

| PLUMBING FIXTURE SCHEDULE | | | | | | | | | |
|---------------------------|---------|-----------|----------------------------|----------------------|------|------------|-----------|--|--|
| 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 1/2" WATER SURFACE AREA FLUSH VALVE: AMERICAN STANDARD SELECTRONIC #6065.161 002 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: 6065013.002, 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: 4LSS24038A75"FB 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: 4LSS2633A75"FB 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: EWM4820C 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: LRAD21955 FAUCET: MAKE: ELKAY MODEL: LK406GN05T4 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: ZS650 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 GS 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: UC-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: 208V/60/1 | |
| DF | | | DRINKING FOUNTAIN | 2" | 2" | 3/4" | - | MANUFACTURER: ELKAY MODEL: L25TBWSLK 62H20 BOTTLE FILLING STATION AND 84-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/PHz: 115V/160, FLA=6 | |
| DF-1 | | | DRINKING FOUNTAIN | 2" | 2" | 3/4" | - | MANUFACTURER: ELKAY MODEL: L25TBWSLK 62H20 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/PHz: 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-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST IRON TOP FOR MECHANICAL ROOMS. COPD IN GARAGE 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 21600 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 21600 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.

| SYMBOLS AND ABBREVIATIONS | | |
|---------------------------|--------------|-----------------------------|
| SYMBOL | ABBREVIATION | DESCRIPTION |
| - | AFF | ABOVE FINISHED FLOOR |
| - | AHC | ABOVE HUNG CEILING |
| - | BFP | BACK FLOW PREVENTOR |
| ● | - | BALL VALVE |
| ⊔ | - | BASKET STRAINER |
| ⊕ | - | BUTTERFLY VALVE |
| ∇ | - | CHECK VALVE |
| ⊞ | - | CIRCUIT SETTER |
| ⊞ | CODP | CLEAN OUT DECK PLATE |
| ∇ | CW | COLD WATER |
| ∇ | - | CONCENTRIC REDUCER |
| ∇ | DCV | DOUBLE CHECK VALVE - BFP |
| ∇ | - | ECCENTRIC REDUCER |
| ∇ | - | ELBOW DOWN |
| ∇ | - | ELBOW UP |
| - | DEM. | EXISTING TO BE REMOVED |
| - | EX. | EXISTING TO REMAIN |
| ⊞ | - | FLEXIBLE CONNECTION |
| ⊞ | FCO | FLOOR CLEAN OUT |
| - | FS | FLOOR SINK |
| - | - | FLOW ARROW |
| - | FAI | FRESH AIR INTAKE |
| ⊕ | - | GATE VALVE |
| ⊕ | - | GLOBE VALVE |
| - | HW | HOT WATER |
| - | HW HTR | HOT WATER HEATER |
| - | HWC | HOT WATER RECIRCULATION |
| - | LDR | LEADER |
| - | - | MANUAL AIR VENT |
| - | NEW | NEW WORK |
| ⊕ | - | OS&Y GATE VALVE |
| ⊕ | - | PLUG VALVE |
| ⊕ | - | PIPE CAP |
| ⊕ | - | PRESSURE GAGE |
| ⊕ | - | PRESSURE REDUCING VALVE |
| ⊕ | - | PUMP |
| - | PD | PUMP DISCHARGE |
| - | RPZ | REDUCED PRESSURE ZONE - BFP |
| - | REL. | REMOVE AND RELOCATE |
| - | S | SANITARY |
| ⊕ | - | SOLENOID VALVE |
| ⊕ | - | STRAINER |
| ⊕ | SD | STORM DRAINAGE |
| ⊕ | - | TEE DOWN |
| ⊕ | - | TEE UP |
| ⊕ | - | THERMOMETER |
| - | TYP. | TYPICAL |
| ⊕ | - | T&P RELIEF VALVE |
| ⊕ | - | UNION |
| - | V | VENT |
| - | VTR | VENT THROUGH ROOF |
| - | WCO | WALL CLEAN OUT |
| - | W | WASTE LINE |

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

| PLUMBING MATERIALS | | |
|--------------------|--|--|
| 1. | ALL PIPING BURIED BELOW THE GARAGE SLAB SHALL BE HIGH PERFORMANCE HUB & SPIGOT SERVICE WEIGHT CAST IRON CHARLOTTE PIPE "EDGE HP IRON" ATSM A74, CISPI TMINSF, EN 877 COMPRESSION GASKETS ASTM C564 OR LEAD & OAKUM. REFER TO SPECIFICATIONS 221316 | |

| GENERAL NOTES | | |
|---------------|---|--|
| 1. | THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST. | |
| 2. | THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES, IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY. | |
| 3. | THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES. | |
| 4. | CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS. | |
| 5. | PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES. | |
| 6. | ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. | |

| GENERAL NOTES | | |
|---------------|--|--|
| 7. | PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR. | |
| 8. | PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2 1/2". | |
| 9. | NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS. | |
| 10. | PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED. | |
| 11. | PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES. | |
| 12. | ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR. | |
| 13. | PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE. | |
| 14. | PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS AS REQUIRED. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION. | |
| 15. | THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK. | |
| 16. | SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION. | |
| 17. | ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE. | |
| 18. | THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA. | |

| EQUIPMENT NOTES | | |
|-----------------|---|--|
| 1. | NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-1): SHALL BE BASED ON AO SMITH MODEL BTH-120 MXI, RATED FOR 138 GPH @ 100° RISE, GAS FIRED, 120,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 95.8% | |
| 2. | NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-2): SHALL BE BASED ON AO SMITH MODEL BTH-150 MXI, RATED FOR 178 GPH @ 100° RISE, GAS FIRED, 150,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 98.8% | |
| 3. | NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-3): SHALL BE BASED ON AO SMITH MODEL BTH-120 MXI, RATED FOR 138 GPH @ 100° RISE, GAS FIRED, 120,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 95.8% | |
| 4. | ELEVATOR SUMP PUMP, (ESP-1), TO BE BASED ON STANCOR MODEL SE50 PUMP, 0.5 HP, 115V-1 PHASE-60 HERTZ, 8 FLA, 55 GPM @ 20 FEET HEAD AND 3450 RPM, 40A LOCKED ROTOR AMPS, 33 FEET MAX. SUBMERGENCE. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA4X WATERTIGHT CORROSION RESISTANT FIBERGLASS. | |
| 5. | SUMP PUMP, (SP-1) AND (SP-2), TO BE BASED ON STANCOR MODEL SV500 PUMP, 5 HP, 208V-3 PHASE-60 HERTZ, 16.6 FLA, 210 GPM @ 35 FEET HEAD AND 3450 RPM, 83A LOCKED ROTOR AMPS, 33 FEET MAX. SUBMERGENCE. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA4X WATERTIGHT CORROSION RESISTANT FIBERGLASS. | |
| 6. | LD-1 SPOT TYPE LEAK DETECTORS SHALL BE LIEBERT MODEL LT-410. PROVIDE 100 WATT LOW-VOLTAGE TRANSFORMER. PROVIDE CONNECTION TO BMS FOR LD ALARM. | |
| 7. | DOMESTIC HOT WATER HEATER RECIRCULATION PUMP, (HWCP-1): SHALL BE BASED ON BELL AND GOSSETT MODEL PL-55 RATED FOR 1-GPM AT 40' TDH, 2/5 HP, 120V/160HZ. MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. | |
| 8. | 3" DOMESTIC WATER BACKFLOW PREVENTION ASSEMBLY: SHALL BE WATTS MODEL LF009 LEAD FREE REDUCED PRESSURE ZONE BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES AND FOUR BALL TYPE TEST COCKS. THE 3" DOMESTIC WATER BACKFLOW PREVENTER SHALL BE PROVIDED WITH WATTS AIR GAP / SPLASH GUARD. | |
| 9. | 6" FIRE PROTECTION BACKFLOW PREVENTION ASSEMBLY: SHALL BE WATTS SERIES 709DCD DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES AND TWO BALL TYPE TEST COCKS. | |
| 10. | WATER METER: SHALL BE BASED ON ELSTER EVOQA METER, 3" SIZE. FINAL WATER METER AND SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED AND APPROVED BY THE WATER UTILITY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION, AND ALL RELATED WATER DEPARTMENT FEES. | |
| 11. | ALL DOMESTIC, SANITARY, AND STORM PIPING ROUTED EXPOSED WITHIN GARAGE SHALL BE HEAT TRACED COMPLETE, INCLUDING A MINIMUM OF 3" INTO THE TEMPERED SPACES. PIPING SHALL BE INSULATED COMPLETE AND WRAPPED WITH PVC JACKETING. | |
| 12. | COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL LOCATION, TYPE, AND QUANTITY OF FIXTURES AND ROOF DRAINS THROUGHOUT THE BUILDING. | |
| 13. | COORDINATE WITH SITE ENGINEER DRAWINGS FOR FINAL LOCATION, TYPE, AND QUANTITY OF ROADWAY DRAINS. | |
| 14. | ALL PIPING INCLUDING HANGERS/SUPPORTS WITHIN THE GARAGE SHALL BE ROUTED AS HIGH AS POSSIBLE TO MAINTAIN VEHICLE CLEARANCE THROUGHOUT. REFER TO ARCHITECTURAL DRAWINGS FOR MINIMUM ELEVATIONS. | |
| 15. | THE PLUMBING CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING EQUIPMENT, DUCTWORK, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, DIFFUSERS, GRILLES, AND ALL RCP ELEMENTS, ETC. | |
| 16. | PROVIDE TRAP AND VALVE GUARDS AT ALL LAVATORIES WITH EXPOSED PIPING SIMILAR TO TRUEBRO P-TRAP AND TWO (2) VALVE COVERS WITH VINYL COVER. | |
| 17. | GAS BOOSTER PUMP (GMP-1): SHALL BE ACCARDI COMPAC HB4615-1. SYSTEM SHALL BE A PACKAGE HERMETICALLY SEALED SYSTEM THAT INCLUDES AUTO FLOW CONTROL, INTEGRAL VFD, NEMA 4 PANEL, NEMA 4 LOW PRESSURE SWITCH, INLET AND OUTLET ISOLATION VALVES, FLEXIBLE CONNECTIONS, INLET AND OUTLET PRESSURE GAUGES, AND CHECK VALVE. SYSTEM SHALL BE CAPABLE OF DELIVERING A VARIABLE VOLUME OF NATURAL GAS OF 1,370 CFH WHILE PROVIDING A CONSTANT ELEVATED DIFFERENTIAL GAS PRESSURE OF 11" WC. | |

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New Construction - Phase 2
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270 Harrison Avenue
Harrison, NY 10528

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CONSTRUCTION DOCUMENTS

| No. | Date | Issue |
|-----|------------|------------------------|
| 4 | 06/05/2024 | ISSUED FOR BID |
| 3 | 01/16/2024 | ISSUED FOR PERMIT |
| 2 | 06/01/2020 | DESIGN DEVELOPMENT |
| 1 | 03/31/2020 | 50% DESIGN DEVELOPMENT |

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Professional Seal

PLUMBING SYMBOLS, ABBREVIATIONS, & NOTES

Job No. NKGD0207.00 Date 03/01/2024
Scale AS NOTED Drawn / Checked HM / RG
Sheet Number **P-001**

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Key Plan

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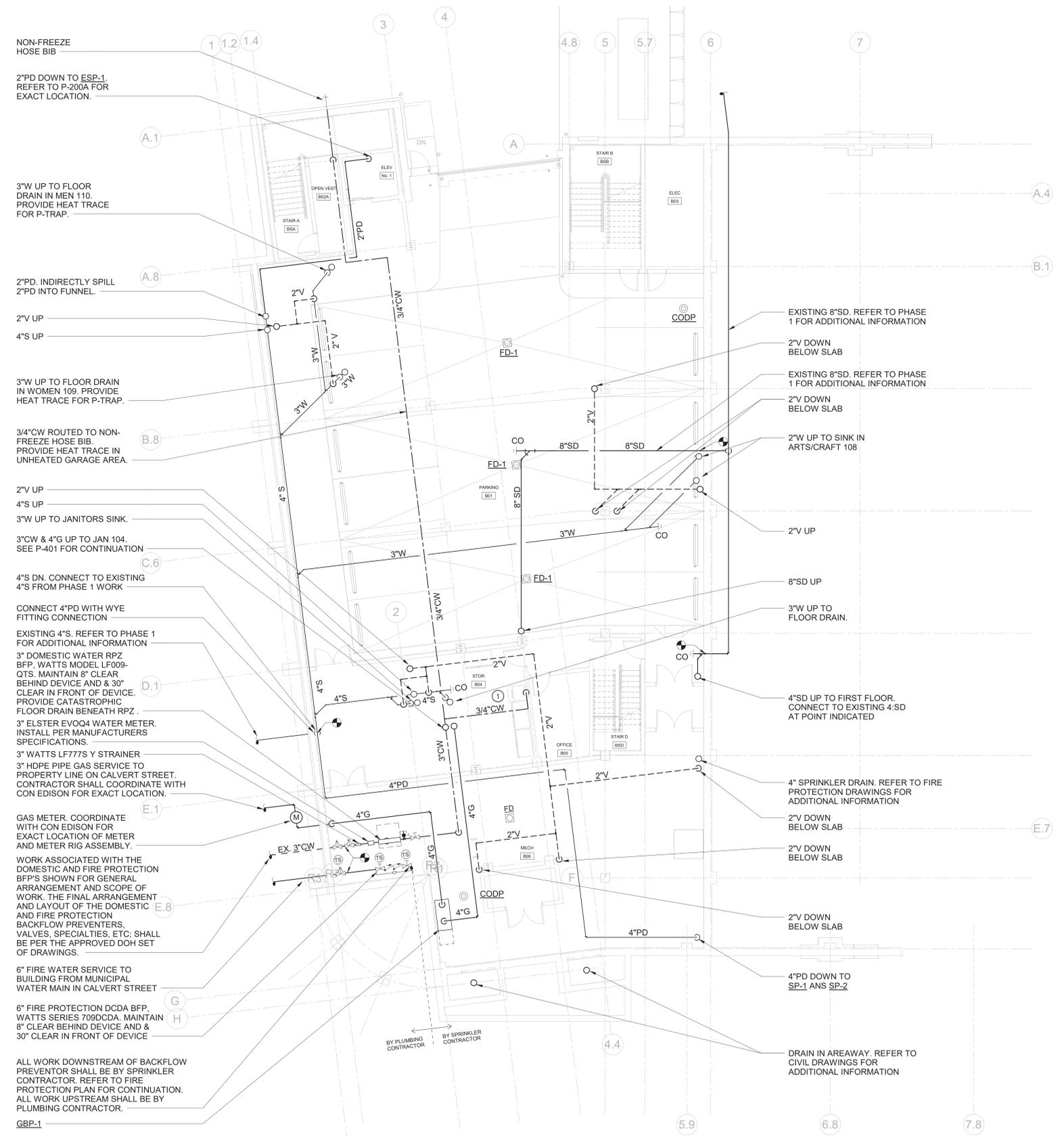
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| 2 | 09/01/2023 | DESIGN DEVELOPMENT |
| 1 | 03/13/2020 | 50% DESIGN DEVELOPMENT |

PLUMBING PARKING FLOOR PLAN

| | |
|--------------|-----------------|
| Job No. | Date |
| Scale | Drawn / Checked |
| Sheet Number | Issue |

P-201



NON-FREEZE HOSE BIB
2"PD DOWN TO ESP-1. REFER TO P-200A FOR EXACT LOCATION.

3"W UP TO FLOOR DRAIN IN MEN 110. PROVIDE HEAT TRACE FOR P-TRAP.

2"PD. INDIRECTLY SPILL. 2"PD INTO FUNNEL.

2"V UP
4"S UP

3"W UP TO FLOOR DRAIN IN WOMEN 109. PROVIDE HEAT TRACE FOR P-TRAP.

3/4"CW ROUTED TO NON-FREEZE HOSE BIB. PROVIDE HEAT TRACE IN UNHEATED GARAGE AREA.

2"V UP
4"S UP
3"W UP TO JANITORS SINK.
3"CW & 4"G UP TO JAN 104. SEE P-401 FOR CONTINUATION.

4"S DN. CONNECT TO EXISTING 4"S FROM PHASE 1 WORK

CONNECT 4"PD WITH WYE FITTING CONNECTION
EXISTING 4"S. REFER TO PHASE 1 FOR ADDITIONAL INFORMATION

3" DOMESTIC WATER RPZ BFP. WATTS MODEL LF009-QTS. MAINTAIN 8" CLEAR BEHIND DEVICE AND 30" CLEAR IN FRONT OF DEVICE. PROVIDE CATASTROPHIC FLOOR DRAIN BENEATH RPZ.

3" ELSTER EVOQ4 WATER METER. INSTALL PER MANUFACTURERS SPECIFICATIONS.

3" WATTS LF777S Y STRAINER
3" HDPE PIPE GAS SERVICE TO PROPERTY LINE ON CALVERT STREET. CONTRACTOR SHALL COORDINATE WITH CON EDISON FOR EXACT LOCATION.

GAS METER. COORDINATE WITH CON EDISON FOR EXACT LOCATION OF METER AND METER RIG ASSEMBLY.

WORK ASSOCIATED WITH THE DOMESTIC AND FIRE PROTECTION BFP'S SHOWN FOR GENERAL ARRANGEMENT AND SCOPE OF WORK. THE FINAL ARRANGEMENT AND LAYOUT OF THE DOMESTIC AND FIRE PROTECTION BACKFLOW PREVENTERS, VALVES, SPECIALTIES, ETC. SHALL BE PER THE APPROVED DOH SET OF DRAWINGS.

6" FIRE WATER SERVICE TO BUILDING FROM MUNICIPAL WATER MAIN IN CALVERT STREET

6" FIRE PROTECTION DODA BFP. WATTS SERIES 709D-CDA. MAINTAIN 8" CLEAR BEHIND DEVICE AND 30" CLEAR IN FRONT OF DEVICE

ALL WORK DOWNSTREAM OF BACKFLOW PREVENTOR SHALL BE BY SPRINKLER CONTRACTOR. REFER TO FIRE PROTECTION PLAN FOR CONTINUATION. ALL WORK UPSTREAM SHALL BE BY PLUMBING CONTRACTOR.

GBP-1



1 PLUMBING PARKING FLOOR PLAN
SCALE: 1/8" = 1'-0"

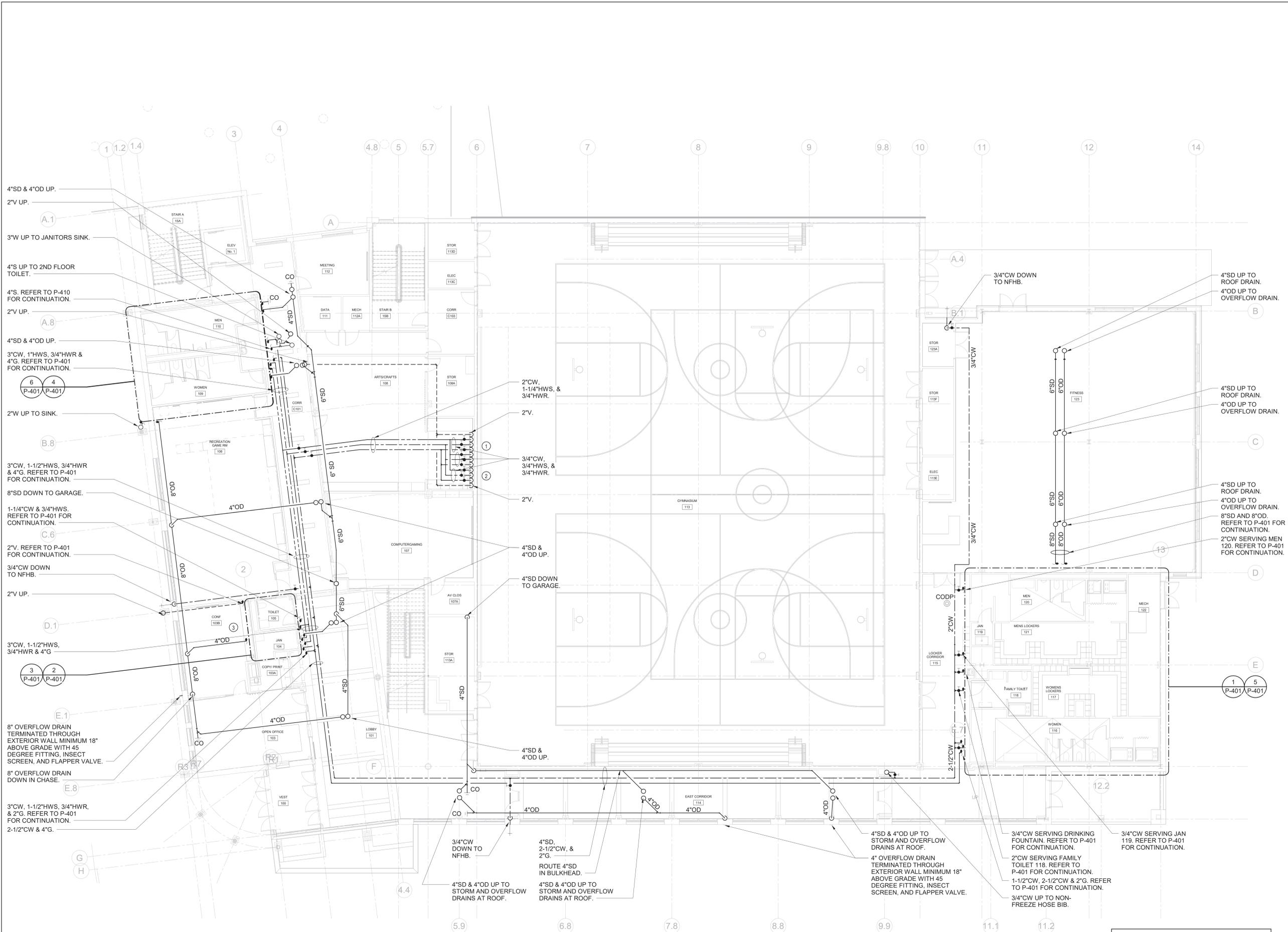
NEW WORK KEY NOTES

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

| | | |
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| 1 | 03/12/2020 | 50% DESIGN DEVELOPMENT |

PLUMBING FIRST FLOOR PLAN

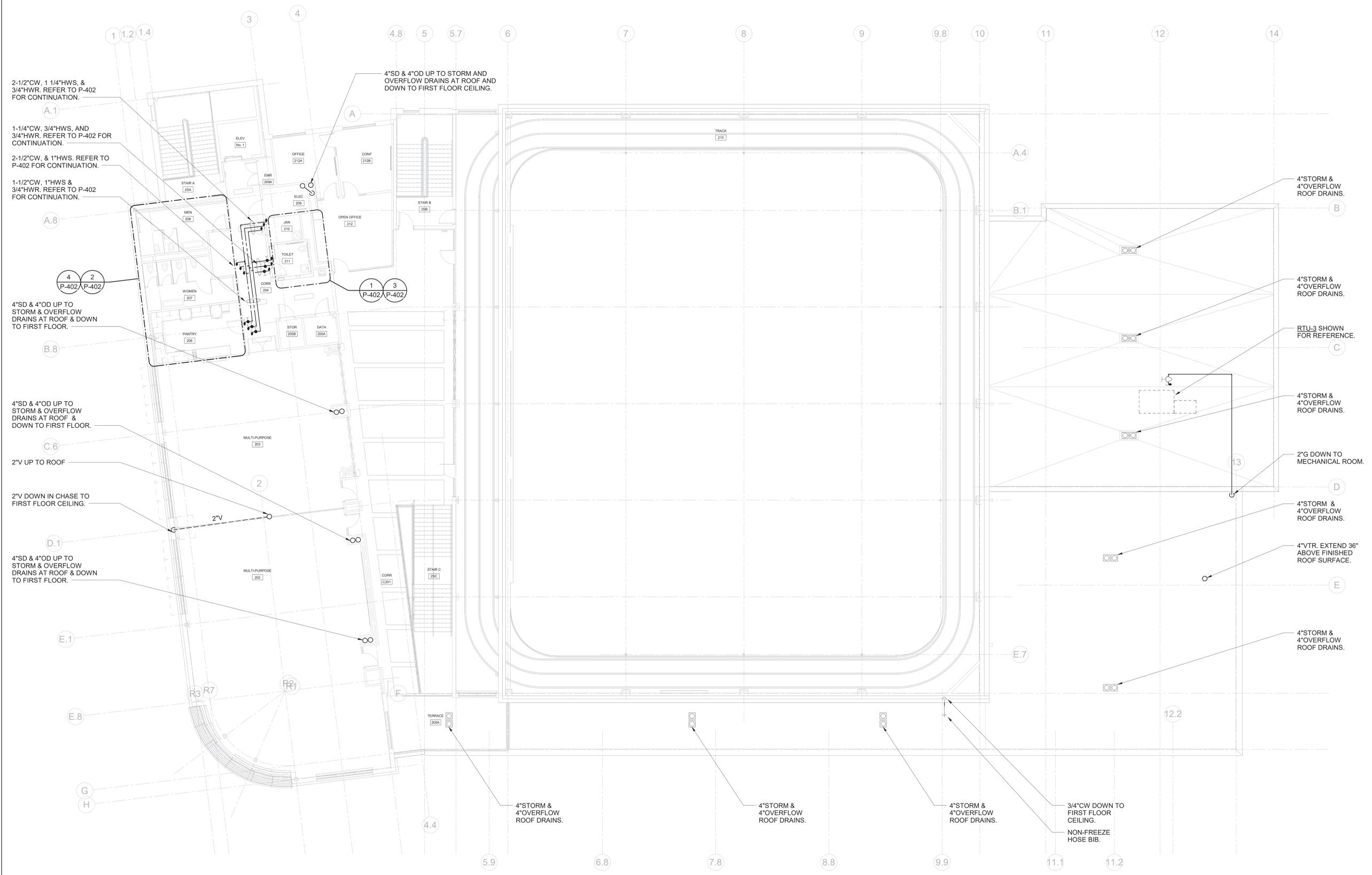
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| Job No. | NKGD0207.00 | Date | 02/16/2024 |
| Scale | AS NOTED | Drawn / Checked | HM / RG |
| Sheet Number | P-202 | | |



- 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.

PLUMBING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"





4" STORM & 4" OVERFLOW ROOF DRAINS.
 4" STORM & 4" OVERFLOW ROOF DRAINS.
 BTU-3 SHOWN FOR REFERENCE.
 4" STORM & 4" OVERFLOW ROOF DRAINS.
 2" G DOWN TO MECHANICAL ROOM.
 4" STORM & 4" OVERFLOW ROOF DRAINS.
 4" VTR. EXTEND 36" ABOVE FINISHED ROOF SURFACE.
 4" STORM & 4" OVERFLOW ROOF DRAINS.

Key Plan

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| 1 | 03/13/2020 | 50% DESIGN DEVELOPMENT |

Sheet Title

PLUMBING SECOND FLOOR PLAN

| | |
|--------------|-----------------|
| Job No. | Date |
| NKGD0207.00 | 01/24/2024 |
| Scale | Drawn / Checked |
| AS NOTED | HM / RG |
| Sheet Number | |
| P-203 | |

1 PLUMBING SECOND FLOOR PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

**HARRISON
RECREATION &
COMMUNITY
CENTER**

New Construction - Phase 2
Town / Village of Harrison
270 Harrison Avenue
Harrison, NY 10528

KG+D listen
imagine
build
KG+D ARCHITECTS, PC
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Key Plan

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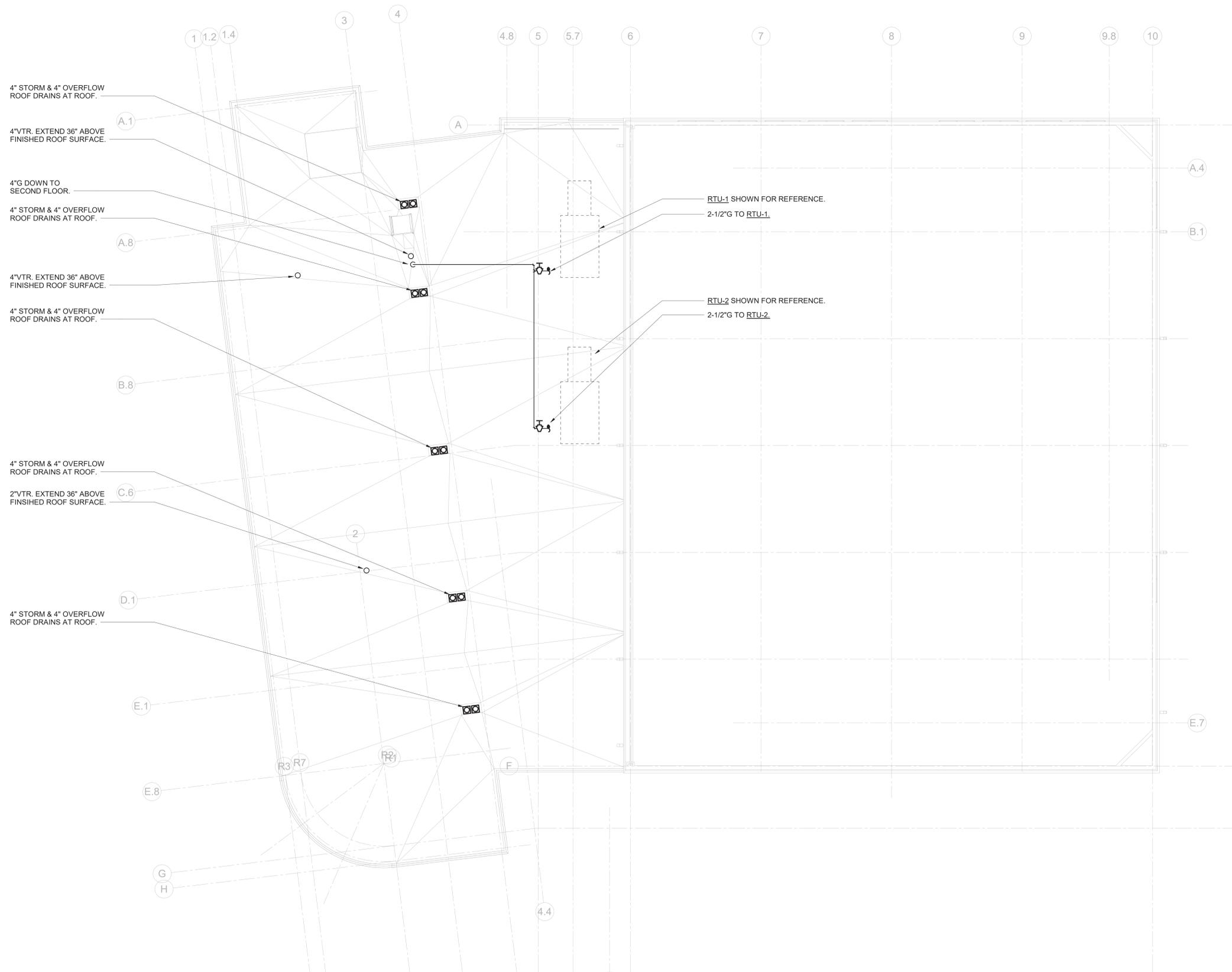
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**PLUMBING ROOF
PLAN**

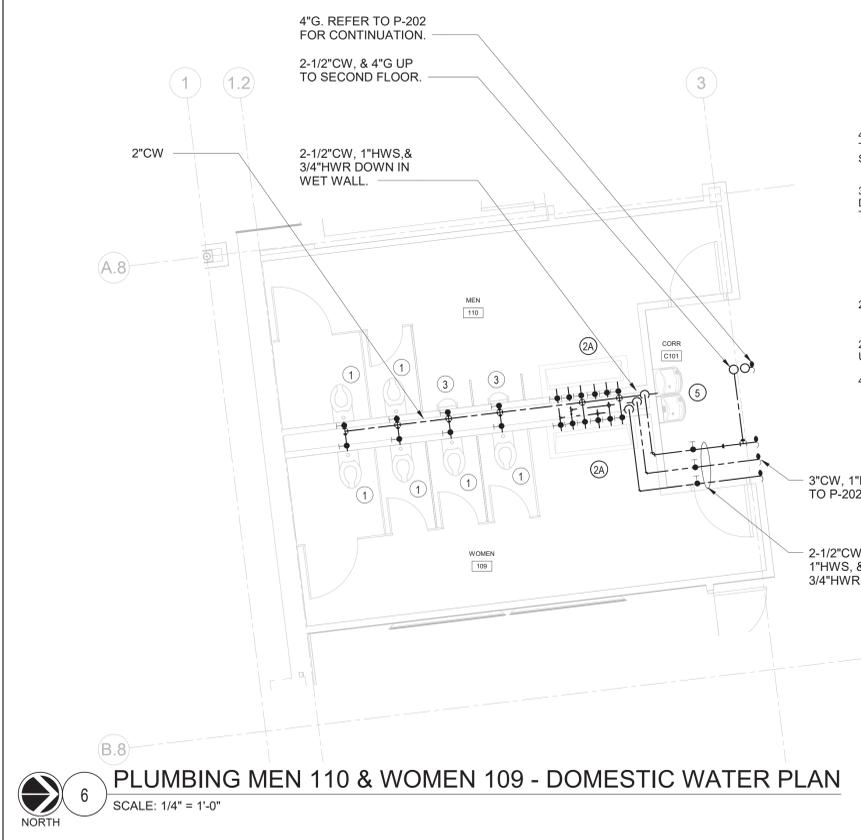
Job No. NKGD0207.00 Date 02/16/2024
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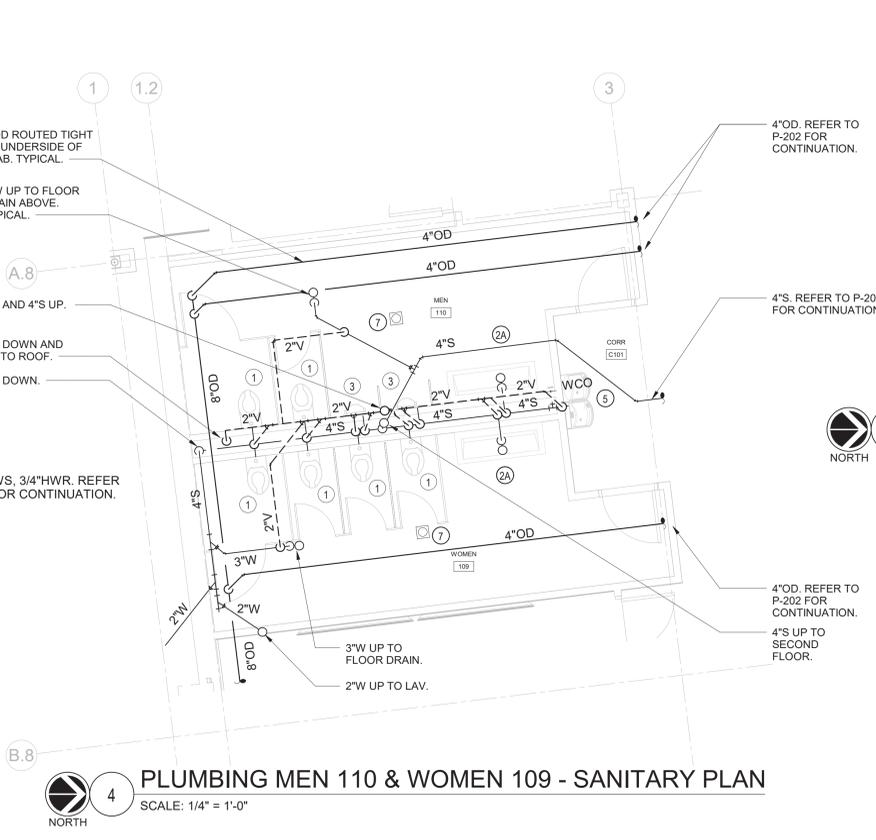
P-204



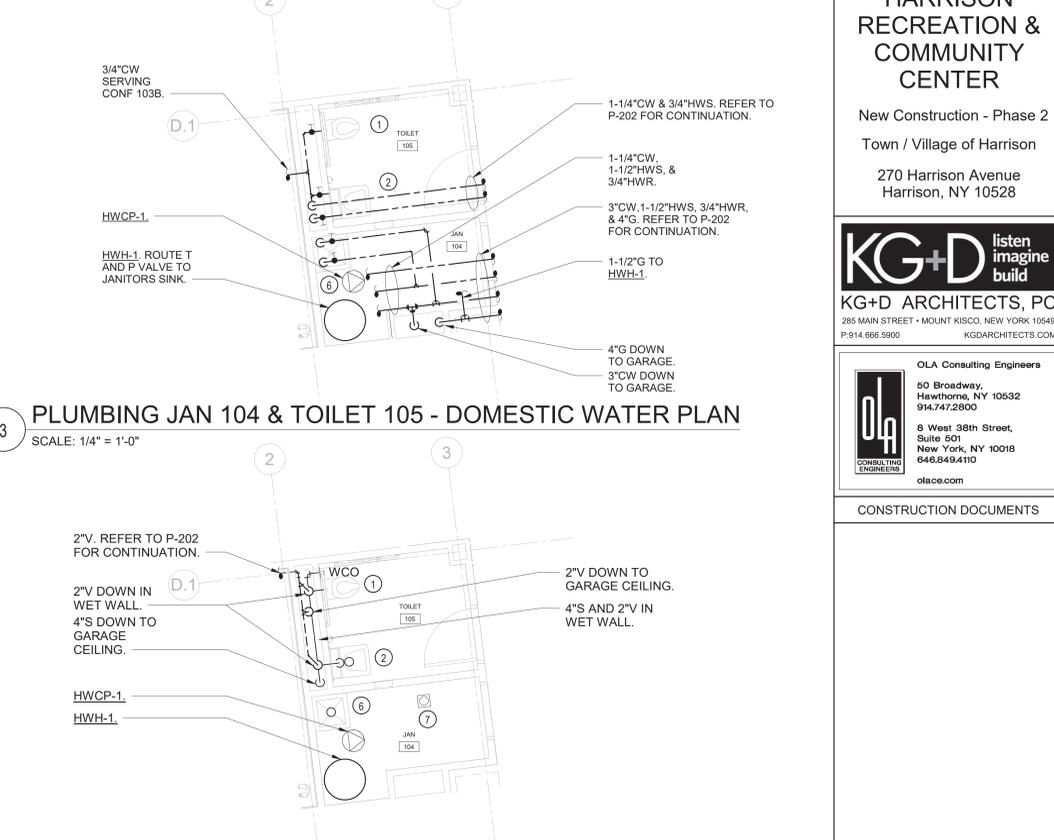
1 PLUMBING ROOF PLAN
SCALE: 1/8" = 1'-0"
NORTH



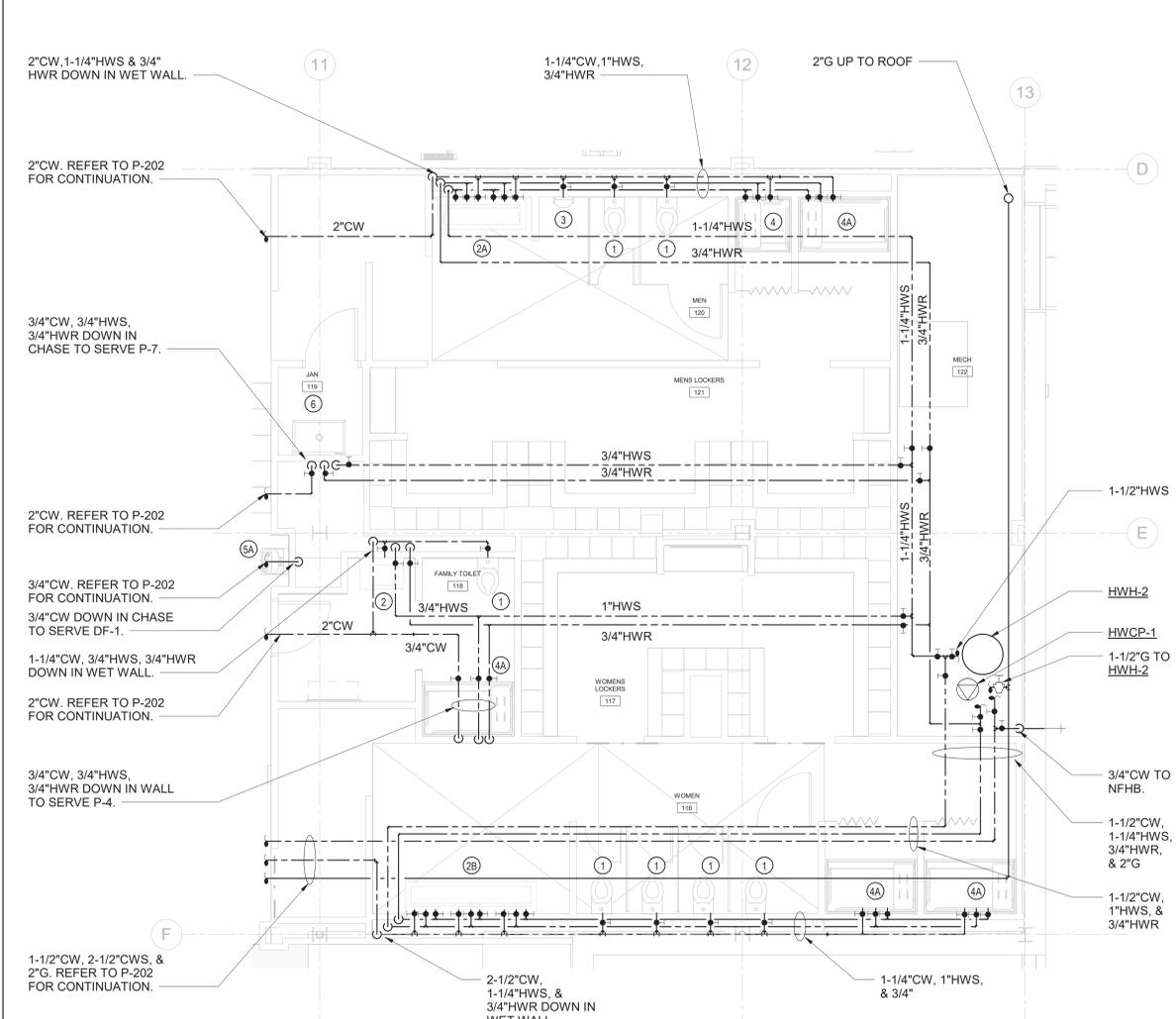
6 PLUMBING MEN 110 & WOMEN 109 - DOMESTIC WATER PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



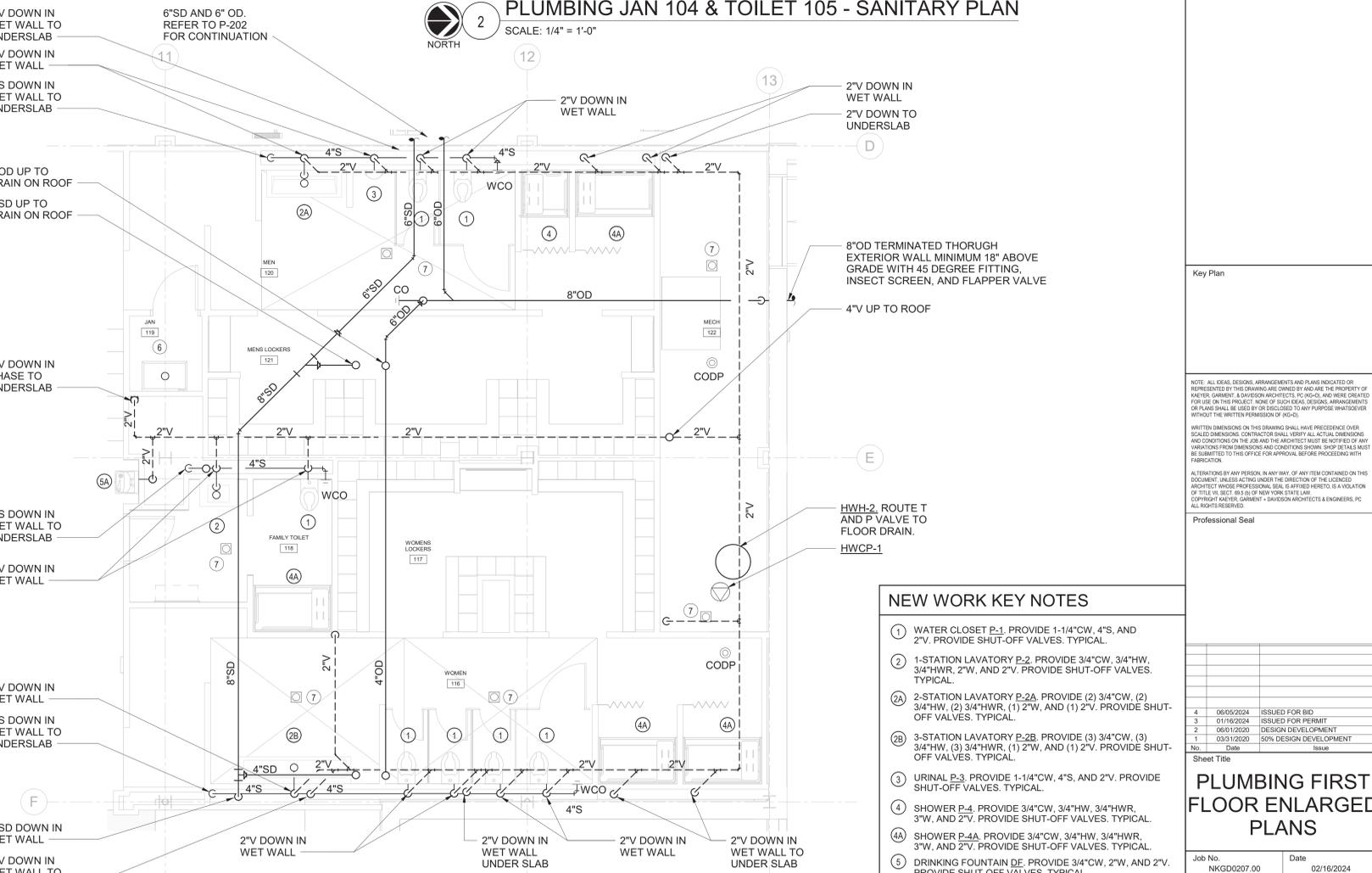
4 PLUMBING MEN 110 & WOMEN 109 - SANITARY PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



3 PLUMBING JAN 104 & TOILET 105 - DOMESTIC WATER PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



5 PLUMBING FIRST FLOOR LOCKER ROOMS - DOMESTIC WATER PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



2 PLUMBING JAN 104 & TOILET 105 - SANITARY PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

1 PLUMBING FIRST FLOOR LOCKER ROOMS - SANITARY PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

- 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 (1) 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" 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 DE. PROVIDE 3/4" CW, 2" W, AND 2" V. PROVIDE SHUT-OFF VALVES. TYPICAL.
 - 5A DRINKING FOUNTAIN DE-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 ED. PROVIDE 3" W AND 2" V. TYPICAL.

Key Plan

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PLUMBING FIRST FLOOR ENLARGED PLANS

| | | | |
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| Job No. | NGGD0207.00 | Date | 02/16/2024 |
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CENTER**

New Construction - Phase 2

Town / Village of Harrison

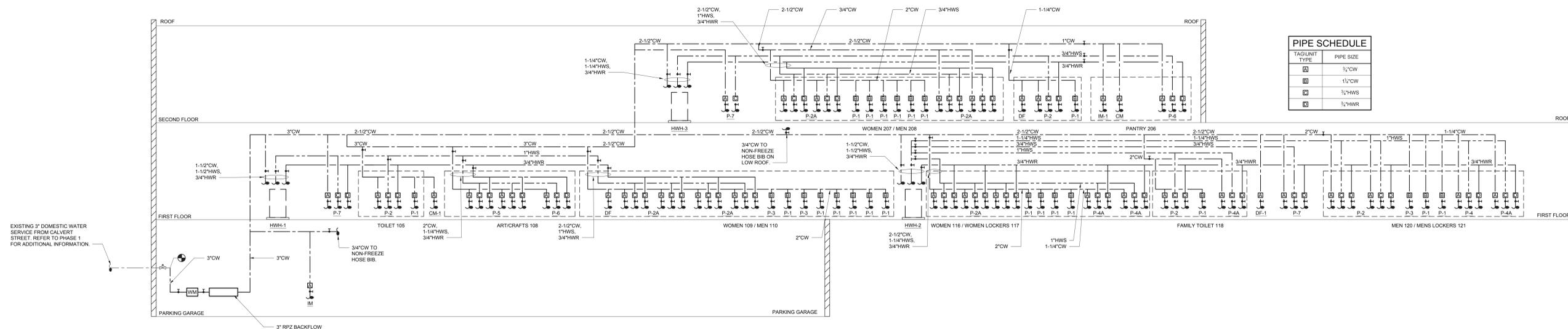
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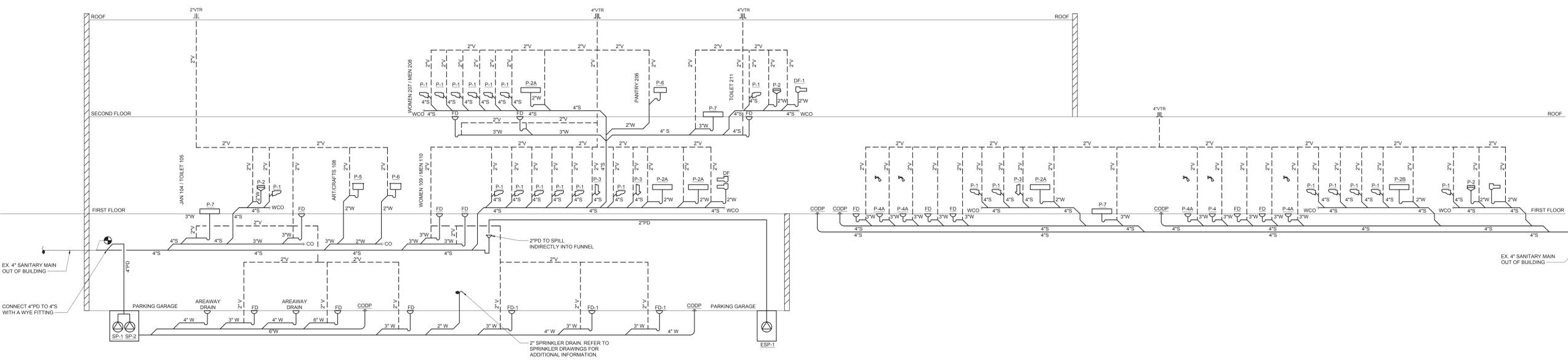
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CONSTRUCTION DOCUMENTS



2 DOMESTIC WATER RISER DIAGRAM
SCALE: NTS



1 SANITARY RISER DIAGRAM
SCALE: NTS

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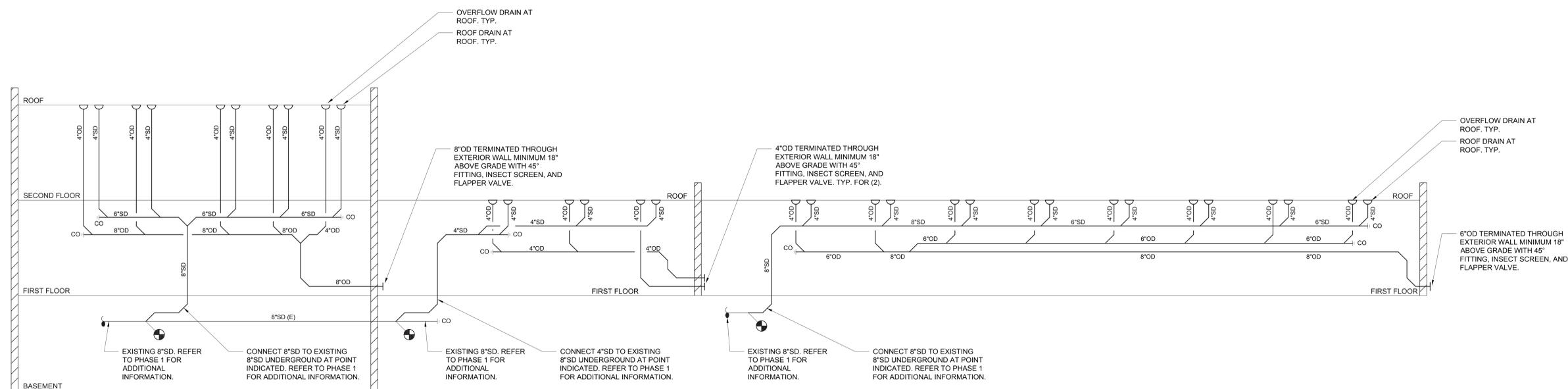
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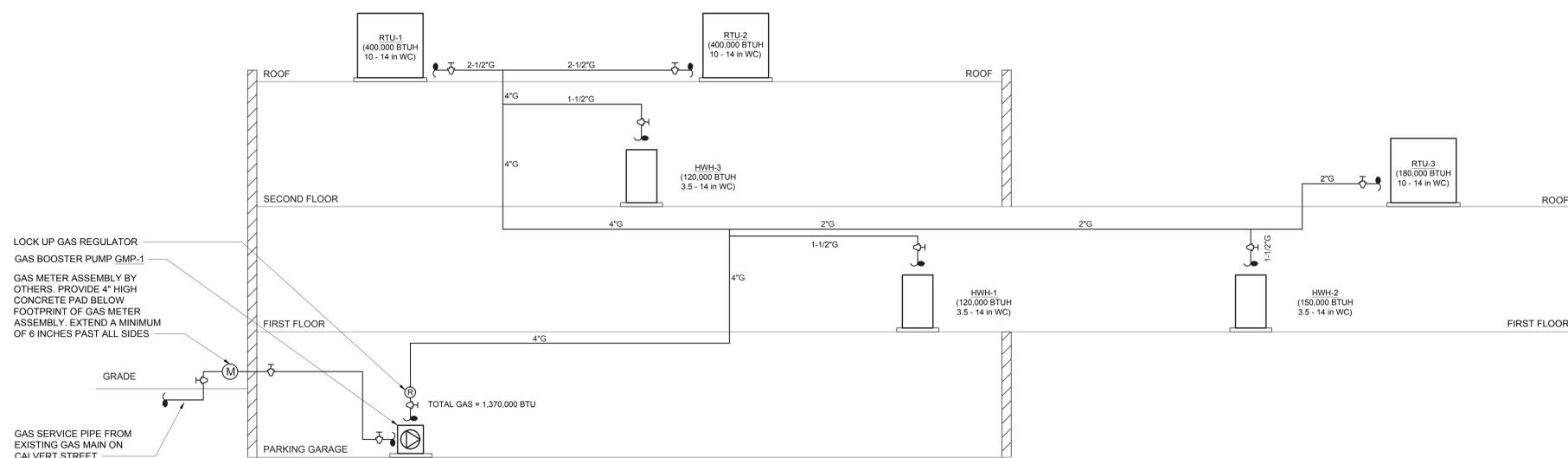
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PLUMBING RISER DIAGRAMS 1 OF 2

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| Job No. | Date |
| NKGD0207.00 | 03/01/2024 |
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| AS NOTED | HM / RG |
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| P-501 | |



2 PLUMBING STORM RISER DIAGRAM
SCALE: NTS



1 PLUMBING GAS RISER DIAGRAM
SCALE: NTS

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| 2 | 06/01/2020 | DESIGN DEVELOPMENT |
| 1 | 03/31/2020 | 50% DESIGN DEVELOPMENT |

Sheet Title

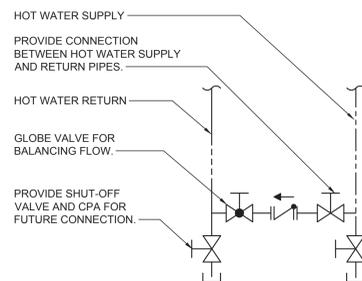
**PLUMBING RISER
DIAGRAM 2 OF 2**

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

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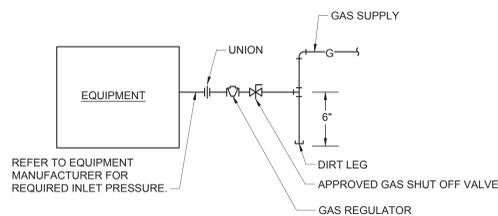
P-502



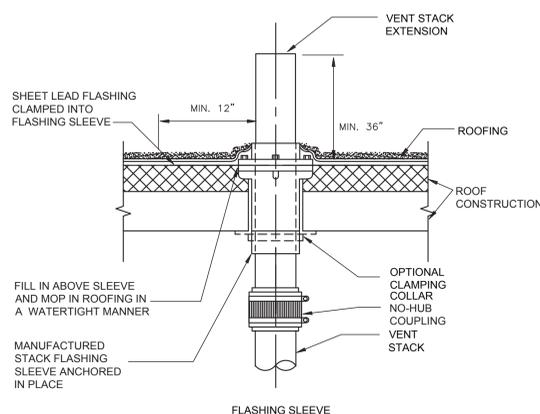
NOTE:
HOT WATER CIRCULATION CONNECTION SHALL BE LOCATED THROUGHOUT BUILDING AS REQUIRED TO ACHIEVE EFFICIENT HOT WATER SUPPLY

| NOMINAL PIPE SIZE (INCHES) | MAXIMUM PIPING LENGTH (FEET) | |
|----------------------------|------------------------------|-------------------------------|
| | PUBLIC LAVATORY FAUCETS | OTHER FIXTURES AND APPLIANCES |
| 1/4 | 6 | 50 |
| 3/16 | 4 | 50 |
| 1/8 | 3 | 50 |
| 1/2 | 2 | 43 |
| 3/8 | 1 | 32 |
| 1/4 | 0.5 | 21 |

8 HOT WATER RECIRC CONNECTION DETAIL
SCALE: NONE

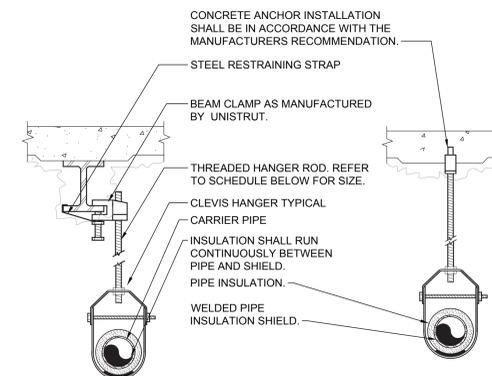


6 EQUIPMENT GAS CONNECTION SCHEMATIC
SCALE: NONE



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

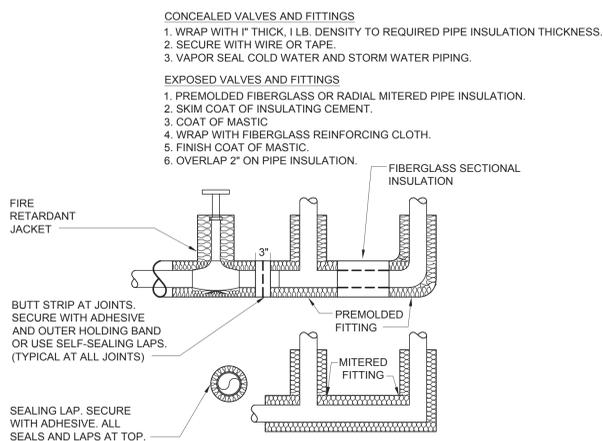
4 VENT THRU ROOF DETAIL
SCALE: NONE



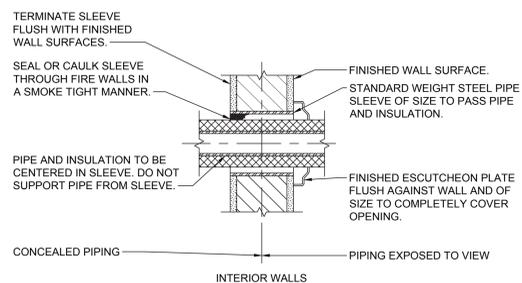
| PIPE HANGER SCHEDULE | | | | | |
|----------------------|---------|-----------|-------|------|--------|
| PIPE DIA. | 3/4"-2" | 2 1/2"-3" | 4"-5" | 6" | 8"-12" |
| HANGER DIA. | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" |

- NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
 2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
 3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
 4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
 5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
 6. 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.

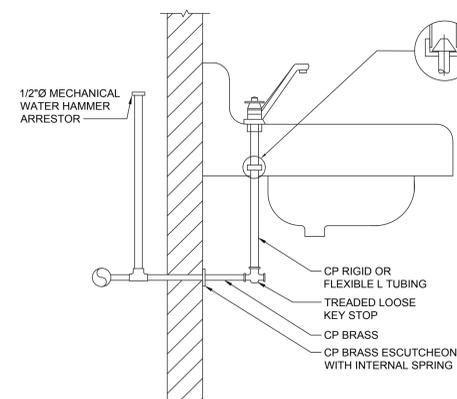
2 PIPE HANGER DETAIL
SCALE: NONE



7 PIPE INSULATION DETAIL
SCALE: NONE

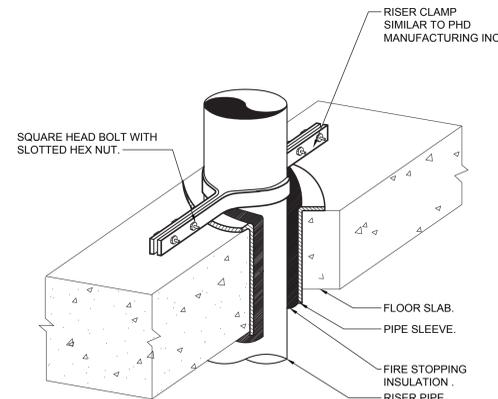


5 PIPE WALL SLEEVE DETAIL FOR INTERIOR WALLS
SCALE: NONE



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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Professional Seal

| No. | Date | Issue |
|-----|------------|------------------------|
| 4 | 06/05/2024 | ISSUED FOR BID |
| 3 | 01/16/2024 | ISSUED FOR PERMIT |
| 2 | 06/01/2020 | DESIGN DEVELOPMENT |
| 1 | 03/31/2020 | 50% DESIGN DEVELOPMENT |

Sheet Title

PLUMBING DETAILS

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

Scale AS NOTED Drawn / Checked HM / RG

Sheet Number