: EWM480C 304 STAINLESS STEEL WALL HUNG MULTIPLE STATION HAND WASH SINK. INCLUDE SOLIDS INTERCEPTOR AT DRAIN.
P-6			SINK (ADA)	2"	2"	3/4"	3/4"	MANUFACTURER: ELKAY MODEL: LRAD221965 FAUCET; MAKE: ELKAY MODEL: LK4062N514 304 STAINLESS STEEL DROP IN ADA SINK. FAUCET SHALL BE BRASS MATERIAL, & DOUBLE HOLE WITH A FLOW RATE OF 1.5 GPM. INCLUDE SOLIDS INTERCEPTOR AT DRAIN.
P-7			JANITOR'S SINK	3"	2"	3/4"	3/4"	MANUFACTURER: ZURN MODEL: Z5850 FAUCET: ZURN SINK FAUCET ZB43M1-XL ENAMELED CAST IRON CORNER FLOOR SINK WITH 28x28x8 BOWL, 3" DRAIN WITH DRAIN GRID
CM			COFFEE MAKER	-	-	3/4"	-	MANUFACTURER: CURTIS MODEL: ALPHA G3 AUTOMATIC COFFEE BREWING SYSTEM SHALL BE ABLE TO BREW 12 GAL/HR ELECTRICAL: 120V/160, 1800 WATTS, 15 AMPS
CM-1			COFFEE MAKER	-	-	3/4"	-	MANUFACTURER: KEURIG MODEL: KEURIG K-2500 PLUMBED COMMERCIAL COFFEE MAKER ELECTRICAL: 120V/160, 1800 WATTS, 12 AMPS
IM			ICE MACHINE	-	-	3/4"	-	MANUFACTURER: AVANTCO ICE MACHINES MODEL: KMC-H-530-A 30" AIR COOLED MODULAR HALF CUBE ICE MACHINE WITH BIN - 500LB. ICE MAKER WITH BIN. SHALL BE ABLE TO PRODUCE 500 LBS/DAY AT 90°F. 350 LB BIN STORAGE CAPACITY. ELECTRICAL: 115V/160, 9.4 AMPS
IM-1			ICE MACHINE	-	-	3/4"	-	MANUFACTURER: AVANTCO ICE MACHINES MODEL: LUC-F-120-A-19" AIR COOLED UNDERCOUNTER FULL CUBE ICE MACHINE - 129LB. ICE MAKER WITH BIN. SHALL BE ABLE TO PRODUCE 129 LBS/DAY AT 90°F. 40 LB BIN STORAGE CAPACITY. ELECTRICAL: 115V/160, 5 AMPS
DW			DISHWASHER	1-3/8"	-	-	1/2"	MANUFACTURER: JACKSON WAREWASHING SYSTEMS MODEL: DISHSTAR HT-E UNDERCOUNTER DISHWASHER, HIGH TEMPERATURE SANITIZING, 27 RACKS PER HOUR CAPACITY, 100 SECOND CYCLE, BOTTOM MOUNTED CONTROLS WITH STAINLESS STEEL TOP AND SIDE PANELS, AND BUILT IN BOOSTER HEATER, 180°F FINAL RINSE WATER. ELECTRICAL: 208/60/1
DF			DRINKING FOUNTAIN	2"	2"	3/4"	-	MANUFACTURER: ELKAY MODEL: LZSTL8WSLK e2H20 BOTTLE FILLING STATION AND BI-LEVEL ADA COOLER FILTERED REFRIGERATED LIGHT GRAY. 8.0 GPH OF 50°F DRINKING WATER BASED ON 80°F INLET WATER AND 90°F AMBIENT MODEM: V/P/Hz: 115V/160, FLA=6
DF-1			DRINKING FOUNTAIN	2"	2"	3/4"	-	MANUFACTURER: ELKAY MODEL: LZS8WSLK e2H20 BOTTLE FILLING STATION WITH SINGLE ADA COOLER FILTERED REFRIGERATED LIGHT GRAY. 8.0 GPH OF 50°F DRINKING WATER BASED ON 80°F INLET WATER AND 90°F AMBIENT MODEM: V/P/Hz: 115V/160, FLA=6
FD			FLOOR DRAIN	3"	2"	-	-	FLOOR DRAIN; MAKE: JR SMITH MODEL: 2110 MEDIUM DUTY DRAIN, 8.5" ROUND TOP, STRAINER. PROVIDE TRAP SEAL
FD-1			PARKING GARAGE FLOOR DRAIN	3"	2"	-	-	WADE #W-1210-27 WITH CAST IRON BODY, CAST IRON DRAINAGE FLANGE, SEDIMENT BUCKET, FLASHING COLLAR, 12" ROUND HEAVY DUTY CAST IRON GRATE. PROVIDE TG-1 FOR EACH FD.
NFHB			NON FREEZE HOSE-BIB	-	-	-	-	HOSE BIB; MAKE: WOODFORD MODEL: 65 ANTI-SIPHON PROTECTED AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH INTEGRAL VACUUM BREAKER
COPD			CLEANOUT DECK PLATE	-	-	-	-	FLOOR CLEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OF SECTIONS AND ROUND SCORIATED NICKEL-BRONZE TOP. WADE #W-8000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST IRON TOP FOR MECHANICAL ROOMS. COPD IN GARBAGE ROOM TO BE RATED FOR VEHICULAR TRAFFIC.
WCO			WALL CLEANOUT	-	-	-	-	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL.
RD-1			ROOF DRAIN	4"	2"	2	-	JOSAM 21500 4" SERIES COATED CAST IRON ROOF DRAIN. LARGE POLYPROPYLENE LOCKING DOME. WEJOC NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP. LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.
OD-1			ROOF DRAIN	4"	2"	2	-	JOSAM 21500 4" 16 SERIES COATED CAST IRON ROOF DRAIN. LARGE POLYPROPYLENE LOCKING DOME. WEJOC NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP. INTERNAL WATER GUARD FOR OVERFLOW, LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.
NOTES: 1.) REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE QUANTITY, LOCATIONS, & MOUNTING HEIGHTS.								

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Sheet Title

PLUMBING
MARKING FLOOR &
FIRST FLOOR
SLAB PLAN

Job No. NKGD0207.00	Date 02/16/2024
Scale AS NOTED	Drawn / Checked HM / RG

Sheet Number
P-200A

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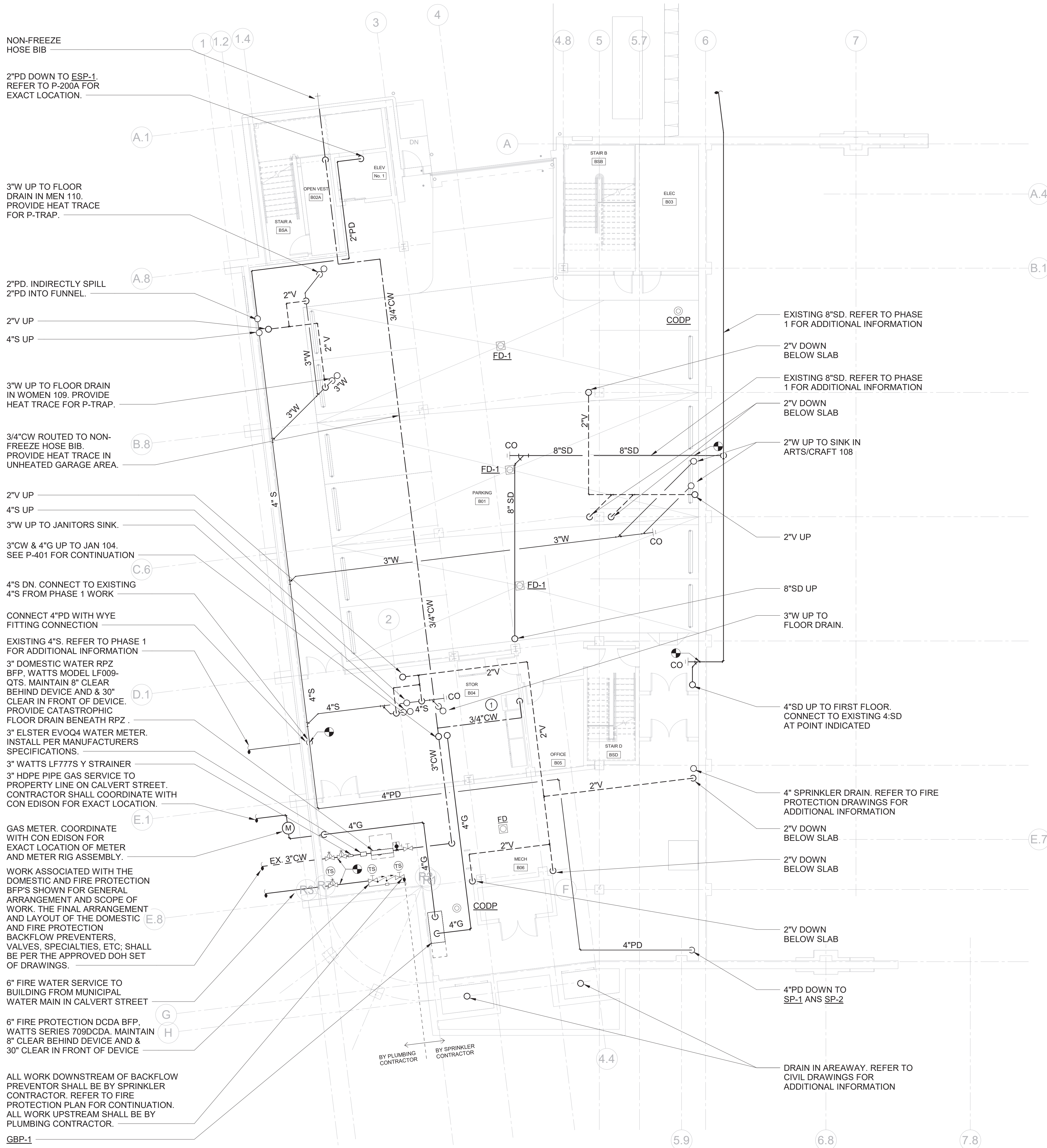
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1	03/13/2020	50% DESIGN DEVELOPMENT

PLUMBING
PARKING FLOOR PLAN

Job No. NKGD2027.00 Date 02/16/2024
Scale AS NOTED Drawn / Checked HM / RG

Sheet Number

P-201



1

PLUMBING PARKING FLOOR PLAN

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

NEW WORK KEY NOTES

1 ICE MACHINE IM: PROVIDE 3/4" CW. PROVIDE SHUT-OFF VALVE.

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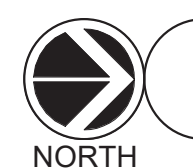
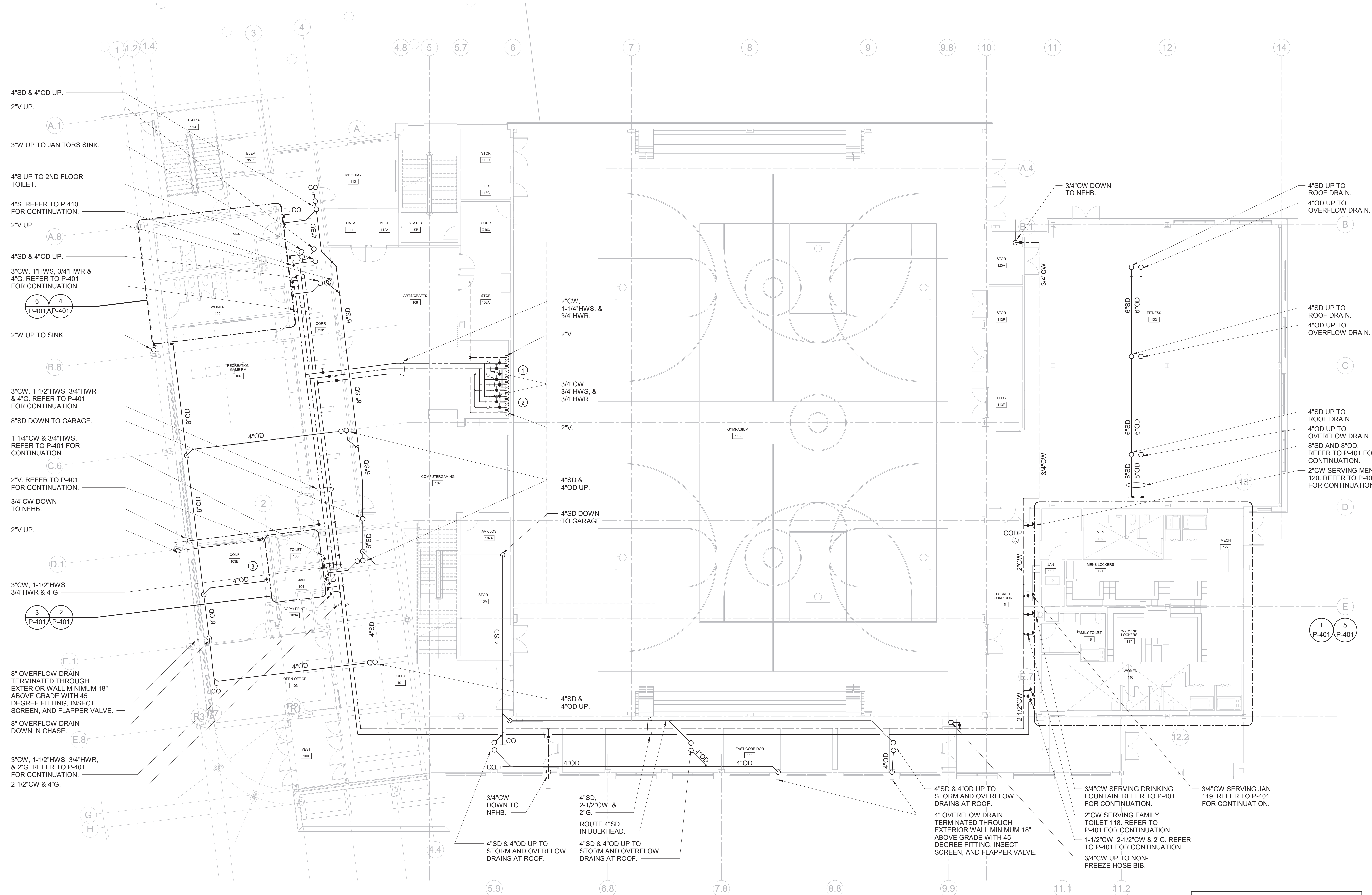
PLUMBING FIRST
FLOOR PLAN

Job No. NKGD0207.00 Date 02/16/2024

Scale AS NOTED Drawn / Checked HM / RG

Sheet Number

P-202



PLUMBING FIRST FLOOR PLAN

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

NEW WORK KEY NOTES

- 1 SINK P-5. PROVIDE (2) 3/4" CW, (2) 3/4" HW, (1) 2" W, AND (1) 2" V. PROVIDE SHUT-OFF VALVES. TYPICAL
- 2 SINK P-6. PROVIDE 3/4" CW, 3/4" HW, 2" W, AND 2" V. PROVIDE SHUT-OFF VALVES. TYPICAL
- 3 COFFEE MAKER CM-1. PROVIDE 3/4" CW, PROVIDE SHUT-OFF VALVE AND BACKFLOW PREVENTER.

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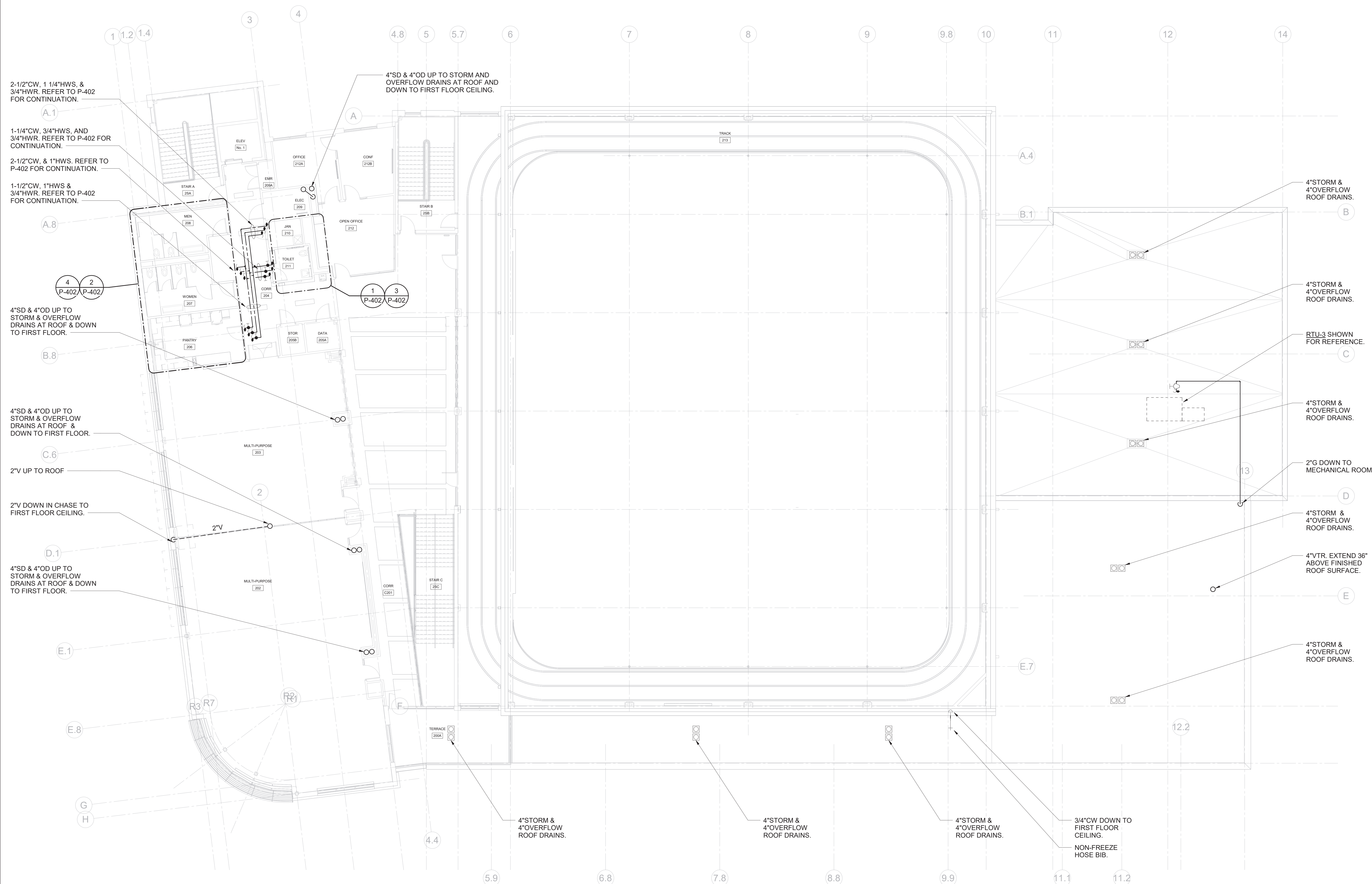
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PLUMBING SECOND FLOOR PLAN

Job No. NKGD0207.00	Date 01/24/2024
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PLUMBING SECOND FLOOR PLAN

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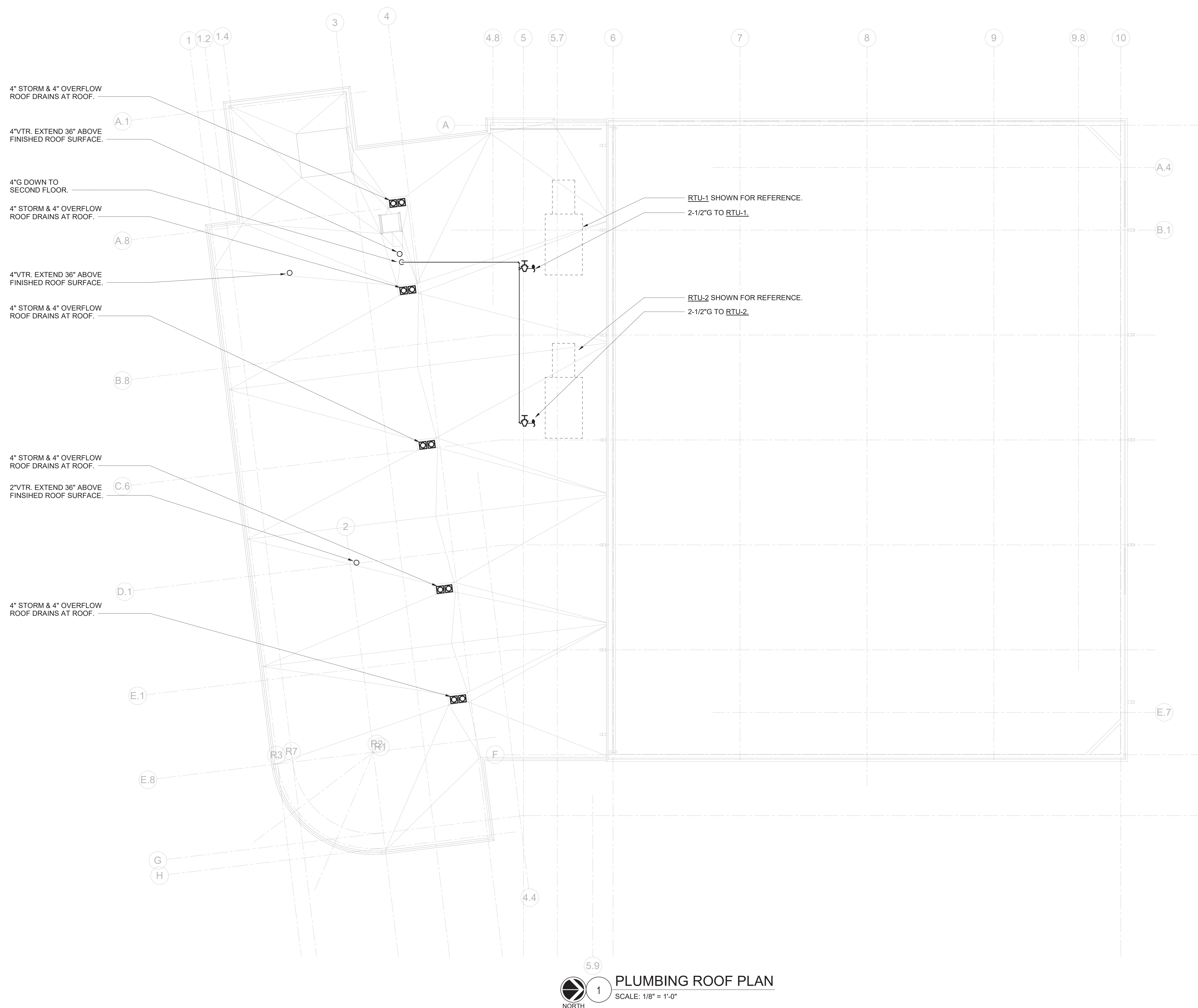
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PLUMBING ROOF PLAN

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Key Plan

Professional Seal

- ① WATER CLOSET P-1. PROVIDE 1-1/4" CW, 4"S, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ② 1-STATION LAVATORY P-2. PROVIDE 3/4" CW, 3/4" HW, 3/4" HW, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 2A 2-STATION LAVATORY P-2A. PROVIDE (2) 3/4" CW, (2) 3/4" HW, (2) 3/4" HW, (1) 2"W, AND (1) 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 2B 3-STATION LAVATORY P-2B. PROVIDE (3) 3/4" CW, (3) 3/4" HW, (3) 3/4" HW, 2"W, AND (1) 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ③ URINAL P-3. PROVIDE 1-1/4" CW, 4"S, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ④ SHOWER P-4. PROVIDE 3/4" CW, 3/4" HW, 3/4" HW, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 4A SHOWER P-4A. PROVIDE 3/4" CW, 3/4" HW, 3/4" HW, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑤ DRINKING FOUNTAIN DF. PROVIDE 3/4" CW, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 5A DRINKING FOUNTAIN DF-1. PROVIDE 3/4" CW, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑥ JANITOR SINK P-7. PROVIDE 3/4" CW, 3/4" HW, 3/4" HW, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑦ FLOOR DRAIN FD. PROVIDE 3" CW AND 2"V. TYPICAL.

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6
PLUMBING MEN 110 & WOMEN 109 - DOMESTIC WATER PLAN
 SCALE: 1/4" = 1'-0"

 4 PLUMBING MEN 110 & WOMEN 109 - SANITARY PLAN
SCALE: 1/4" = 1'-0"

[illegible][illegible]

05 - SANITARY PLAN

2"V DOWN IN WET WALL

2"V DOWN TO UNDERSLAB

D

8"OD TERMINATED THROUGH EXTERIOR WALL MINIMUM 18" ABOVE GRADE WITH 45 DEGREE FITTING. INSECT SCREEN, AND FLAPPER VALVE

4"V UP TO ROOF

E

HW-2, ROUTE T AND P VALVE TO FLOOR DRAIN.

HW-CP-1

NEW WORK KEY NOTES

- ① WATER CLOSET P-1. PROVIDE 1-1/4"CW, 4"S, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ② 1-STATION LAVATORY P-2. PROVIDE 3/4"CW, 3/4"HW, 3/4"HWR, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 2A 3-STATION LAVATORY P-2A. PROVIDE (2) 3/4"CW, (2) 3/4"HW, (2) 3/4"HWR, (1) 2"W, AND (1) 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 2B 3-STATION LAVATORY P-2B. PROVIDE (3) 3/4"CW, (3) 3/4"HW, (3) 3/4"HWR, (1) 2"W, AND (1) 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ③ URINAL P-3. PROVIDE 1-1/4"CW, 4"S, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ④ SHOWER P-4. PROVIDE 3/4"CW, 3/4"HW, 3/4"HWR, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 4A SHOWER P-4A. PROVIDE 3/4"CW, 3/4"HW, 3/4"HWR, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑤ DRINKING FOUNTAIN DF. PROVIDE 3/4"CW, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- 5A DRINKING FOUNTAIN DF-1. PROVIDE 3/4"CW, 2"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑥ JANITOR SINK P-7. PROVIDE 3/4"CW, 3/4"HW, 3/4"HWR, 3"W, AND 2"V. PROVIDE SHUT-OFF VALVES. TYPICAL.
- ⑦ FLOOR DRAIN FD. PROVIDE 3"W AND 2"V. TYPICAL.

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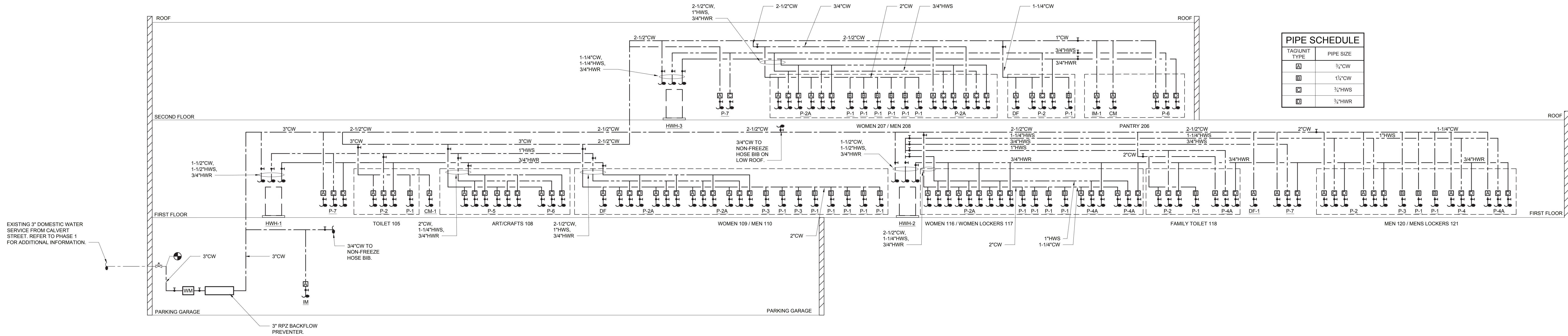


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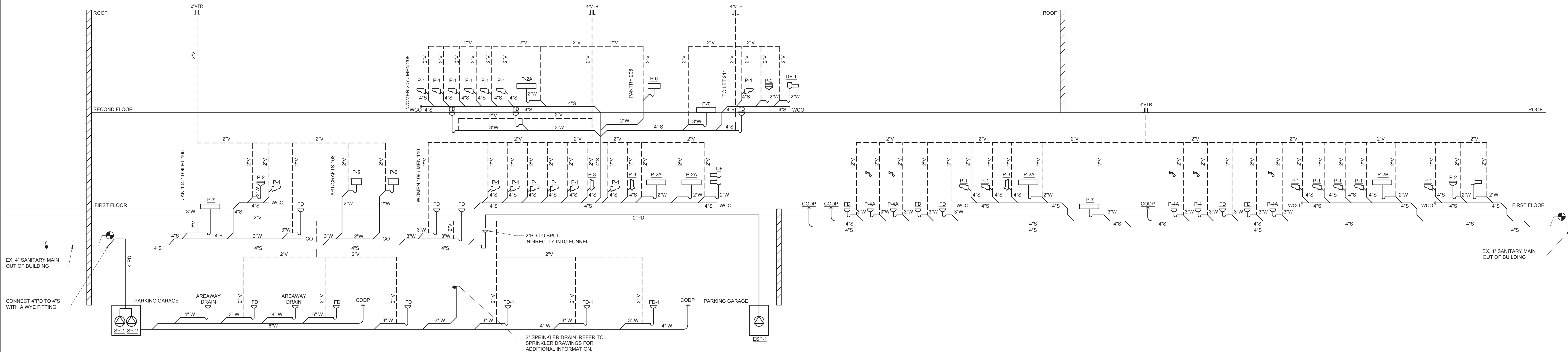
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2 DOMESTIC WATER RISER DIAGRAM
SCALE: NTS



1 SANITARY RISER DIAGRAM
SCALE: NTS



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3	01/16/2024	ISSUED FOR PERMIT
2	06/01/2020	DESIGN DEVELOPMENT
1	03/31/2020	50% DESIGN DEVELOPMENT

No. Date Issue

PLUMBING RISER
DIAGRAMS 1 OF 2

Job No. NKGD0207.00 Date 03/01/2024

Scale AS NOTED Drawn / Checked HM / RG

Sheet Number

P-501

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1	03/31/2020	50% DESIGN DEVELOPMENT

No. Date Issue

Sheet Title

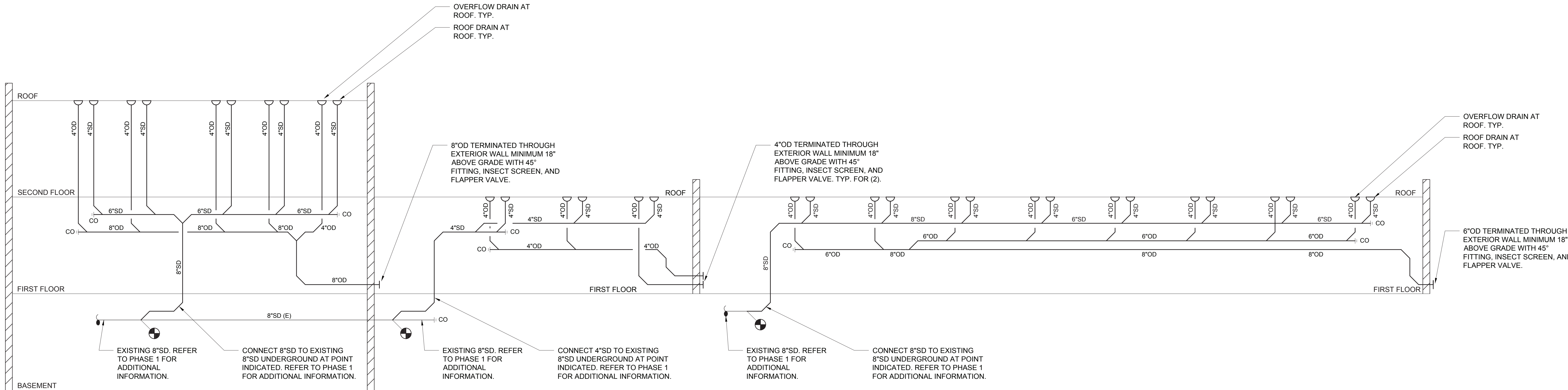
PLUMBING RISER
DIAGRAM 2 OF 2

Job No. NKGD0207.00 Date 03/01/2024

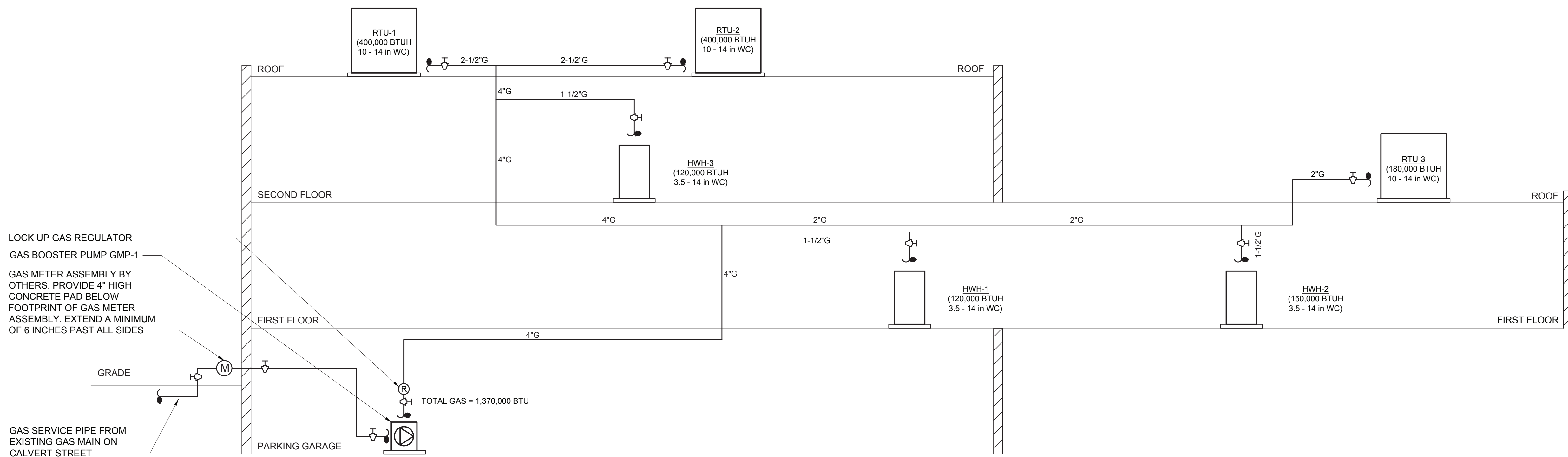
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Sheet Number

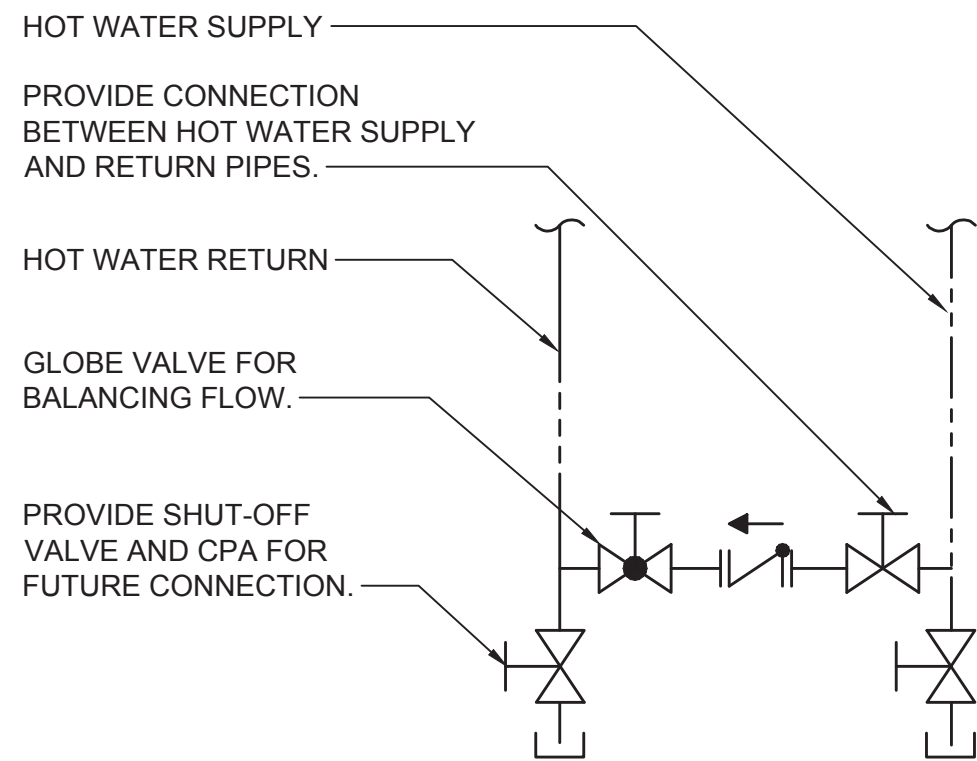
P-502



2 PLUMBING STORM RISER DIAGRAM
SCALE: NTS



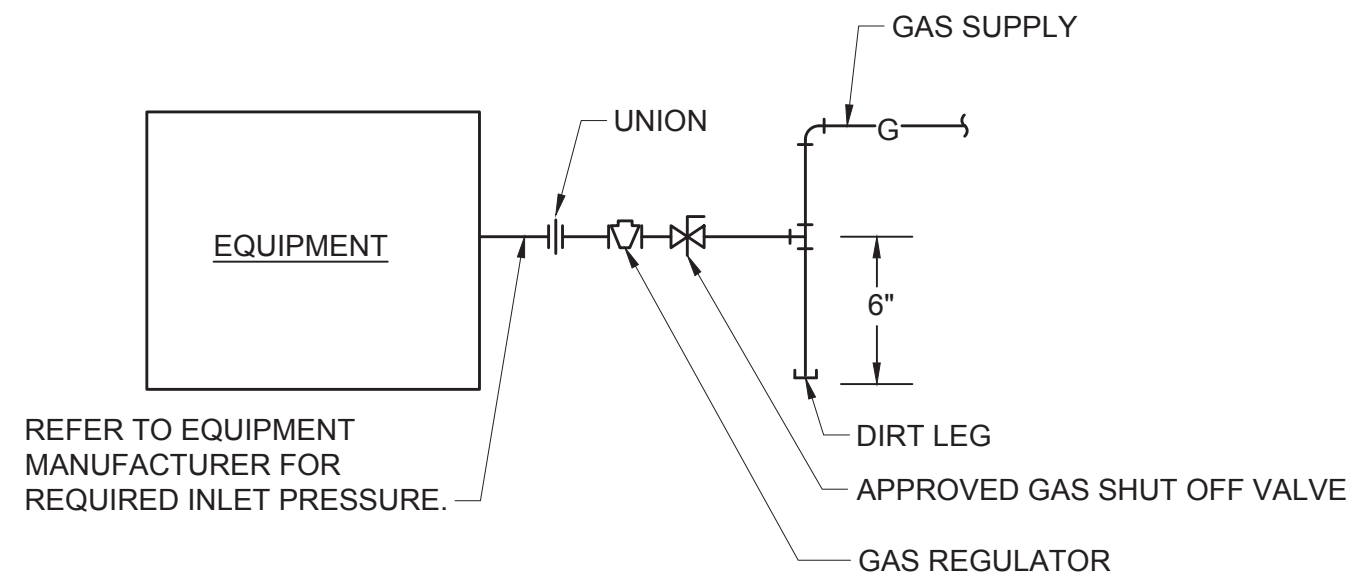
1 PLUMBING GAS RISER DIAGRAM
SCALE: NTS



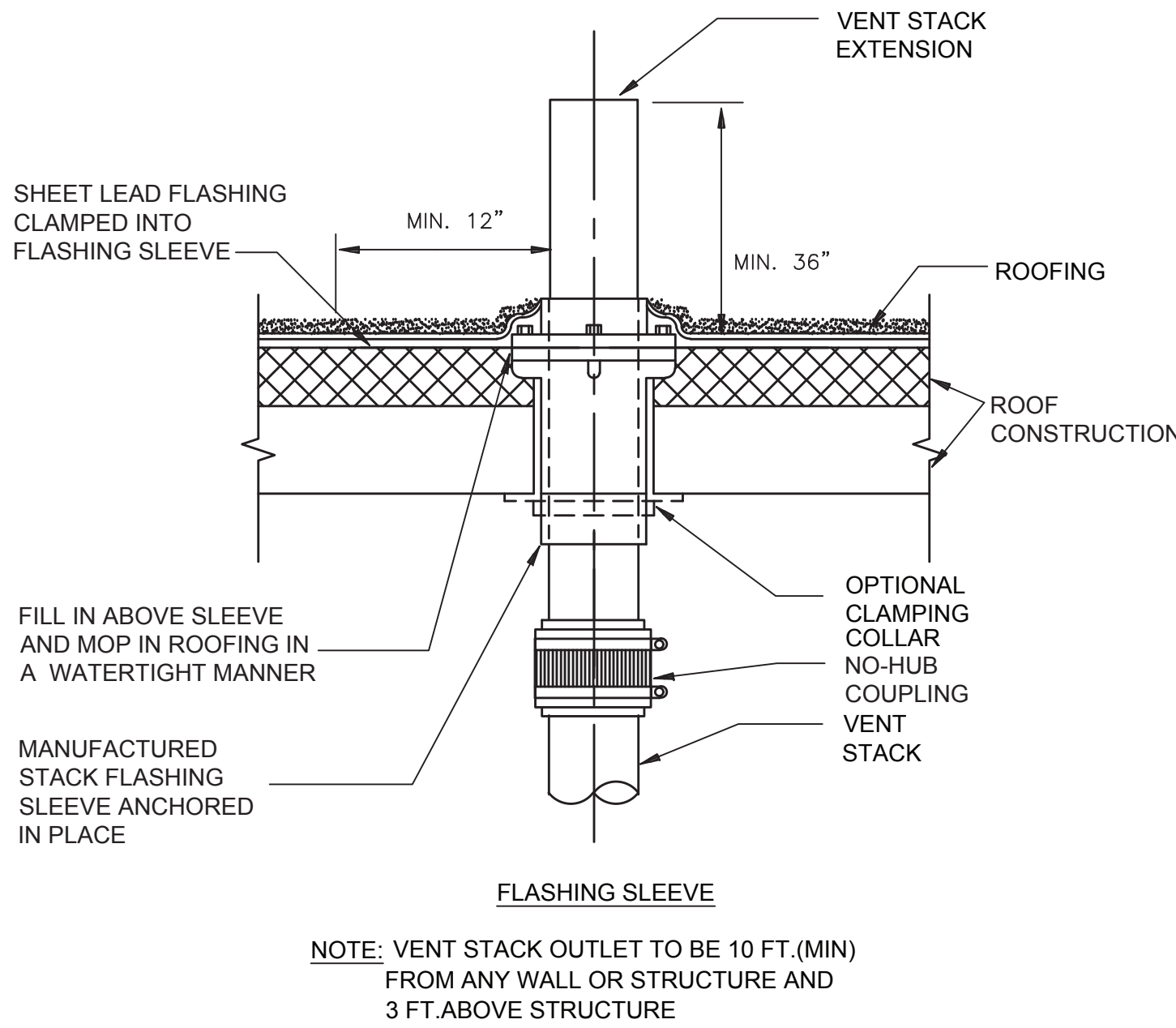
NOTE:
HOT WATER CIRCULATION CONNECTION SHALL BE LOCATED THROUGHOUT BUILDING AS REQUIRED TO ACHIEVE EFFICIENT HOT WATER SUPPLY

MAXIMUM PIPING LENGTH (FEET)		
NOMINAL PIPE SIZE (INCHES)	PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4	6	50
3/8	4	50
1/2	3	50
3/4	2	43
1	1	32
1 1/4	0.5	21

8 HOT WATER RECIRC CONNECTION DETAIL
SCALE: NONE

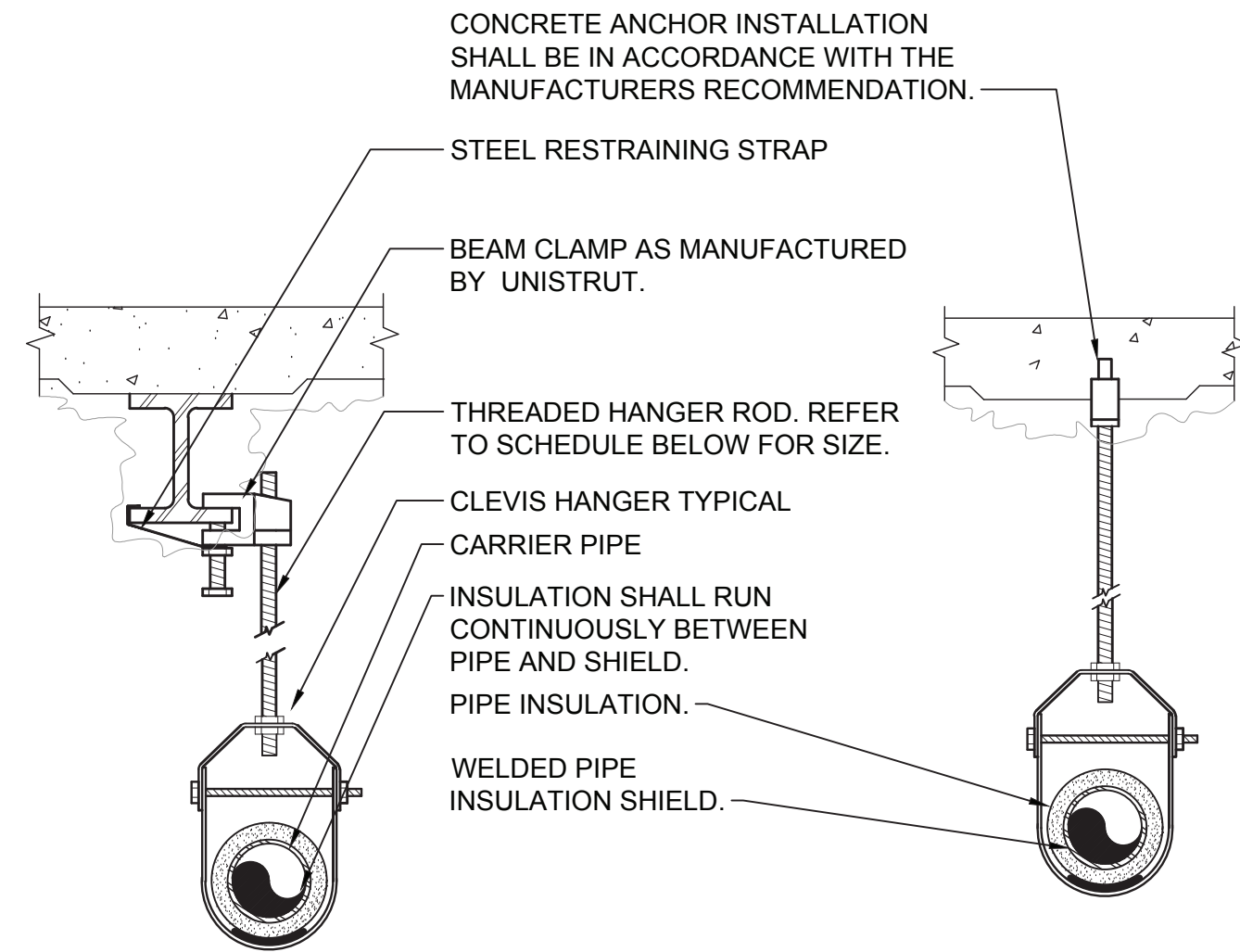


6 EQUIPMENT GAS CONNECTION SCHEMATIC
SCALE: NONE



NOTE: VENT STACK OUTLET TO BE 10 FT. (MIN) FROM ANY WALL OR STRUCTURE AND 3 FT. ABOVE STRUCTURE

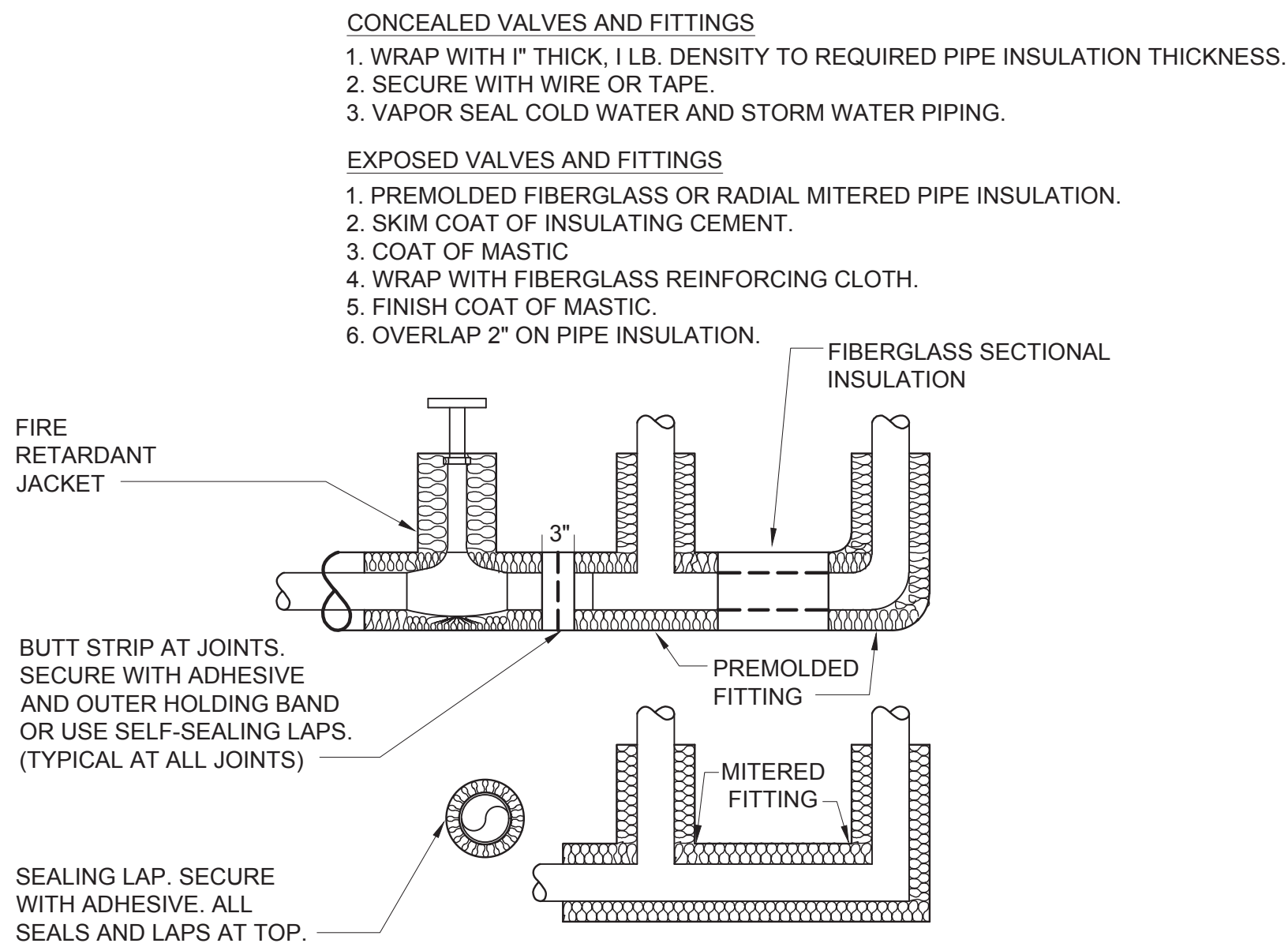
4 VENT THRU ROOF DETAIL
SCALE: NONE



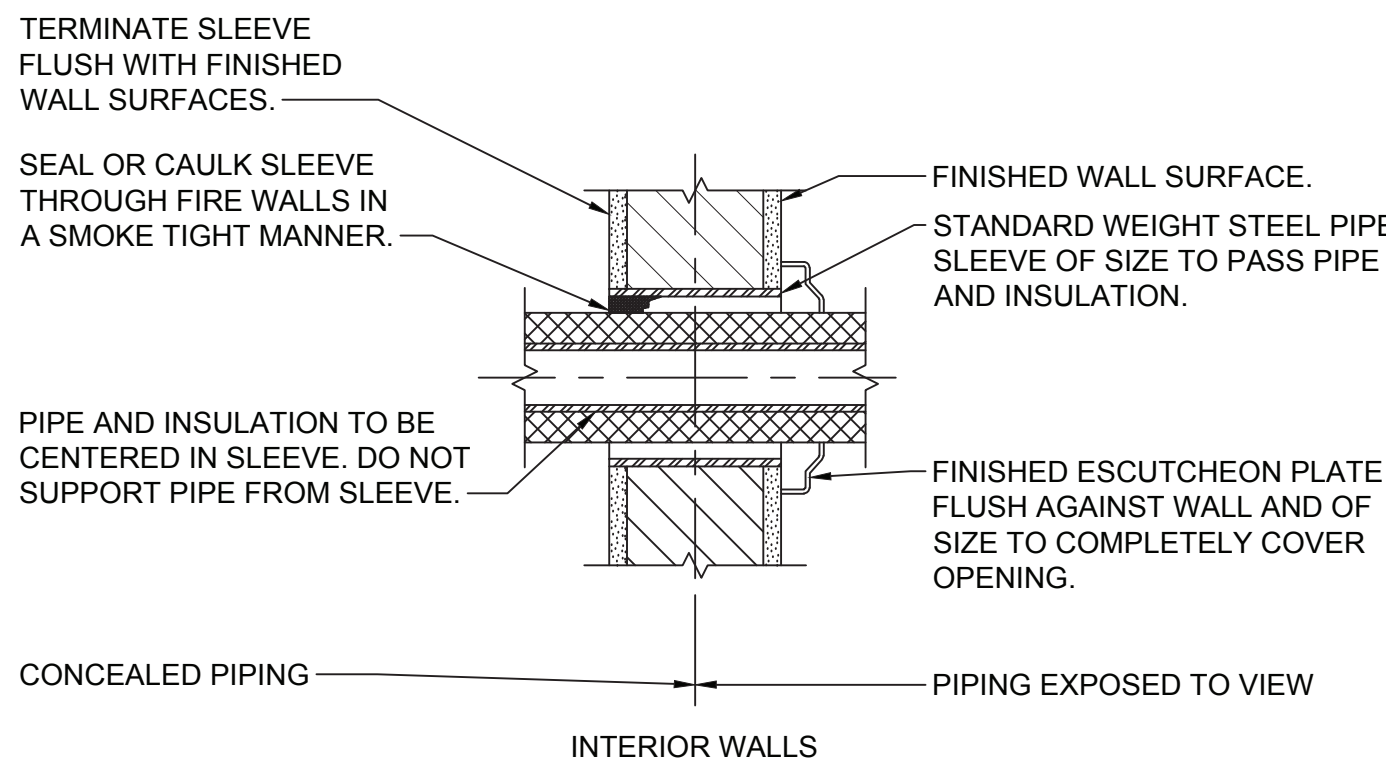
PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

- NOTES:
- CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
 - FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
 - FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
 - ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
 - FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
 - WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

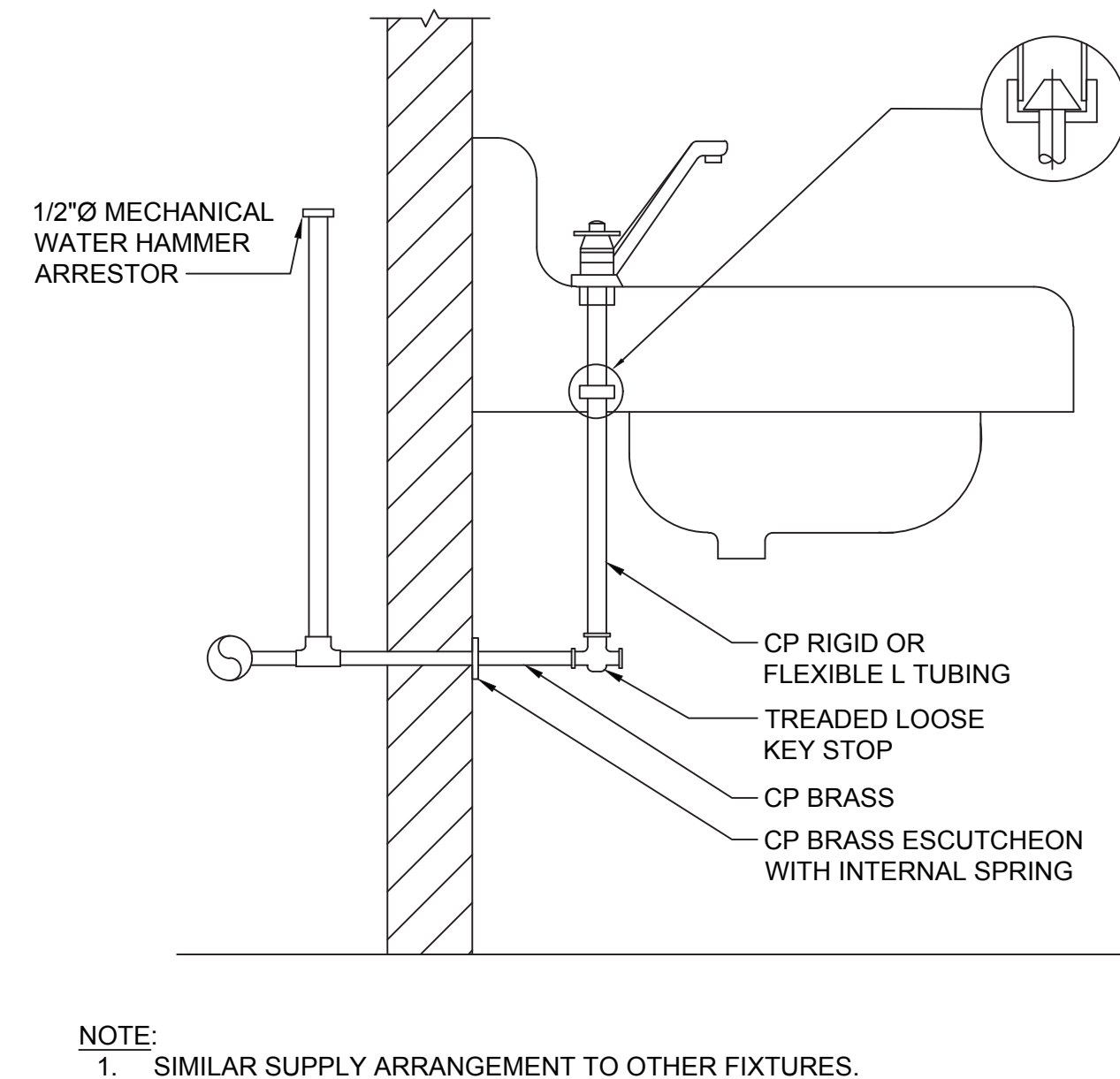
2 PIPE HANGER DETAIL
SCALE: NONE



7 PIPE INSULATION DETAIL
SCALE: NONE

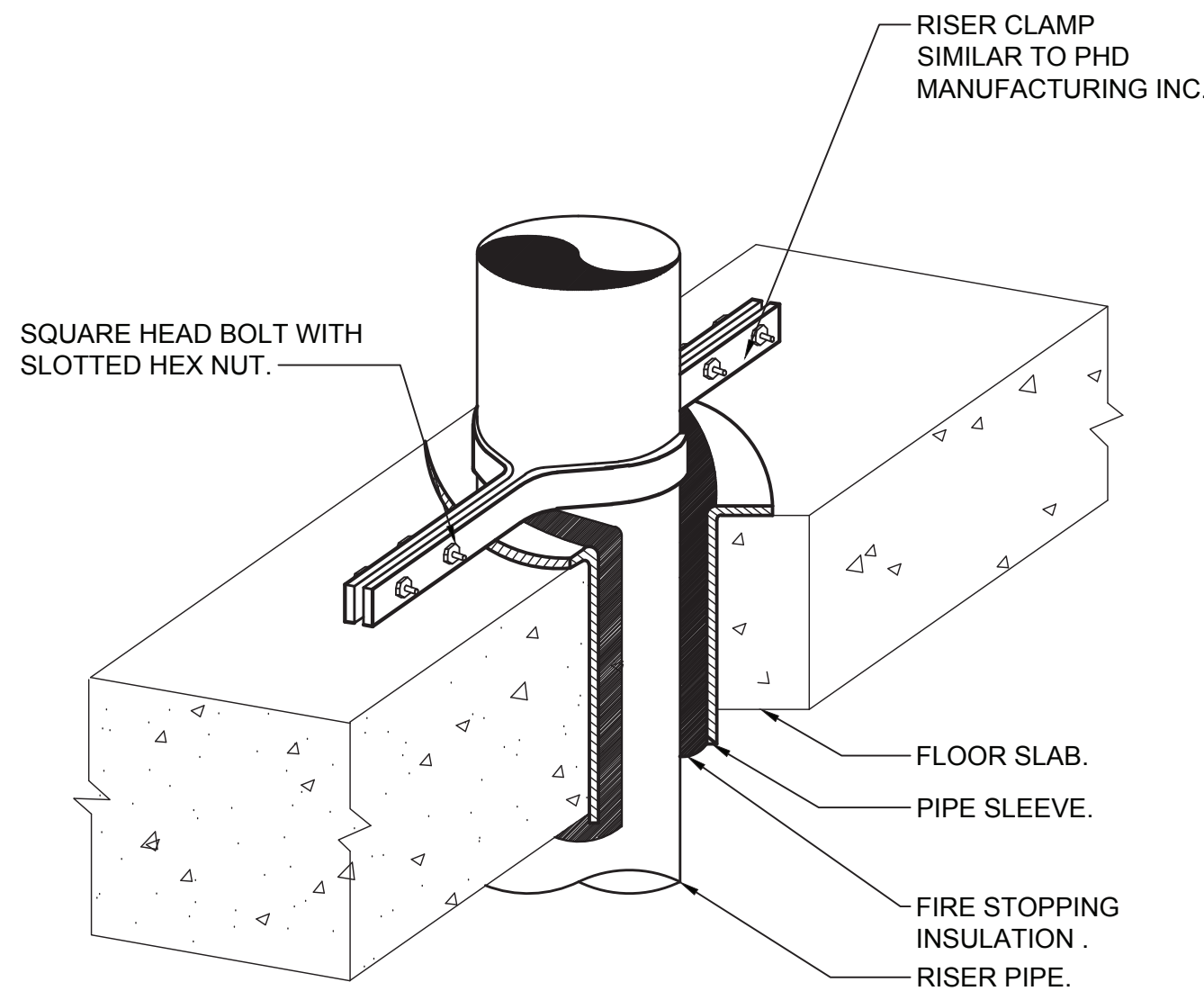


5 PIPE WALL SLEEVE DETAIL FOR INTERIOR WALLS
SCALE: NONE



NOTE:
1. SIMILAR SUPPLY ARRANGEMENT TO OTHER FIXTURES.

3 SUPPLY LAVATORY SUPPLY CONNECTION
SCALE: NONE



1 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE

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Sheet Title

PLUMBING DETAILS

Job No. NKGD0207.00	Date 03/01/2024
Scale AS NOTED	Drawn / Checked HM / RG

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