GENERAL NOTES

1. FURNISH AND INSTALL ALL ITEMS OF WORK AND SPECIFICATIONS SHOWN ON DRAWINGS IN COMPLIANCE WITH 2020 PLUMBING CODE OF NYS.

2. PLUMBING TRADE CONTRACTOR SHALL PROVIDE MATERIAL, EQUIPMENT, FIXTURES AND ACCESSORIES FOR THE COMPLETION OF THE WORK, TO MAKE THE SYSTEM READY FOR NORMAL AND PROPER OPERATION. CONTRACTOR SHALL ALSO INCLUDE ALL WORK OR MATERIALS NOT DIRECTLY SHOWN ON THE DRAWINGS OR IN THE SPECIFICATION BUT NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM.

3. ALL WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT, ENGINEER, OWNER AND AGENCIES HAVING JURISDICTION.

4. PERMITS AND FEES: THE CONTRACTOR WILL OBTAIN ALL PERMITS AND ARRANGE FOR PAYMENT OF PERMIT AND FILING FEES WITH OWNER. TRADE CONTRACTORS SHALL SIGN AND SEAL PERMIT APPLICATIONS, ARRANGE FOR INSPECTIONS AND COORDINATE ANY OTHER REQUIREMENTS OF FEDERAL, STATE, COUNTY AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THIS WORK AS WELL AS WITH INSURANCE AND LOCAL UTILITY COMPANIES IF THEIR APPROVAL IS REQUIRED. THE CONTRACTOR SHALL DELIVER ALL PERMITS, APPROVALS, AND CERTIFICATES OF INSPECTION FOR HIS WORK TO THE OWNER, WITHOUT ADDITIONAL COST, BEFORE REQUESTING FINAL PAYMENT FOR THE WORK.

5. PLANS AND SPECIFICATIONS SHOWN HEREIN ARE INTENDED FOR A COMPLETE PROJECT. "EXTRA COSTS" RESULTING FROM THIS WORK SHALL INVOLVE THE OWNER. ARCHITECT OR OTHER CONTRACTORS.

6. THE PLUMBING TRADE CONTRACTOR SHALL CONFIRM ALL UTILITY COMPANY REQUIREMENTS AND CONNECTION POINTS IN FIELD PRIOR TO STARTING WORK.

7. THE PLUMBING TRADE CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR TOWN PERMITS AND ANY SERVICE REQUIRED UNDER THIS CONTRACT.

8. THE PLUMBING TRADE CONTRACTOR SHALL SUBMIT COPIES OF SHOP DRAWINGS WITH DIMENSIONS. CAPACITIES AND MANUFACTURER REQUIREMENTS SHOP DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING ITEMS AND EQUIPMENT:

- * PLUMBING FIXTURES AND TRIM
- * CLEANOUTS
- * PIPING MATERIALS
- * PIPING INSULATION * FLOOR DRAINS/TRAPS

9. ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLES SUBMITTED BY THE PLUMBING TRADE CONTRACTOR SHALL ILLUSTRATE DETAILS OF WORK. EQUIPMENT, MATERIALS, PRODUCTS, SYSTEMS, DESIGN OR WORKMANSHIP THAT THE CONTRACTOR INTENDS TO USE IN ORDER TO COMPLY WITH THE DESIGN ESTABLISHED IN THE CONTRACT DOCUMENTS.

10. PRIOR TO SUBMITTING A BID. PLUMBING TRADE CONTRACTORS ARE REQUIRED TO VISIT THE SITE, TAKE MEASUREMENTS, DETERMINE EXACT INVERT ELEVATIONS, SIZE, DEPTH AND LOCATION OF ALL EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. WORK BACK TOWARD FIXTURE FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS. AND INSPECT EXISTING CONDITIONS AND LIMITATIONS. NO ADDITIONAL ALLOWANCE WILL BE MADE BECAUSE OF MISUNDERSTANDING AS TO THE WORK INVOLVED UNDER THIS PROJECT.

11. THE PLUMBING TRADE CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYOUT OF WORK AND COORDINATE LAYOUT WITH OTHER TRADES BEFORE PROCEEDING WITH CONSTRUCTION.

12. ALL CHANGES FROM THE PLANS NECESSARY TO MAKE THE WORK OF THIS PROJECT CONFORM TO THE BUILDING AS CONSTRUCTED AND TO FIT THE WORK OF OTHER TRADES SHALL BE MADE WITHOUT EXTRA COST.

13. THE DRAWINGS SHALL NOT BE SCALED. REFER TO THE ARCHITECTURAL DRAWINGS AND DETAILS FOR ALL DIMENSIONS AND DETAILS, LOCATIONS OF PARTITIONS, PARTITION CONSTRUCTION AND LOCATIONS OF PLUMBING FIXTURES.

14. PROTECT ALL EQUIPMENT, MATERIALS AND WORK PERFORMED UNDER THIS PROJECT FROM DAMAGE THAT MAY BE CAUSED BY OTHER WORKMEN.

15. THE PLUMBING TRADE CONTRACTOR SHALL KEEP ALL PIPING AND EQUIPMENT CAPPED, PLUGGED, DRAINED OR OTHERWISE PROTECTED INCLUDING PROTECTION FROM FREEZING AND ENTRANCE OF BUILDING MATERIALS, SAND, DIRT, MORTAR, CONCRETE, ETC. AND MAINTAIN THE INTEGRITY OF ALL EXISTING PIPING SYSTEMS. PRIOR TO CONNECTING NEW WORK TO ANY EXISTING SYSTEM, CONFIRM SYSTEM IDENTIFICATION AND DIRECTION OF FLOW. VERIFY THAT EXISTING PIPING IDENTIFICATION LABELS ARE CORRECT, AND PROVIDE ALL INSTALLATION REQUIREMENTS FOR PROPER CONNECTION TO THE EXISTING SYSTEMS.

16. AT THE COMPLETION OF EACH WORKING DAY, THE OPEN ENDS OF ALL PIPES SHALL BE PROVIDED WITH TEMPORARY PLUGS TO PREVENT THE ENTRANCE OF FOREIGN MATTER.

17. THE PLUMBING TRADE CONTRACTOR SHALL PROVIDE THEIR OWN CLEAN UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH ON A DAILY BASIS.

18. IT IS THE INTENT OF THE DRAWINGS TO SHOW THE UTILITIES AS ACCURATELY AS POSSIBLE. HOWEVER, THE PLUMBING TRADE CONTRACTOR SHALL VERIFY ACTUAL FIELD LOCATIONS AND INVERT ELEVATIONS BY DIGGING TEST HOLES PRIOR TO ANY CONSTRUCTION. IT IS THEREFORE THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO DETERMINE TO THEIR OWN SATISFACTION THE LOCATION OF SUCH UTILITIES. THIS INCLUDES LOCATION OF VENT AND SANITARY RISERS LOCATED IN CHASE LOCATIONS.

19. TESTING OF COMPLETE SYSTEM SHALL BE MADE IN THE PRESENCE OF OWNER AND AUTHORITY HAVING JURISDICTION, AS REQUIRED BY LOCAL CODES.

20. THE PLUMBING TRADE CONTRACTOR SHALL REPLACE OR REPAIR AT THEIR OWN EXPENSE ANY PIECE OF EQUIPMENT AND/OR MATERIAL WHICH IS FOUND TO BE DEFECTIVE DURING INSPECTION OR TEST. INSPECTION AND TEST SHALL BE REPEATED FOR THE REPLACED AND REPAIRED EQUIPMENT OR MATERIALS.

21. THE PLUMBING TRADE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGE TO SURROUNDING AREAS CAUSED BY FAILURE OR REPAIR OF DEFECTIVE EQUIPMENT OR MATERIAL.

22. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF EXISTING FACILITIES. ANY INTERRUPTION IN PRIMARY SERVICES MUST BE KEPT TO AN ABSOLUTE MINIMUM.

23. THE PLUMBING TRADE CONTRACTOR SHALL REPLACE ALL EXISTING CONSTRUCTION BEING REMOVED TO MATCH EXISTING FACILITIES.

24. ALL PIPING SUPPORTS SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING TRADE CONTRACTOR.

25. FOR ADDITIONAL NOTES SEE DRAWING TO2.

26. ALL ABANDONED PIPE AND EQUIPMENT SHALL BE REMOVED UNLESS OTHERWISE INDICATED.

UTILITY SERVICE PIPING NOTES

SANITARY/PROCESS

WASTE AND VENT PIPING

1. THE PLUMBING CONTRACTOR SHALL PROVIDE CLEANOUTS WHERE INDICATED ON DRAWINGS AND WHERE REQUIRED BY CODE. CLEANOUTS ON LINES UP TO 4" SHALL BE FULL PIPE SIZE.

2. ALL ABOVE GROUND PIPING SHALL BE RUN STRAIGHT AND PLUMB, AS DIRECT AS POSSIBLE, PARALLEL TO SLAB, AND AS CLOSE AS POSSIBLE TO THE STRUCTURAL MEMBERS.

3. MAKE CHANGES IN DIRECTION OF WASTE DRAINAGE AND VENT PIPING USING APPROPRIATE BRANCHES, BENDS AND LONG SWEEP BENDS. TEES AND SHORT-SWEEP 1/4 BENDS MAY BE USED ON VERTICAL STACKS. DO NOT CHANGE DIRECTION OF FLOW MORE THAN 90°F. USE PROPER SIZE OF STANDARD INCREASERS AND REDUCERS IF PIPES OF DIFFERENT SIZES ARE CONNECTED. REDUCING SIZE OF DRAINAGE PIPING IN DIRECTION OF FLOW IS PROHIBITED.

4. THE PLUMBING CONTRACTOR SHALL FURNISH ALL NEW PIPING.

5. ALL TESTING SHALL BE MADE IN THE PRESENCE OF THE OWNER AND PLUMBING INSPECTOR HAVING JURISDICTION AND IN ACCORDANCE WITH THE 2020 PLUMBING CODE OF NYS.

DCW AND DHW WATER PIPING

6. CONNECTION BETWEEN COPPER OR BRONZE AND STEEL PIPING SHALL BE MADE WITH DIELECTRIC UNIONS.

7. ALL PIPING SYSTEM SHALL BE PRESSURE TESTED FOR LEAKS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST STANDARD SPECIFICATION OF ANSI B31.9

8. TESTING SHALL BE CONDUCTED BEFORE FINAL CONNECTIONS TO EQUIPMENT AND FIXTURES AND BEFORE APPLYING INSULATION.

9. PLUMBING CONTRACTOR SHALL FURNISH ALL TEMPORARY PIPE CONNECTIONS, PUMPS, COMPRESSORS AND INSTRUMENT TO PERFORM AND COMPLETE ALL TESTING.

10. TESTING OF COMPLETED SYSTEM SHALL BE CONDUCTED IN THE PRESENCE OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION. REPAIR PIPING SECTIONS, WHICH FAIL REQUIRED PIPING TEST, BY DISASSEMBLY AND RE-INSTALLATION, USING NEW MATERIALS TO EXTENT REQUIRED TO OVERCOME LEAKAGE. DO NOT USE CHEMICALS, STOP-LEAK COMPOUNDS, MASTIC OR OTHER TEMPORARY REPAIR METHODS.

NATURAL GAS PIPING

1. NATURAL GAS PIPING SHALL BE STANDARD WEIGHT SCHEDULE 40 BLACK STEEL PIPE ASTM-A106 (SEAMLESS), THREADED WITH MALLEABLE IRON FITTINGS FOR PIPING 2-1/2" AND SMALLER. ALL NATURAL GAS PIPING RUNNING AT ELEVATED PRESSURES OR GREATER THAN 2-1/2" SHALL BE WELDED CONSTRUCTION AND COMPLY WITH AMERICAN WELDING SOCIETY (AWS) THE AMERICAN SOCIETY OF MECHANICAL ENGINEERING (ASME) AND THE 2020 NEW YORK STATE FUEL GAS CODE / (NFPA 54) STANDARDS FOR INSTALLATION AND TESTING.

2. NATURAL GAS SYSTEM VALVING SHALL BE PLUG VALVES, 175 LBS CLASS B IRON LUBRICATED. 2 BOLT COVER TYPE SHORT PATTERN. WRENCH OPERATED WITH THREADED ENDS.

3. NATURAL GAS PIPING SHALL BE INSTALLED AND TESTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2020 NEW YORK STATE FUEL GAS CODE, NFPA 54 AND ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION.

4. TESTING OF COMPLETED SYSTEM SHALL BE CONDUCTED IN THE PRESENCE OF THE OWNER AND THE AUTHORITY HAVING JURISDICTION. REPAIR PIPING SECTIONS, WHICH FAIL REQUIRED PIPING TEST, BY DISASSEMBLY AND RE-INSTALLATION, USING NEW MATERIALS TO EXTENT REQUIRED TO OVERCOME LEAKAGE. DO NOT USE CHEMICALS, STOP-LEAK COMPOUNDS, MASTIC OR OTHER TEMPORARY REPAIR METHODS.

5. ALL NEW GAS FIRED EQUIPMENT HAS BEEN SELECTED WITH AN OPERATING PRESSURE RANGE OF 4.0" TO 14.0" OF W.C. PLUMBING CONTRACTOR SHALL FIELD VERIFY INCOMING GAS PRESSURE AT THE MAIN AS WELL AS THE OPERATING PRESSURE OF THE MAIN AND ALL EQUIPMENT WITHIN THE BUILDING. WHERE GAS OPERATING PRESSURES WITHIN THE MAINS OR BRANCH PIPING SERVING GAS FIRED EQUIPMENT EXCEEDS 1 PSIG (14.0IN W.C.) THE INSTALLING CONTRACTOR SHALL PROVIDE A LOCK-UP STYLE LINE REGULATOR (SIMILAR TO MAXITROL 325 SERIES) TO BE VENTED TO ATMOSPHERE. REGULATORS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR EACH PIECE OF EQUIPMENT AND INSTALLED AS PER MANUFACTURERS AND LOCAL UTILITY COMPANIES GUIDELINES.

6. ALL MODIFICATIONS TO THE EXISTING NATURAL GAS SYSTEM AND/OR TIE IN TO THE METER SET SHALL BE REVIEWED AND APPROVED BY THE LOCAL GAS UTILITY COMPANY. THE PLUMBER SHALL COORDINATE ALL NEW PIPING AND/OR SYSTEM MODIFICATIONS WITH THE UTILITY COMPANY AND MODIFY PIPING AS REQUIRED AT THE INCOMING SERVICE TO ACCOMMODATE ANY METER MODIFICATIONS.

PIPE INSULATION

11. ALL WATER PIPING SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET. THE THICKNESS OF INSULATION SHALL NOT BE LESS THAN 1".

12. INSULATION SHALL BE INSTALLED IN A SMOOTH, CLEAN, WORKMANLIKE MANNER. JOINTS SHALL BE TIGHT AND FINISHED SMOOTH. WITH A CONTINUOUS UNBROKEN VAPOR SEAL.

13. ALL SURFACES TO BE INSULATED SHALL BE DRY AND FREE OF LOOSE SCALE, DIRT, AND OIL OR WATER WHEN INSULATION IS APPLIED.

14. INSTALLATION OF INSULATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND IN ACCORDANCE WITH RECOGNIZED INDUSTRIAL PRACTICES TO ENSURE THAT INSULATION SERVES

ABBREVIATIONS ABOVE FINISHED FLOOR BELOW FLOOR COMPRESSED AIR CFH CUBIC FEET PER HOUR CI CAST IRON CL CENTER LINE CLG CEILING CO CLEAN OUT CONN CONNECTION CONT. CONTINUED CU COPPER CUL COPPER TYPE L DCW DOMESTIC COLD WATER DFU DRAINAGE FIXTURE UNIT DHW DOMESTIC HOT WATER DHWR DOMESTIC HOT WATER RETURN DI DEIONIZED/PURIFIED WATER DIR DEIONIZED/PURIFIED WATER RETURN DIA DIAMETER DOWN DWG DRAWING (E) EXISTING TO REMAIN FCO FLOOR CLEANOUT FIN. FLR. FINISHED FLOOR FT. FEET GENERAL CONTRACTOR GPM GALLONS PER MINUTE GPF GALLONS PER FOOT GPH GALLONS PER HOUR IN INCH INCHES WATER GAUGE IN WG LAV LAVATORY MECHANICAL CONTRACTOR MANUFACTURER NIC NOT IN CONTRACT NUMBER NTS NOT TO SCALE РC PLUMBING CONTRACTOR PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE (R) REMOVE AND REPLACE SANITARY LINE SQ. FT. SQUARE FOOT STORM TYP TYPICAL UNLESS OTHERWISE NOTED UON UR URINAL **VENT**

VERIFY IN FIELD

WATER CLOSET

WALL CLEANOUT

WASTE

VENT THROUGH (THRU) ROOF

WATER HAMMER ARRESTOR

WATER SUPPLY FIXTURE UNITS

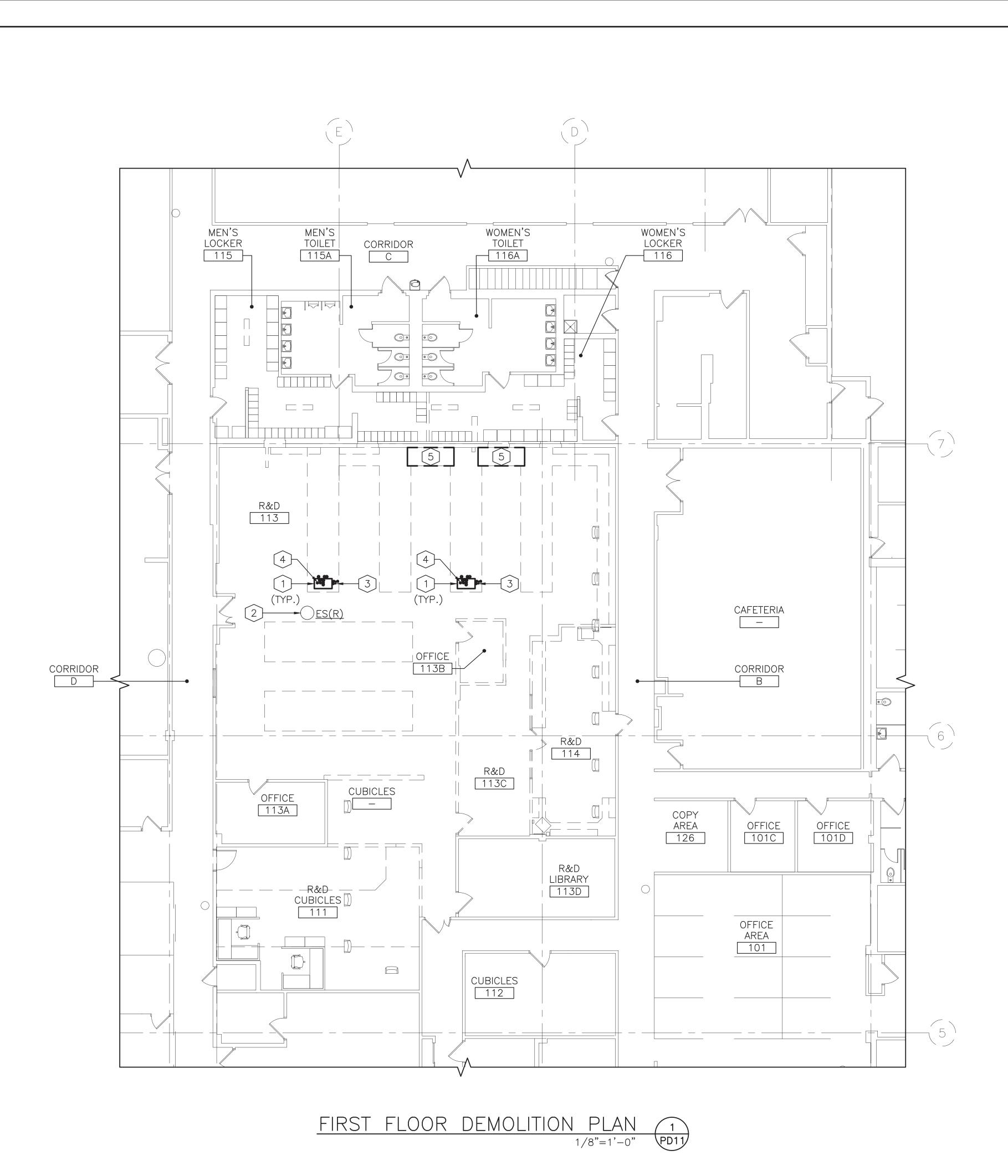
V.I.F.

VTR

LEGEND SANITARY LINE ABOVE FLOOR SAN SANITARY LINE BELOW FLOOR —SAN— → VENT LINE \succeq \longrightarrow \bigvee \longrightarrow VALVE CHECK VALVE GLOBE VALVE UNION DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER PIPING DOMESTIC HOT WATER RETURN PIPING → DHWR DEIONIZED WATER PIPING DEIONIZED WATER RETURN PIPING COMPRESSED AIR PIPING NATURAL GAS PIPING PIPE RISE PIPE DROP LUBRICATED PLUG VALVE SOLENOID VALVE UNION TYPE OF EQUIPMENT & EQUIPMENT DESIGNATION NUMBER POINT OF CONNECTION (NEW TO EXISTING) POINT OF DISCONNECTION & REMOVAL (DEMOLITION) SHEET NOTES DEMOLITION NOTES REVISION ITEMS INCLUDED UNDER REVISION

O ISSUED FOR BID AND CONSTRUCTION LG 24 SEPT 21 REVISION DESCRIPTION BY DATE El Associates ARCHITECTS & ENGINEERS, PC **ENGINEERING** 8 RIDGEDALE AVENUE • CEDAR KNOLLS NJ 07927 • 973.775.7777 GAETANO P. CIPRIANO, P.E. PROFESSIONAL ENGINEER LICENSE NO. NY 064215-1 PLUMBING EIA DRAWING NO. AS NOTED INSTRUMENTATION DRAWN LABORATORY DESIGNED P00 LOCKER ROOM EXPANSION CHECKED NEW YORK APPROVED CLIENT DWG. NO. GENERAL NOTES, LEGEND, _ _ _ _ _ PROJECT EIA PROJECT NO. AND ABBREVIATIONS MANAGER: EG8577.03

THE INTENDED PURPOSE.



PLAN

NORTH

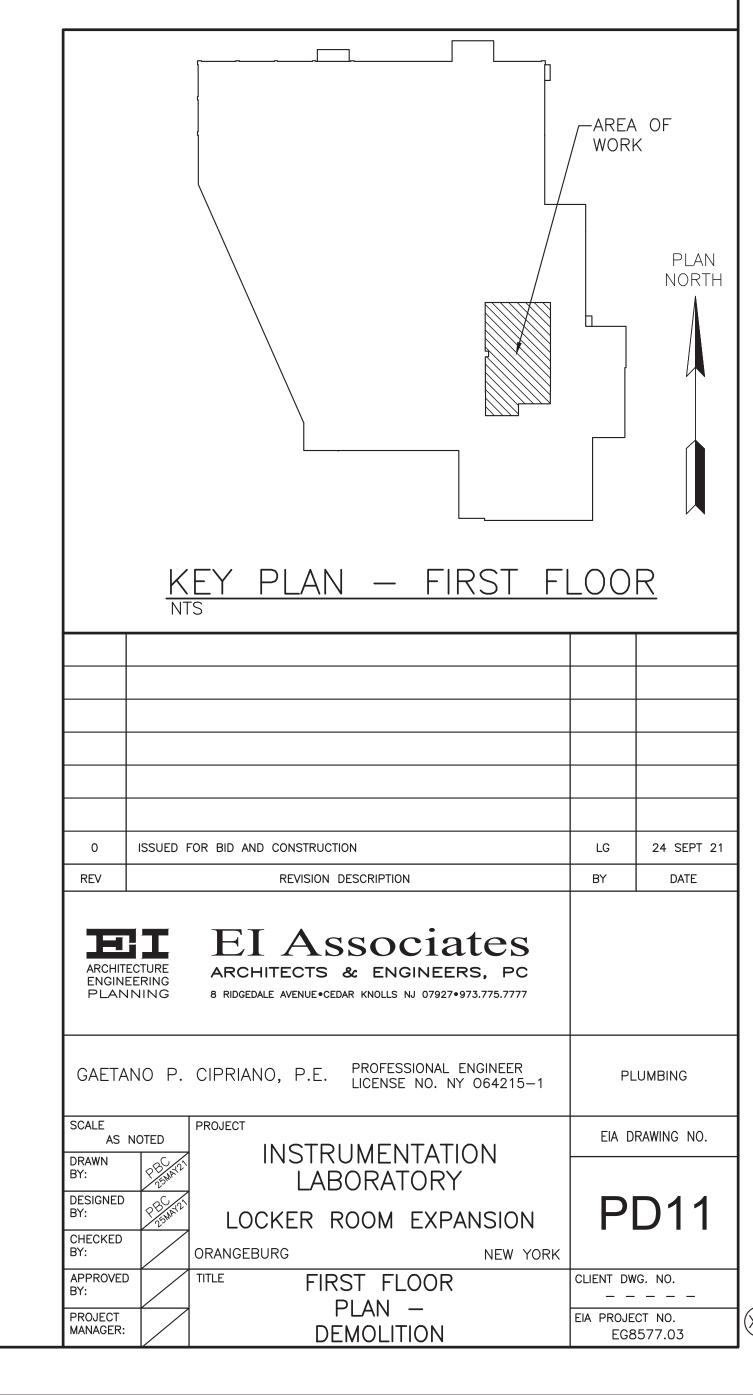
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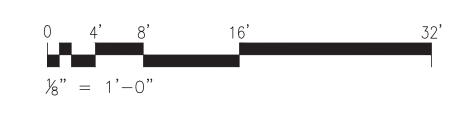
GENERAL NOTES:

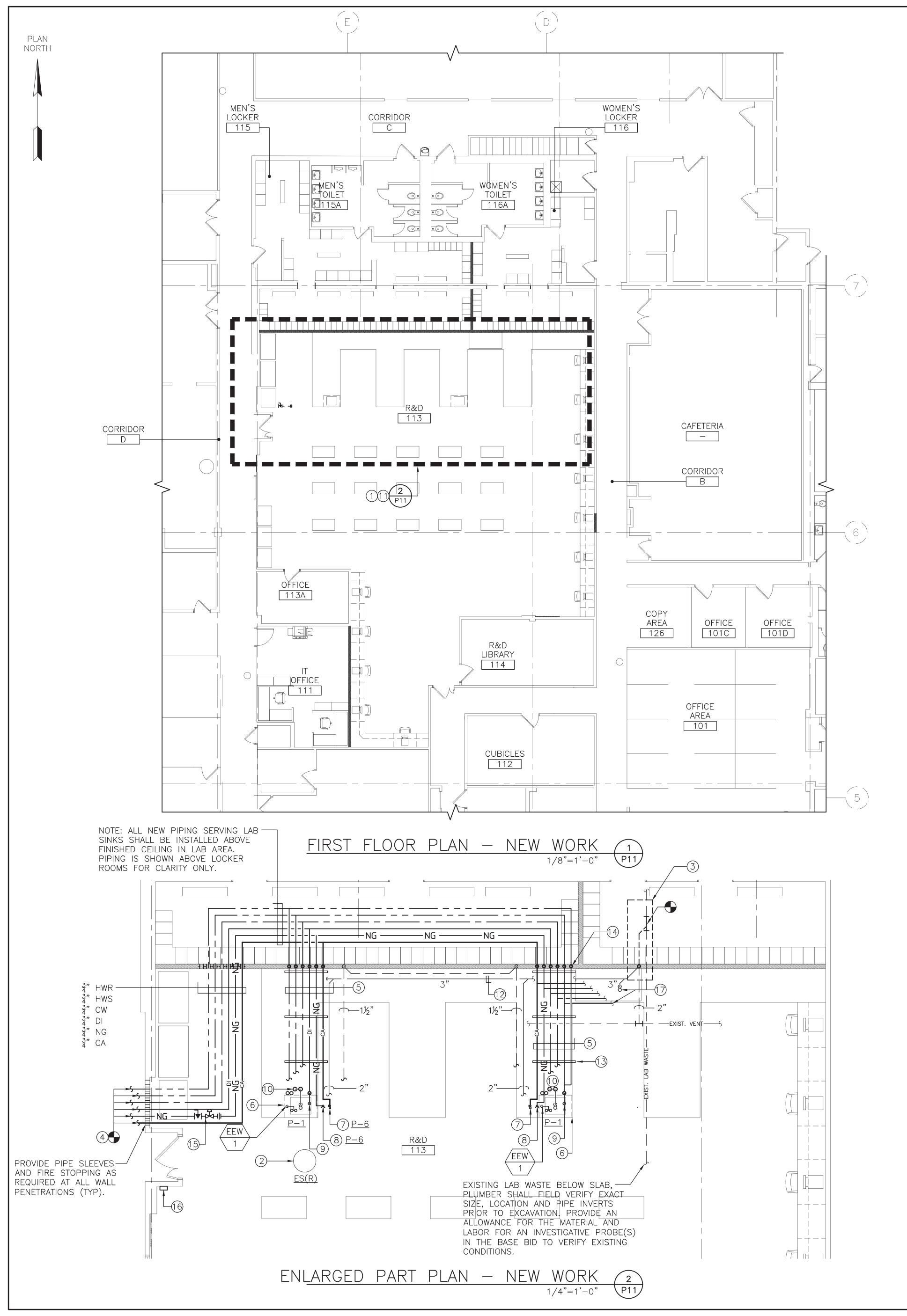
- SEE SHEET TO2 FOR ADDITIONAL GENERAL NOTES.
- SEE GENERAL NOTES #19,20 AND 21 ON TO2 FOR MANDATORY SUBCONTRACTOR REQUIREMENTS. SEE SHEET ADOO FOR GENERAL, TYPICAL, ELECTRICAL, STRUCTURAL AND ALL OTHER TRADE DEMOLITION NOTES.
- SEE POO SERIES DWGS FOR GENERAL NOTES, ABBREVIATIONS, & LEGEND.
- SEE P40 SERIES DWGS FOR DETAILS.
- SEE P50 SERIES DRAWINGS FOR FIXTURE CONNECTIONS.
- SEE P60 SERIES DWGS FOR SCHEDULES. PLUMBING CONTRACTOR SHALL CONFIRM EXISTING PIPE LOCATIONS AND INVERT ELEVATIONS
- PRIOR TO DEMOLITION/CONSTRUCTION. 4. FLOOR WORK BY OWNER.

DEMOLITION NOTES:

- (1) EXISTING LAB WORK STATIONS AND ALL ASSOCIATED PLUMBING FIXTURES AND PIPING TO BE REMOVED AND DISCARDED. THIS SHALL INCLUDE BUT IS NOT LIMITED TO ALL WASTE, VENT, HWS, HWR, LAB/ACID WASTE, DEIONIZED WATER AND NATURAL GAS PIPING. PLUMBER SHALL CUT BACK AND CAP PIPING AT MAINS. PLUMBER SHALL FIELD VERIFY EXACT PIPIE ROUTING AND CUT BACK AND TEMPORARILY CAP PIPING FOR FUTURE CONNECTION. REMOVE ALL HANGERS AND SUPPORTS AND PATCH EXISTING SURFACES AS TO ALLOW FOR A CLEAN WORK ARES. SEE DRAWING P11 FOR NEW CONNECTIONS.
- 2 APPROXIMATE LOCATION OF EXISTING EMERGENCY SHOWER AND ALL ASSOCIATED PIPING TO REMAIN. PLUMBER SHALL SHUT-OFF WATER SUPPLY TO FIXTURE AND PROVIDE TEMPORARY PROTECTION OF FIXTURE DURING DEMOLITION AND NEW WORK PHASES OF CONSTRUCTION. PROTECTION SHALL INCLUDE TEMPORARY PLYWOOD WALLS AND/OR PLASTIC SHEETING. NOTE: IN THE CASE THAT THE EXISTING SHUT-OFF VALVES ARE SIEZED THE PLUMBER SHALL PROVIDE NEW BALL VALVES OF SIZE AND QUANTITY TO MATCH EXISTING INSTALLATION. PLUMBER SHALL TEST EXISTING MIXING VALVE TO ASSURE THE PROPER TEMPERATURE TEPID WATER IS BEING DELIVERED TO THE EMERGENCY FIXTURES AS PER OSHA STANDARDS.
- 3 EXISTING EMERGENCY EYEWASH AND ALL ASSOCIATED APPURTANCES TO BE REMOVED AND DISCARDED. TEMPORARILY CUT BACK AND CAP PIPING AT THE MAIN FOR FUTURE RECONNECTION TO PIPING.
- 4 EXISTING DEIONIZED WATER FAUCET TO BE REMOVED AND DISCARDED. CUT BACK AND TEMPORARILY CAP DEIONIZED WATER SUPPLY AND RETURN PIPING AT THE MAIN FOR RECONNECTION.
- EXISTING FUME HOOD IS TO BE REMOVED AND ALL ASSOCIATED PLUMBING FIXTURES AND PIPING TO BE REMOVED AND TURNED OVER TO BUILDING MANAGEMENT FOR SALVACE (STORAGE BIDING BE REMOVED AND TURNED OVER TO BUILDING MANAGEMENT FOR SALVAGE/STORAGE. PIPING DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO ALL WASTE, VENT, HWS, HWR, LAB/ACID WASTE, COMPRESSED AIR, DEIONIZED WATER, NATURAL GAS PIPING, ETC. PLUMBER SHALL CUT BACK AND CAP PIPING AT MAINS AND REMOVE ALL HANGERS/SUPPORTS. PATCH ALL EXISTING SURFACES TO MATCH EXISTING. VIF.







GENERAL NOTES:

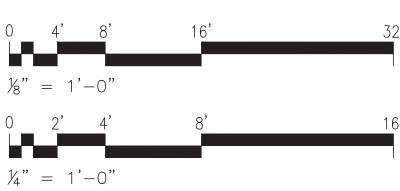
- 1. SEE SHEET TO2 FOR ADDITIONAL GENERAL NOTES.
- 2. SEE GENERAL NOTES #19,20 AND 21 ON TO2 FOR MANDATORY SUBCONTRACTOR REQUIREMENTS. 3. SEE SHEET ADOO FOR GENERAL, TYPICAL, ELECTRICAL, STRUCTURAL AND ALL OTHER TRADE
- SEE SHEET ADOO FOR GENERAL, TYPICAL, ELECTRICAL, STRUCTURAL AND ALL OTHER TRADE DEMOLITION NOTES.
- 4. SEE POO SERIES DWGS FOR GENERAL NOTES, ABBREVIATIONS, & LEGEND.
- 5. SEE P40 SERIES DWGS FOR DETAILS.
- 1. SEE P50 SERIES DRAWINGS FOR FIXTURE CONNECTIONS.
- SEE P60 SERIES DWGS FOR SCHEDULES.
- 3. PLUMBING CONTRACTOR SHALL CONFIRM EXISTING PIPE LOCATIONS AND INVERT ELEVATIONS PRIOR TO DEMOLITION/CONSTRUCTION.
- PLUMBING CONTRACTOR SHALL SNAKE AND FLUSH ALL EXISTING SANITARY/LAB WASTE LINES PRIOR TO NEW CONNECTION TO EXISTING MAINS.

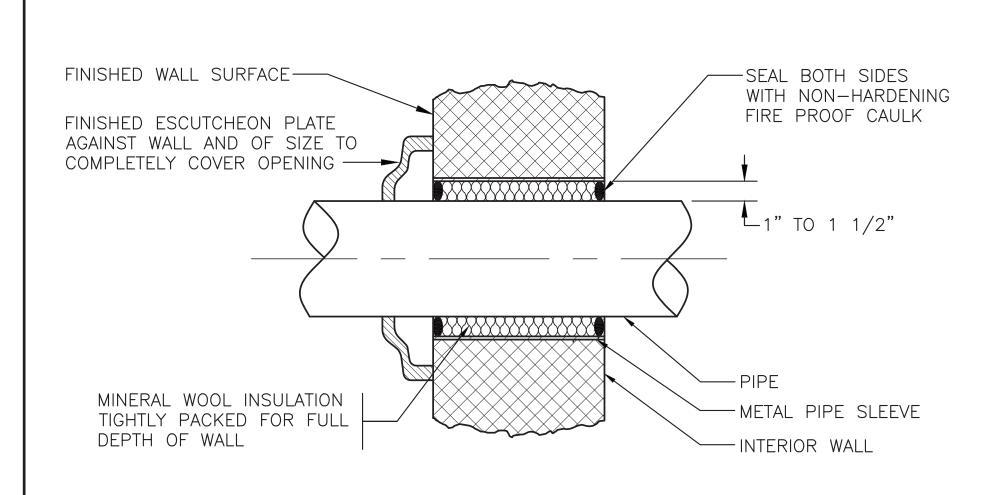
SHEET NOTES:

- (1) REFER TO ENLARGED PART PLAN 2 ON DRAWING P-11 FOR WORK IN THIS AREA.
- 2 EXISTING EMERGENCY SHOWER TO REMAIN. PLUMBER SHALL CLEAN AND FLUSH EXISTING FIXTURE PRIOR TO PLACING IT BACK INTO SERVICE. COORDINATE NEW SIGNAGE WITH ARCHITECT UPON INSTALLATION OF CEILING.
- 3 APPROXIMATE LOCATION OF SLAB CUTTING AND EXCAVATION TO ALLOW FOR CONNECTION OF NEW 3" LAB WASTE PIPING TO EXISTING MAIN BELOW FINISHED FLOOR. PLUMBER SHALL FIELD VERIFY EXACT LOCATION AND INVERT ELEVATION PRIOR TO DEMOLITION. UPON INSTALLATION AND SUCCESSFUL PRESSURE TEST OF PIPING THE TRENCH CAN BE BACKFILLED, COMPACTED AND PATCHED TO MATCH EXISTING SUBFLOOR.
- 4 NEW 3/4" HWR; ¾" HWS; ¾"CW; ¾" DI; ¾" DIR; ¾" NATURAL GAS AND ¾" COMPRESSED AIR PIPING. CONNECT NEW PIPING TO EXISTING MAINS ABOVE FINISHED CEILING. FIELD VERIFY EXACT CONNECTION POINTS AND PIPE LENGTHS PRIOR TO INNSTALLATION. PLUMBER SHALL PROVIDE FOR ALL NEW PIPING, VALVES, FITTINGS, INSULATION, HAMGERS, SUPPORTS, SYSTEM SHUT-DOWNS, TESTING, ETC. AS REQUIRED FOR COMPLETE INSTALLATIONS AND CODE COMPLIANT SYSTEMS.
- (5) NEW 3/4" HWR; ¾" HWS; ¾"CW; ¾" DI; ¾" NATURAL GAS AND ¾" COMPRESSED AIR PIPING. RUN PIPING IN CASEWORK AND SUPPORT FROM STRUCTURE IN A STACKED CONFIGURATION WITH 2" UNISTRUT SPACED A MAXIMUM OF 6'-0" ON CENTER. COORDINATE PIPE ROUTING WITH CASEWORK SHOP DRAWINGS PRIOR TO RELEASE FOR FABRICATION. REFER TO ARCHITECTURAL DETAIL D ON DRAWING A73 FOR PROPOSED LAYOUT.
- 6 3" WASTE DN., 2" VENT RISE, 1/2" H&CW TO LAB SINK; $\frac{1}{2}$ " DE-IONIZED (DI) H&CW WATER TO DEDICATED DI FAUCET; $\frac{3}{4}$ " TEPID WATER TO COUNTER MOUNTED EMERGENCY EYEWASH; $\frac{1}{2}$ " NATURAL GAS UP TO GAS TURRET AND $\frac{3}{4}$ " COMPRESSED AIR UP TO CA OUTLET. PLUMBER SHALL PROVIDE AND INSTALL ALL PIPE, FITTINGS, VALVES, INSULATION, SEDIMENT TRAP, SUPPLIES, $\frac{1}{4}$ TURN BALL VALVE TYPE STOPS, ESCUTCHEONS, MIVING VALVES, ETC. AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT INSTALLATION. REFER TO P50 AND P60 FOR PLUMBING FIXTURES AND PIPING CONNECTIONS.
- 7 ½" COMPRESSED AIR UP TO COMPRESSED AIR OUTLET. PROVIDE ½" BALL VALVE, WATER SEPERATOR/REGULATOR ASSEMPLY WITH PRESSURE GAUGE AND ¾" QUICK CONNECT FITTING. ALL PIPING AND ESCUTCHEON ABOVE COUNTER SHALL BE CHROME PLATED.
- $\frac{1}{2}$ " NATURAL GAS UP TO NEW GAS TURRET. PLUMBER SHALL INSTALL A PLUG VALVE AND CHECK VALVE BELOW CASEWORK (TYPICAL FOR ALL).
- 9 PROVIDE $\frac{1}{2}$ " DI WATER CONNECTION TO DEDICATED FAUCET.
- REFER TO ISLAND SINK DETAIL ON P41 FOR DRAINAGE PIPING TO LAB WORK STATIONS. COORDINATE ALL PIPING REQUIREMENTS WITH MILLWORK AND PROVIDE DIMENSIONED SHOP DRAWINGS INDICATING PIPE CHASES, CONDUIT RUNS, ACCESS PANELS FOR VALVES, ETC. SHOP MDRAWINGS SHALL BE REVIEWED AND APPROVED BY ENGINEER AND OWNER PRIOR TO RELEASE FOR FABRICATION.
- PLUMBER SHALL PROVIDE ALL PIPE, FITTINGS, VALVES, INSULATION, ESCUTCHEONS, FIXTURES, CARRIERS, HANGERS SUPPORTS, CORE DRLLING, PIPE SLEEVES, FIRE STOPS, PERMITS, ETC. AS NECESSARY FOR A COMPLETE AND CODE COMPLIANT ROUGH—IN AND FINISH. PLUMBER SHALL CONNECT TO EXISTING MAINS WITHIN THE LAB SERVING PREVIOUS FIXTURES IN THIS AREA. MODIFY EXISTING PIPING AS REQUIRED TO ACCOMMODATE NEW INSTALLATION (TYPICAL FOR ALL LAB FIXTURES).
- 12 NEW 3" LAB WASTE PIPING TO BE RUN IN 6" FALSE BACK BEHIND CABINETS. LAB WASTE SHALL BE INSTALLED TIGHT TO WALL AND PITCHED AT $\frac{1}{4}$ " PER LINEAR FOOT. COORDINATE INSTALLATION WITH MILLWORK SHOP DRAWINGS PRIOR TO RELEASE FOR FABRICATION TO ALLOW FOR ADEQUATE CLEARANCE AND PIPE PITCH.
- PROVIDE PIPE SUPPORT IN FALSE BACK/VOID SPACE WITHIN CASEWORK. NOTE, PIPING SHALL BE RUN IN A VERTICAL/STACKED CONFIGURATION AND IS INDICATED AS HORIZONTAL FOR CLARIFICATION ONLY. COORDINATE EXACT DETAIL AND DIMENSIONS WITH MILLWORK SHOP DRAWINGS PRIOR TO RELEASE FOR FABRICATION (TYPICAL).
- 14) PROVIDE PIPE SLEEVES AND FIRE STOPPING AS REQUIRED AT ALL WALL PENETRATIONS (TYP).
- PROVIDE NEW ASCO 3/4" GAS SOLENOID VALVE AND ASCO MODEL# 108D90C MASTER CONTROL STATION. SEE ELECTRICAL FLOOR PLANS FOR PROPOSED LOCATION OF EPO SWITCH AN COORDINATE ALL POWER REQUIREMENTS AND CONTROL WIRING. PLUMBER SHALL FIELD VERIFY PIPE SIZE AT CONNECTION TO MAIN PRIOR TO PURCHASE OF VALVE AND CONTROL PANEL.
- PROVIDE NEW BREAK GLASS TYPE EMERGENCY POWER GAS SHUT-OFF/MANUAL PULL STATION TO BE INSTALLED AT THE LAB EGRESS AND WIRED TO THE MASTER GAS CONTROL STATION ASCO MODEL 216C89 AND EXISTING BUILDING FIRE ALARM SYSTEM. PLUMBING CONTRACTOR SHALL COORDINATE ALL DEVICES, JUNCTION BOXES, CONDUITS, WIRING, RELAYS, EXTENSION PANELS, REMOTE ANNUCIATOR PANELS, ETC. WITH FIRE ALARM VENDOR PRIOR TO BID.
- 2" WASTE, 2" ISLAND VENT, 1/2" H&CW TO CUP SINK; $\frac{1}{2}$ " DE-IONIZED WATER; $\frac{1}{2}$ " NATURAL GAS UP TO GAS TURRET AND $\frac{3}{4}$ " COMPRESSED AIR UP TO CA OUTLET SERVING LAB EXHAUST HOOD UTILITIES. PLUMBER SHALL RUN PIPING BELOW COUNTER AND CONNECT TO HOOD OUTLETS. PLUMBER SHALL PROVIDE AND INSTALL ALL PIPE, FITTINGS, VALVES, INSULATION, SEDIMENT TRAP, SUPPLIES, $\frac{1}{4}$ TURN BALL VALVE TYPE STOPS, ESCUTCHEONS, MIXING VALVES, ETC. AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT INSTALLATION. MODIFY PIPING AS REQUIRED TO ACCOMMODATE INSTALLATION.



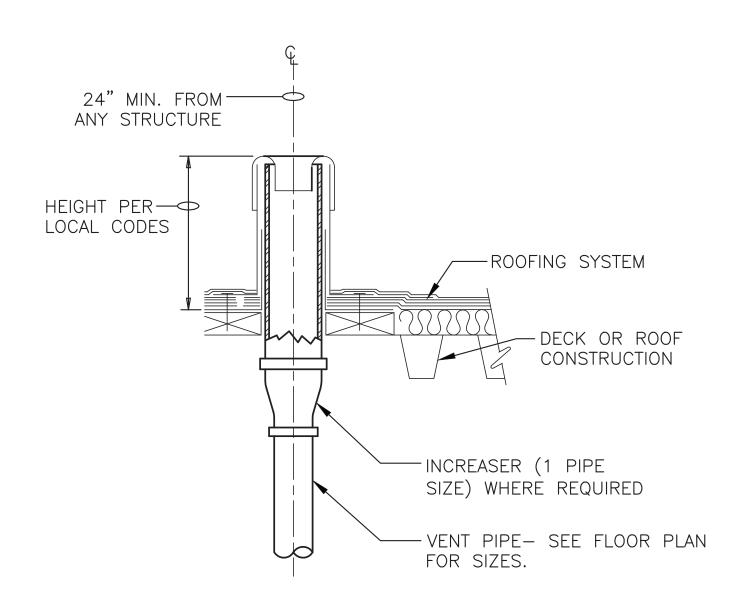
AREA OF





PIPE PENETRATION THROUGH INTERIOR RATED WALL DETAIL \P40

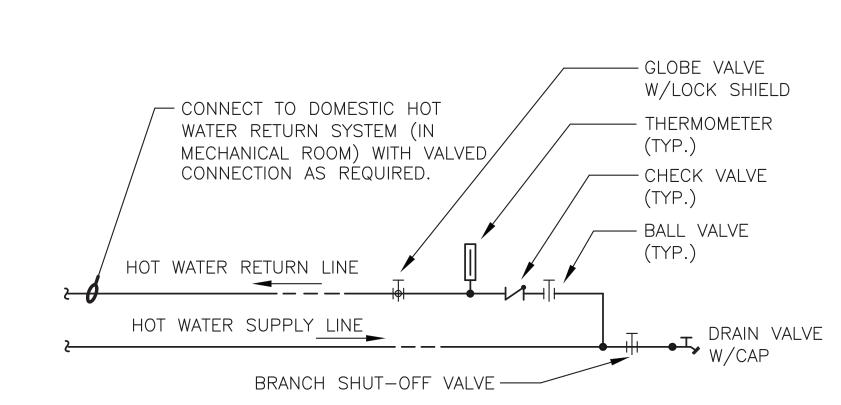
1. ALL PIPE PENETRATIONS THROUGH INTERIOR RATE RATED WALLS SHALL COMPLY WITH SECTION 713.3.1 AND 713.3.1.2 OF THE 2015 IBC.



PLUMBING VENT THRU ROOF DETAIL \P40*/*

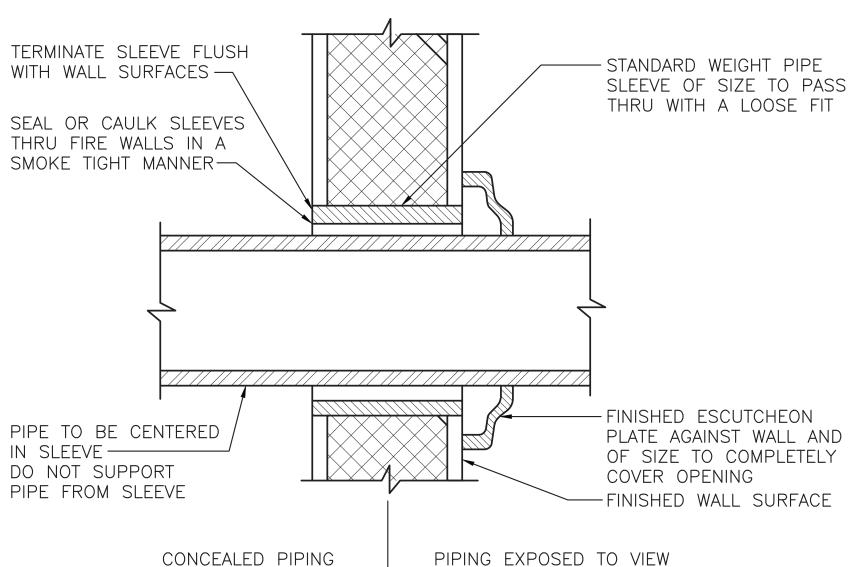
1. SEE DETAIL 3/A80 FOR ADDITIONAL INFORMATION. 2. SEE DETAIL 6/A80 FOR ADDITIONAL INFORMATION. 3. PLUMBING VENTS SHALL TERMINATE A MINIMUM OF 10'-0" AWAY FROM FRESH AIR INTAKES AND/OR

OPERABLE WINDOWS.

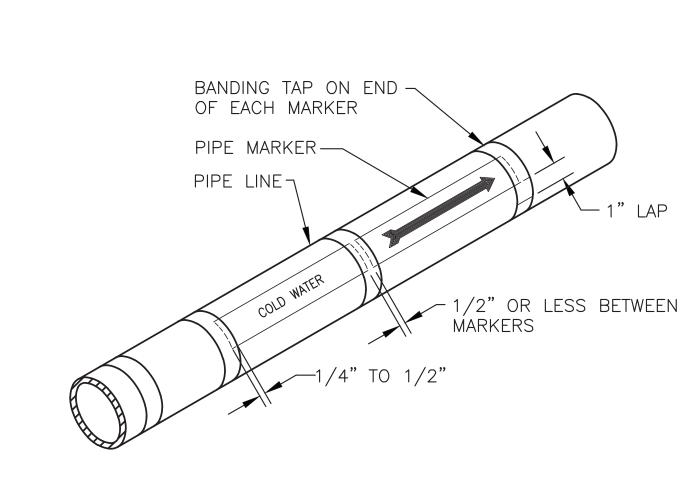


- PROCEDURE FOR BALANCING HOT WATER RETURN PIPING 1. IN ORDER TO BALANCE HOT WATER RETURN TEMPERATURES IN THE RETURN PIPING THIS IS THE PROCEDURE TO BE FOLLOWED:
- BEFORE A RETURN CIRCULATION SYSTEM IS PUT INTO SERVICE, IT SHOULD BE ADJUSTED FOR RETURN LINE TEMPERATURE BALANCE UNDER CONDI-TIONS WHEREBY NO WATER IS DRAWN AT FIXTURE OUTLETS. THE ADJUST-MENT PROCEDURE IS SIMPLE AND MAY BE ACCURATELY DONE USING THER-MOMETERS. FIRST, CLOSE ALL BALANCING VALVES SO THAT ALL CIRCULA-TION GOES THROUGH BRANCH 1. THEN, OPEN THE BALANCING VALVE ON BRANCH 2 TO THE DEGREE NECESSARY SO THAT IT RETURNS WATER CON-STANTLY AT THE SAME TEMPERATURE AS BRANCH 1. SIMILARLY, ADJUST-MENT MAY BE MADE WITH BALANCING VALVE ON ANY OTHER RISERS OR BRANCHES SO THAT ALL RETURN WATER IS AT THE SAME TEMPERATURE.
- 2. CONTRACTOR, AT THE END OF THE PROJECT, TO SUBMIT A REPORT FOR RECORD TO THE ENGINEER THAT THE HOT WATER RETURN CIRCULATION SYSTEM HAS BEEN BALANCED PROPERLY.



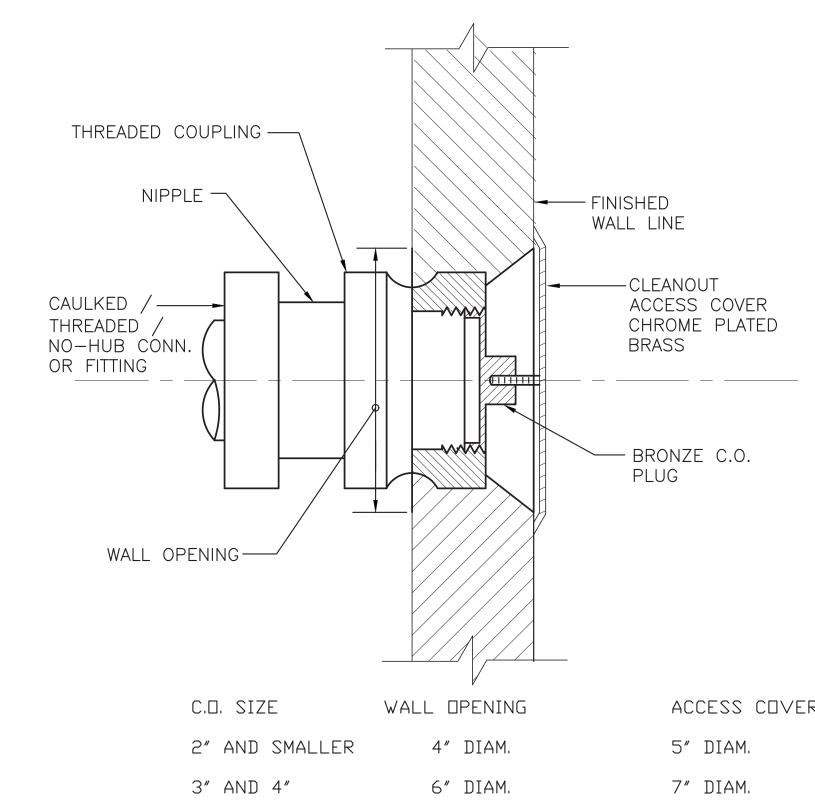


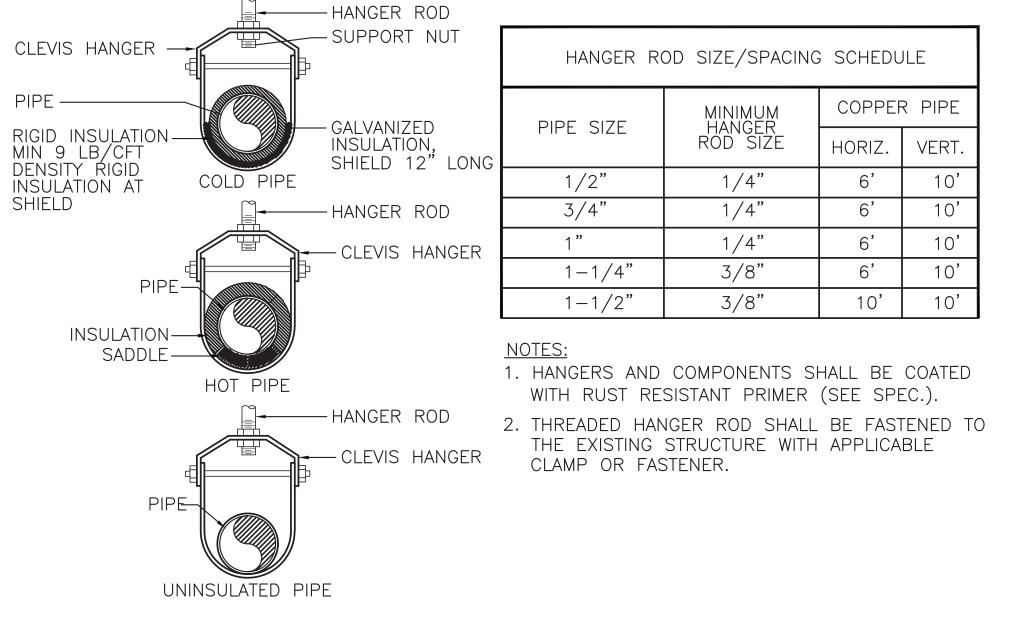
PIPE PENETRATION THROUGH INTERIOR NON-RATED WALL DETAIL



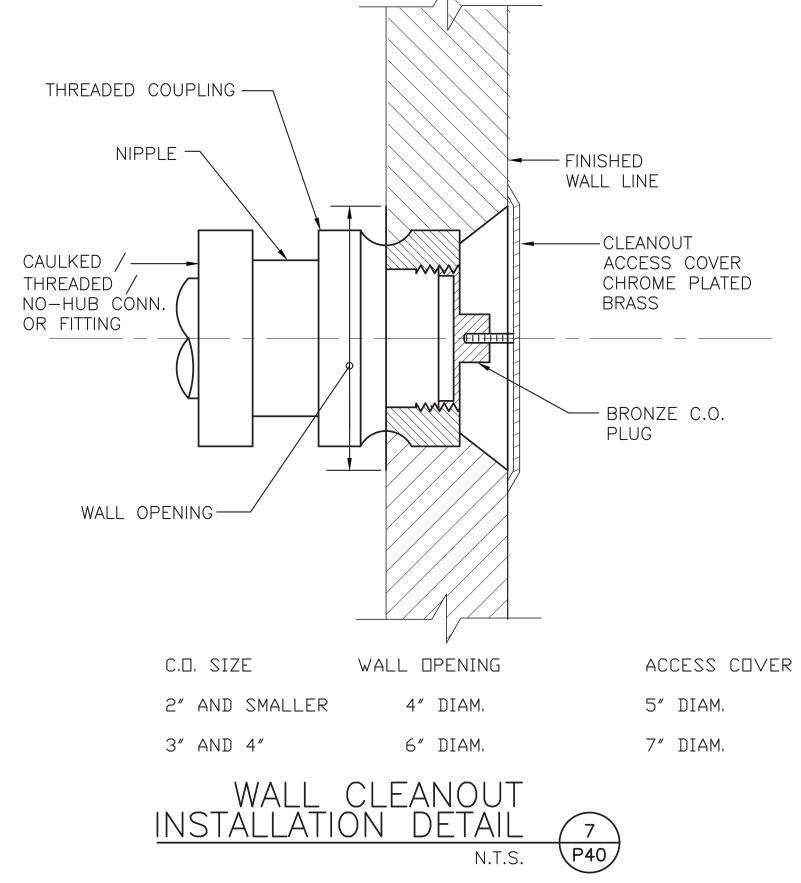


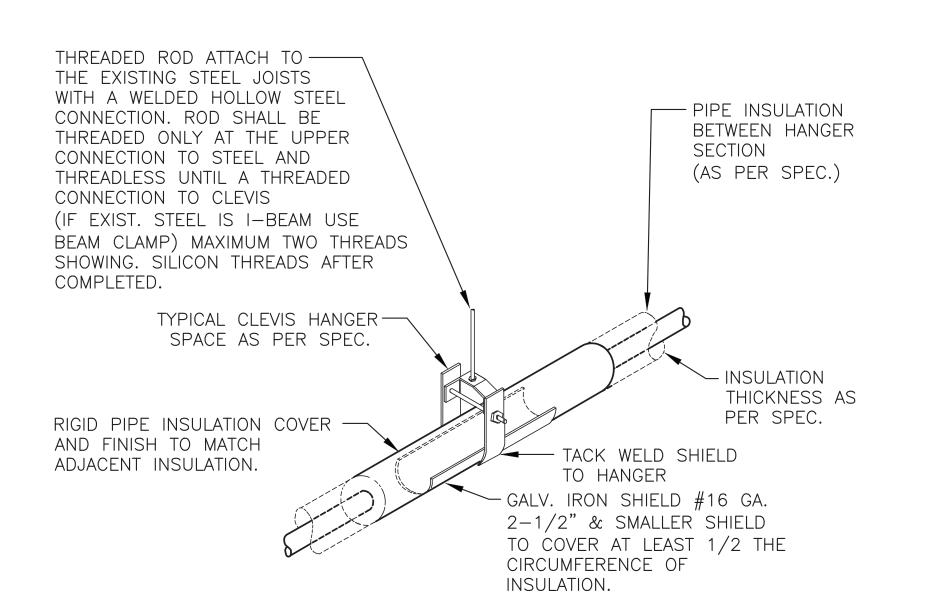
1. USE DOUBLE HEADED ARROWS WHERE FLOW CAN BE IN BOTH DIRECTIONS.





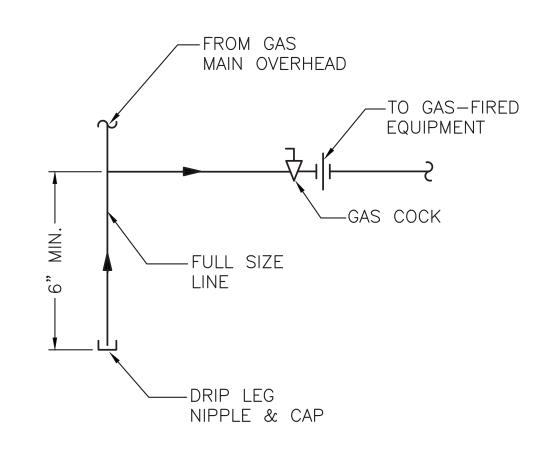






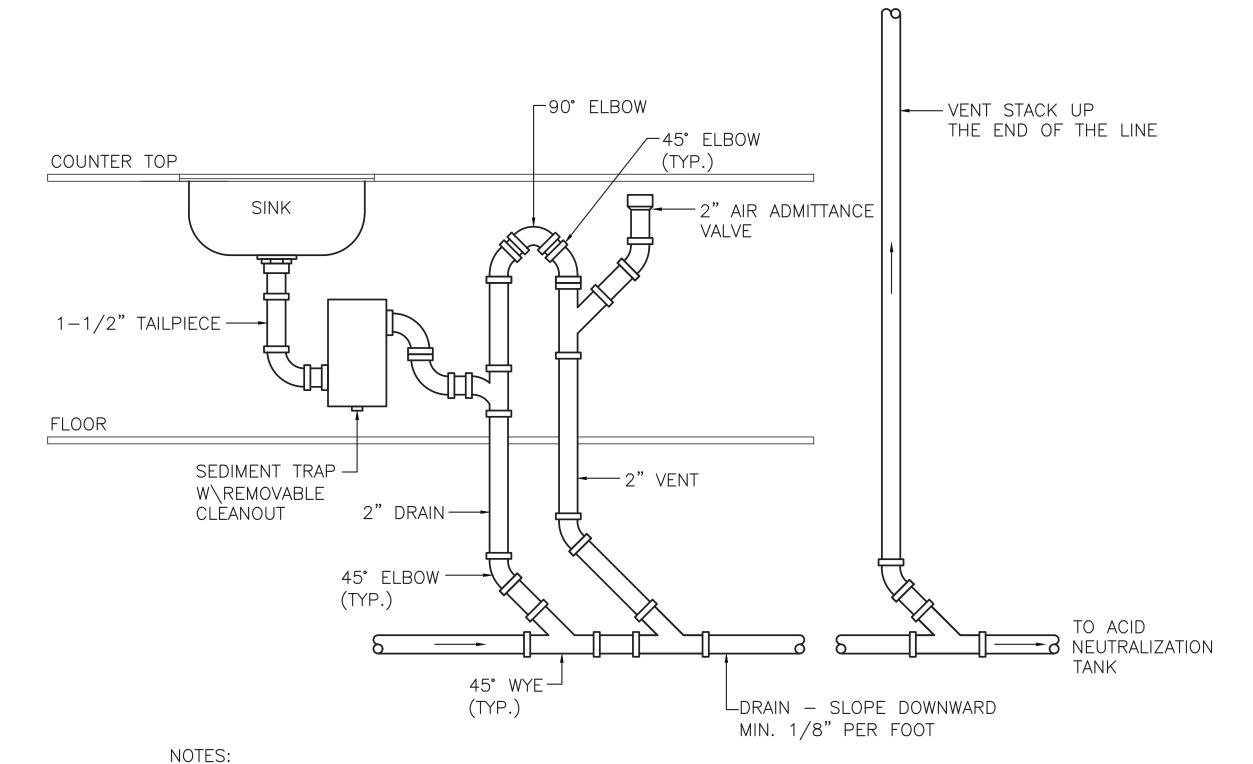


1. HANGERS AND COMPONENTS SHALL BE COATED WITH RUST RESISTANT PRIMER (SEE SPEC.).



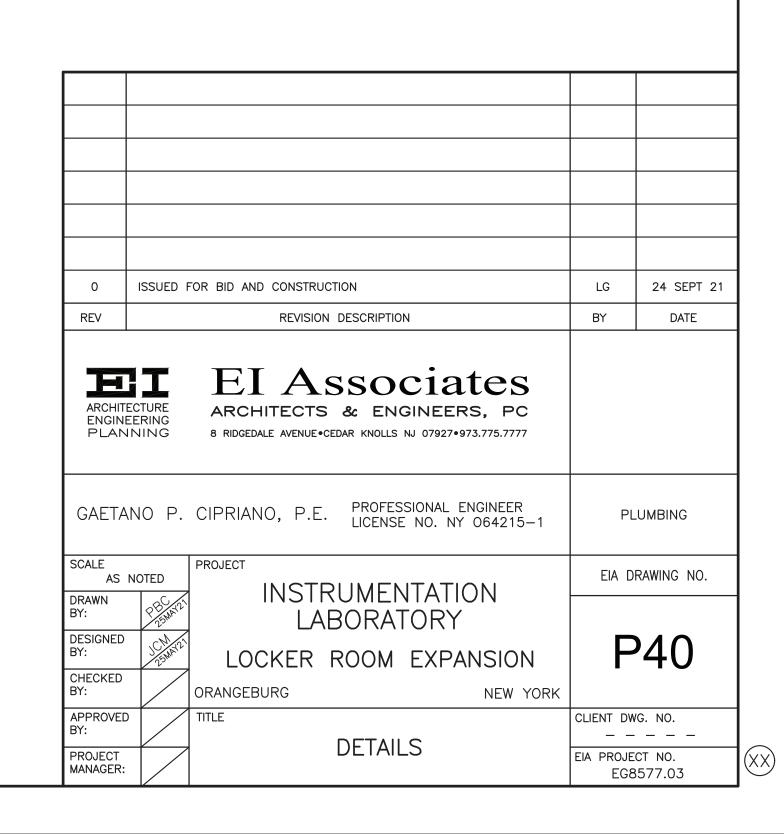
NOTE: REFER TO PLANS FOR LINE SIZES.

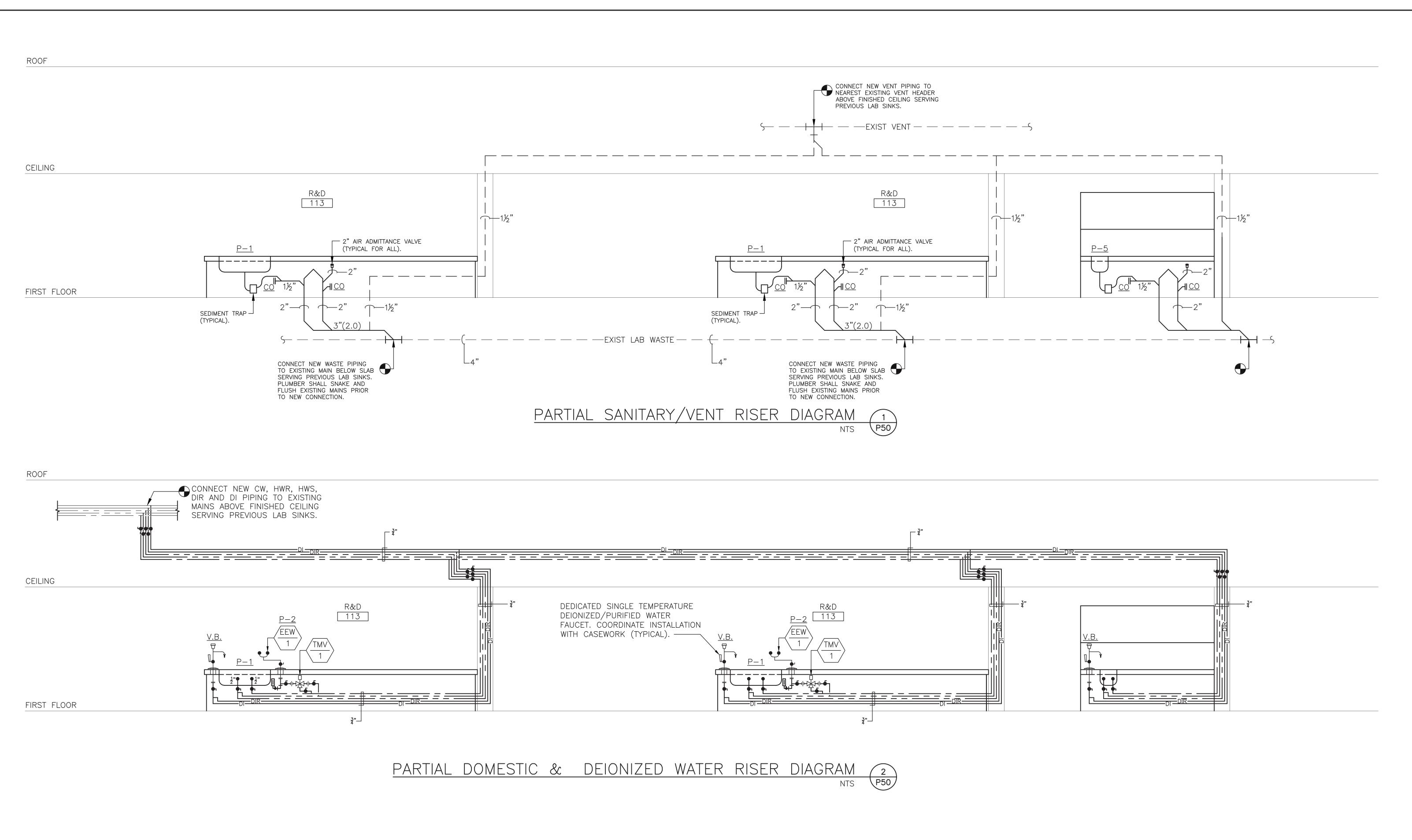


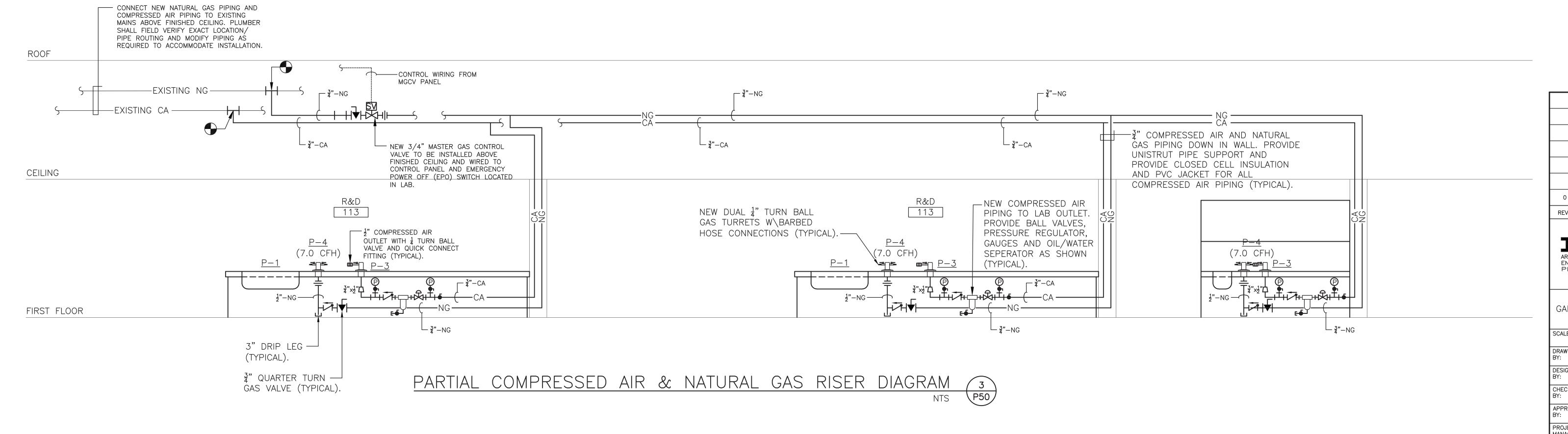


1. COORDINATE EXACT ROUTING AND LOCATIONS WITH FIELD CONDITIONS, MILLWORK/CABINETRY AND PLANS. 2. REFER TO FLOOR PLANS AND RISER DIAGRAMS FOR PROPOSED PIPE ROUTING AND SIZES.









NUMBER FIXTURE	P-1	P-2	P-3	P-4	P-5	MGCV	AAV-1	DCVA
FIXTURE/ SERVICE	LABORATORY SINK	EMERGENCY SHOWER / EYE WASH	SINGLE OUTLET COMPRESSED AIR	DUAL OUTLET NATURAL GAS TURRET	CUP SINK	NATURAL GAS SHUTOFF CONTROL	AIR ADMITTANCE VALVE	DOMESTIC WATER
TYPE	COUNTERTOP	COMBINATION UNIT ADA	DECK MOUNT	DECK MOUNT ADA	BENCH MOUNTED	RELAY CONTROL PANEL & SOLENOID VALVE	MECHANICAL VENT	DOUBLE CHECK VAL
COMPONENT MANUFACTURER MODEL NO.	SINK LAB FIXTURES MODEL# D33E EPOXY RESIN, DROP IN SINK W/SIDE SINK OUTLET 21"x17"x10" DEEP (BY CASEWORK) FAUCET (DHW&DCW) WATERSAVER FAUCET CO. ICI# 9500WSBH L411-VB-FC-1.0 DECK MOUNTED LABORATORY MIXING FAUCET W/6" RIGID VACUUM BREAKER 4" FORGET BRASS WRIST BLADE HANDLES REMOVABLE TEN SERRATION HOSE END 1.0 GPM (BY CASEWORK) DEIONIZED FAUCET COLE-PARMER ICI# CPL611-8VB-BH ITEM# UX-78984-74 SINGLE TEMP DI WATER FAUCET W\VACUUM BREAKER AND BLADE HANDLE (BY P.C.). POLYPROPYLENE SINK OUTLET LAB FIXTURES MODEL# SO3-R (BY CASEWORK) POLYPROPYLENE SINK STOPPER ICI# 9689 MODEL# STPR-02P-B POLYPROPYLENE 1½" TAILPIECE FLOWSERVE DURIRON IRON ALLOY DRUM-TRAP, P SWIVEL TYPE W/ CO MODEL: SA3485 (BY P.C.) SUPPLY %" O.D. FLEXIBLE STAINLESS STEEL BRAIDED TUBING (BY P.C.)	DECK MOUNTED EMERGENCY EYE / FACE WASH (BY P.C.) MANUFACTURER: ACORN MODEL# SOA60—LH OPTIONAL RIGHT OR LEFT HAND INSTALLATION — LH ON PLANS 3.7GPM INTEGRAL FLOW CONTROL; ABS YELLOW PLATIC EYE/FACE WASH HEADS W\ DUST COVERS. 1/2" NPT CHROME PLATED BRASS STAY—OPNE BALL VALVE WITH S.S. PUSH HANDLE AND 50 MESH INLINE STRAINER. UNIVERSAL ANSI COMPLIANT IDENTIFICATION SIGN. CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTATIC MIXING VALVE TMV—1; ACOTN MODEL# ET71—1—BVS—OTG W\SINGLE POLE FLOW SWITCH FLW2. NOTE: SEE MANUFACTURERS SUBMITTAL SHEET FOR ROUGH—IN DIMENSIONS. COORDINATE INSTALLATION WITH CASEWORK.	COMPRESSED AIR DECK MOUNTED; ‡" TURN BALL VALVE; CHROME FINISH, SINGE OUTLET; PROVIDE QUICK DISCONNECT COORDINATE MOUNTING HOLES WITH COUNTER—TOP AND CASEWORK. (BY CASEWORK) PLUMBER SHALL FIELD VERIFY LOCATION AND INSTALLATION REQUIREMENTS PRIOR TO CONSTRUCTION.	GAS TURRET DECK MOUNTED DUAL OUTLET MODEL# L4100-132AWSA DOUBLE BALL VALVES AT 90 DEGREES AND INTEGRAL STRAIGHT SERRATED HOSE ENDS VALVE BODY: FORGED BRASS W\CHROME FINISH VALVE UNIT: QUARTER-TURN OPEN/CLOSE WITH CHROME PATED BRASS BALL AND MOLDED PTFE SEALS HANDLE: FORGED BRASS LEVER HANDLES W/ COLOR COLDED INDEX DISC. INLET: FURNISHED W/ 1/2" IPS MOUNTING SHANK (ASSMBLED), LOCKNUT AND WASHER, 1/2" NPT MALE INLET OUTLET: INTEGRAL (NONREMOVABLE) SEVEN SERRATION HOSE ENDS FIXTURE IS FULLY ASSEMBLED AND FACTORY TESTED PRIOR TO SHIPMENT. GAS TURRETS SHALL BE SHIPPED LOOSE AND INSTALLED ON SITE.	ORION POLYETHYLENE LAB CUP SINK 7"Lx37%"Wx67%"H 6"Lx3"Wx4"D BOWL PERMITS ABOVE OR BELOW MOUNT. COLOR: BLACK DRAIN: 1½" DIA.	ASCO GAS SERVICE RELAY CONTROL PANEL MODEL: 108D90C 120V/60HZ AC VOLT CONTROL SOLENOID VALVE 1-1/4 INCH MODEL: 82158060 SOLENOID VALVE 24DC. 14.9 WATTS. COORDINATE POWER REQUIREMENTS WITH ELECTRICIAN. PROVIDE ALL CONTROL WIRING, CONDUITS, JUNCTION BOXES, ETC.	IPS CORPORATION 10 500 DISTRIBUTION PARKWAY COLLERVILLE, TN 38017 (901)853-5001 STUDOR MINI-VENT 2" W\PROTECTIVE COVER MODEL: 20301 NOTE: AIR ADMITTANCE VALVES SHALL BE INSTALLED ON ALL LAB SINKS. REFER TO ISLAND SINK DETAIL ON DRAWING P41 FOR PIPING LAYOUT.	STRAINER. WATTS SERIES 007 MODEL: 007MQT-S SIZE: 2" TEMPERATURE RATING: 33°F-180°F

				NATURAL GAS	PIPE SCHEDULE		
ITEM	SERVICE	PIPE/TUBE	FINNISH	JOINT	FITTINGS	VALVES	TESTING
NG	NATURAL GAS (LOW PRESSURE)	2" & BELOW: CARBON STEEL, SEAMLESS ASTM A106, GRADE B, SCH. 40. 2½" & ABOVE: CARBON STEEL, ASTM A53, GRADE B, ELECTRIC RESISTANCE WELDED, SCH. 40, ANSI B36.10	N/A	2½ & UNDER: COUPLINGS FULL/REDUCING USE THREADED CONSTRUCTION. 3″ AND OVER: BUTT WELDS, FULL SIZE-USE TEES, REDUCING SIZE-USE THREADOLETS OR BRANCH WELDS.	2½" & UNDER: MALLEABLE IRON FITTINGS, ANSI B16.3, ASTM A197, CLASS 150, STANDARD PATTERN, THREADED ENDS, ANSI B1.20.1 3" AND OVER: CARBON STEEL BUTT WELD FITTINGS, ASTM A234 GRWPB, SEAMLESS OR WELDED, ANSI B16.9, SCH. 40, ANSI B36.10.	2" & UNDER: GAS COCK, 200 PSI, ASTM A726, BRONZE BODY STRAIGHTAWAY PATTERN, WRENCH OPERATED, THREADED ENDS. 2½" AND OVER: PLUG VALVE, WRENCH OPERATED, TAPERED LUBRICATED, CAST IRON BODY, 200 PSI CWP, CLASS 125 FLANGED ENDS.	TEST IN ACCORDANCE WITH NFPA 54, PART 4, "GAS PIPING INSPECTION, TESTING AND PURGING" AND INTERNATIONAL FUEL GAS CODE-2018

NOTES

1. ALL GAS PIPING SHALL BE SANDED, PREPPED, PROMED WITH AS GALVANIZED BASED PRIMER AND PAINTED SAFETY YELLOW WITH A MINIMUM OF 2 COATS OF EPOXY BASED PAINT.

			PL	LUMBING F	PIPE SCHEDULE			
ITEM	SERVICE	PIPE/TUBE	FINISH	MFR.	JOINT	VALVE/ FITTINGS	TESTING	MISC.
SANITARY/ VENT	ABOVE GROUND WASTE/VENT	SERVICE WEIGHT CAST IRON DWV FITTINGS	NA	CHARLOTTE	HUSKY 4000 SERIES SS NO-HUB COUPLING	NA	WATER 10 FT.	_
LAB WASTE/ VENT	LAB WASTE AND VENT	FUSEAL POLYPRO SCH 40 DMV FITTINGS	NA	+GF+ PIPING	ELECTRO-FUSION SOCKET WELD	NA	WATER 10 FT.	SEE NOTE 1
HW/CW	HOT/COLD WATER	TYPE L COPPER	NA	MUELLER	95-5 TIN/ANTIMONY LEAD FREE SOLDER	BALL VALVES W\WROT COPPER FITTINGS	WATER/AIR 100 PSIG	DISINFECT (CUL)
TW	TEPID WATER	TYPE L COPPER	NA	MUELLER	95-5 TIN/ANTIMONY LEAD FREE SOLDER	SANITARY BALL (LOCKABLE HANDLE)	WATER/AIR 100 PSIG	DISINFECT (CUL)
CDIS/R	COLD DI/RO WATER	POLYPROPYLENE (PROGEF NATURAL PP-R)	NA	+GF+ PIPING	BCF PLUS FUSION WELDING	BALL/BCF PLUS	WATER/AIR 100 PSIG	SEE NOTES 5
HDIS/R	HOT DI/RO WATER	316L ASME-BPE SANITARY TUBING	20 RA POLISHED	CSI	ORBITAL WELD/ TRI-CLAMP	DIAPHRAGM—TEFLON/ BPE FITTINGS	WATER/AIR 100 PSIG	SEE NOTES 4, 5
CA	COMPRESSED AIR (0-175PSIG)	TYPE L COPPER	NA	MUELLER	95-5 TIN/ANTIMONY LEAD FREE SOLDER	BALL VALVES W\WROT COPPER FITTINGS	WATER/AIR 275 PSIG	SEE NOTES 6

- NOTES

 1. ACID WASTE PIPING SHALL BE FUSEAL POLYPRO MANUFACTUREED BY GEORGE FISHER HARVEL LLC. ALL PIPING AND SUPPORTS SHALL BE INSTALLED AS PER MANUFACTURERS
- 2. AT CONNECTION TO EXISTING SANITARY MAIN NO-HUB COUPLINGS SHALL BE A MINIMUM OF 4 CLAMPS PER COUPLING. CLAMPS SHALL BE TORQUED TO 80IN-LBS AS PER
- MANUFACTURERS INSTALLATION GUIDELINES. COUPLINGS SHALL BE SIMILAR OR APPROVED EQUAL TO ANACO-HUSKY 4000 HEAVY DUTY SERIES. 3. CASEWORK SHALL BE FURNISHED AND INSTALLED BY CASEWORK VENDOR. PLUMBER SHALL COORDINATE ALL REQUIRED OPENINGS, PIPE CHASES, ACCESS PANELS, ETC WITH THE CASEWORK MANUFACTURER AND PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER AND OWNER PRIOR TO RELEASE FOR FABRICATION.
- 4. ORBITAL WELDS, INTERNALLY PURGED UNDER 99.9998% PURE ARGON/HELIUM BLANKET SHALL BE 10% BOROSCOPE INSPECTED, GASKETS SHALL BE TEFLON.
- 5. PROVIDE 2" CHLORIDE FREE CLOSED CELL INSULATION W/ PVC JACKET.
- 6. PROVIDE A MINIMUM OF (2) BALL VALVES, A REGULATOR, (2) PRESSURE GAUGES, FILTER/DRYERASSEMBLY AND A 3" QUICK CONNECT COUPLER FOR COMPRESSED AIR OUTLETS (TYPICAL). COORDINATE EXÁCT QUANTITY OF COMPRESSED ÀIR OUTLETS WITH BUILDING MÁNAGEMENT PRIOR TO BID.

		PAINAC	SE FIXT	URE SCHEDULE
TAG	NAME	TRAP SIZE (IN.)	DRAIN FIX UNITS	NOTES
P-1	LAB SINK	1-1/2	2	SEE NOTES 1,2

- 1. ALL PIPE SIZES SHOWN ARE MINIMAL REFER TO PLUMBING RISER DIAGRAMS FOR SCHEMATIC PIPING LAYOUT AND PIPE SIZES.
- 2. PROVIDE SEDIMENT TRAP WITH INTEGRAL CLEAN-OUT AS INDICATED ON PLUMBING FIXTURE SCHEDULE.

	WATER	FIXTURE	SCHE	EDULE	
TAG	NAME	BRANCH SIZE (IN.)	WSFU DW	WSFU DHW	NOTES
P-1	LAB SINK	3/4	1	1	_
P-2	EEW	1-1/4	_	_	MAX 20 GPM

NOTES

1. ALL PIPE SIZES SHOWN ARE MINIMAL REFER TO PLUMBING RISER DIAGRAMS FOR SCHEMATIC PIPING LAYOUT AND PIPE SIZES.

0	ISSUED F	FOR BID AND CONSTRU	ICTION			LG	24 SEPT 21
REV		REVISIO	N DESCRIPTIO	N .		BY	DATE
ARCHITE ENGINE PLAN	EERING	ARCHITECTS	8 & EN	GINEERS,	PC		
GAETA		8 RIDGEDALE AVENUE•	PROFES	NJ 07927•973.7 SSIONAL ENG E NO. NY 06	INEER	PL	UMBING
SCALE AS DRAWN		CIPRIANO, P.E PROJECT INST!	PROFES LICENSI	SSIONAL ENGI E NO. NY OG NTATION	INEER 64215–1		UMBING RAWING NO.
SCALE	NO P.	CIPRIANO, P.E PROJECT INST!	PROFES LICENSI RUMEN	SSIONAL ENGI E NO. NY OG NTATION TORY	INEER 64215-1	EIA DI	RAWING NO.
SCALE AS DRAWN BY: DESIGNED	NO P. NOTED	CIPRIANO, P.E PROJECT INSTI	PROFES LICENSI RUMEN	SSIONAL ENGI E NO. NY OG NTATION TORY EXPANS	INEER 64215-1	EIA DI	
SCALE AS DRAWN BY: DESIGNED BY: CHECKED	NO P.	CIPRIANO, P.E PROJECT INSTI LA LOCKER ORANGEBURG TITLE	PROFES LICENSI RUMEN	SSIONAL ENGI E NO. NY OG NTATION TORY EXPANS	INEER 64215–1 N	EIA DI	PAWING NO.