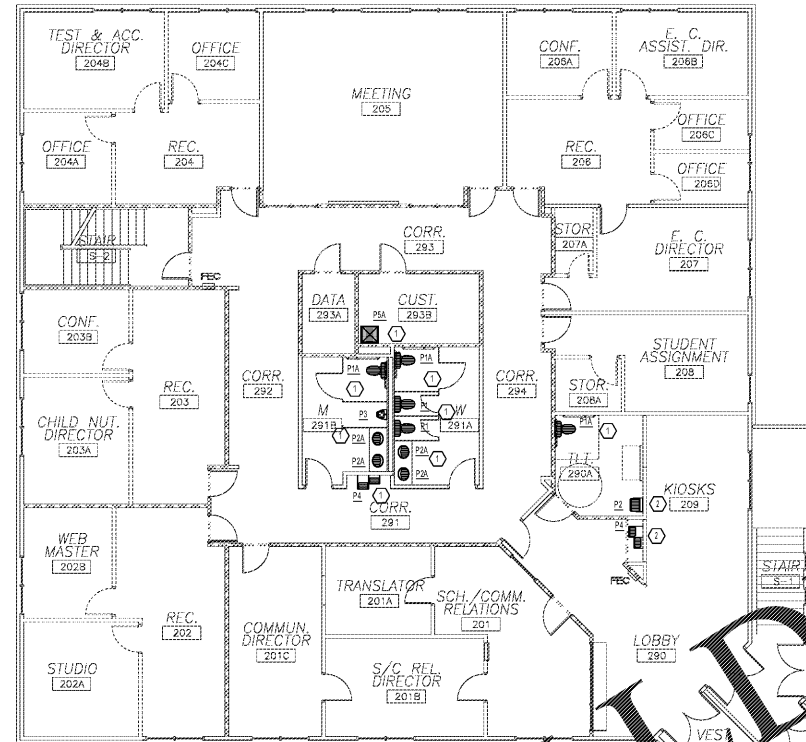


LOWER LEVEL PLUMBING PLAN
SCALE: 1/8" = 1'-0"



UPPER LEVEL PLUMBING PLAN
SCALE: 1/8" = 1'-0"

KEYED CONSTRUCTION NOTES

- APPLIES TO THIS DRAWING ONLY
- 1. INSTALL NEW FIXTURE. PROVIDE NEW BALL VALVE STOPS, SEALS, TRAPS AND INSULATION AS NEEDED.
- 2. EXTEND WASTE, VENT AND SUPPLIES TO NEW FIXTURE LOCATION. PROVIDE NEW BALL VALVE STOPS, SEALS, TRAP AND INSULATION AS NEEDED. PROVIDE PIPE SIZES AS SHOWN IN FIXTURE SCHEDULE.

PLUMBING FIXTURE SCHEDULE & SPECIFICATIONS

NO.	FIXTURE	DESCRIPTION	HT	TRP	IN	DN	VALVE	REMARKS/NOTES
P1	WATER CLOSET TANK TYPE TOILET MODEL #K1055050 WELLWORTH WIRECLOTH COORDINATE COLOR WALL CERAMIC	- INSURE BALL VALVE STOPS AND SUPPLIES - 1/2" GA. CHROME PLATED P-TRAP	2'	2'	1/2"	1/2"	INT.	FL. MTD. - 15 1/2" AFF. TO RM. SEE NOTE 1.
P1A	WATER CLOSET TANK TYPE TOILET MODEL #K1055050 WELLWORTH WIRECLOTH COORDINATE COLOR WALL CERAMIC	- INSURE BALL VALVE STOPS AND SUPPLIES - 1/2" GA. CHROME PLATED P-TRAP	2'	2'	1/2"	1/2"	INT.	FL. MTD. - 17 1/8" AFF. TO RM. SEE NOTE 1.
P2	SINK DROP IN ELAY MODEL #14022284 SINK COMPARTMENT, STAINLESS STEEL	- DELTA MODEL # 1805-001 FAUCET - ELAY MODEL # 1409 DRAINS - INSURE BALL VALVE STOPS AND SUPPLIES - 1/2" GA. CHROME PLATED P-TRAP	2'	2'	1 1/2"	1/2"	30°	COUNTER TOP MOUNTED, 5 1/2" DEEP, 30" WIDE AT CENTER REAR
P2A	SINK DROP IN ELAY MODEL #14022284 SINK COMPARTMENT, STAINLESS STEEL	- DELTA MODEL # 1805-001 FAUCET - ELAY MODEL # 1409 DRAINS - INSURE BALL VALVE STOPS AND SUPPLIES - 1/2" GA. CHROME PLATED P-TRAP	2'	2'	1 1/2"	1/2"	30°	12" DEEP

- NOTES:
- FLUSH VALVE HANDLES SHALL BE TO THE WIDE SIDE OF TOILET STALL PER I.C. ACCESSIBILITY CODE.
 - INSTALL CHECK VALVES ON ALL COLD WATER AND HOT WATER SUPPLIES TO WATER SINKS.
 - ALL HANDICAP SINKS TO BE PROVIDED WITH OFFSET FAUCETS.
 - ALL HANDICAP SINKS/UNITIES TO HAVE INSURE FRONTAL/ENDLESS SEAMLESS PREHUNG P-TRAP AND SUPPLY INSULATION KIT, EQUALS BY LAW GUARD OR TRUBCO.
 - COORDINATE ALL SINKS/CABINETS WITH CABINET MANUFACTURER FOR CLEANANCE AND FIT.

PLUMBING SPECIFICATION

IT IS THE INTENT OF THESE SPECIFICATIONS TO FURNISH A COMPLETE PLUMBING SYSTEM, INSTALLED AND READY TO OPERATE. ALL WORK SHALL BE DONE IN COMPLIANCE WITH NORTH CAROLINA BUILDING CODE AND ALL LOCAL ORDINANCES. THIS CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL NECESSARY PERMITS AND PAY ALL SALES TAXES, TAP AND METER FEES, AND OTHER COSTS, IN CONNECTION WITH HIS WORK.

ALL MATERIAL AND EQUIPMENT HAS BEEN CAREFULLY SELECTED FOR THIS PROJECT AND THE CONTRACTOR IS EXPECTED TO PROVIDE ALL ITEMS AS CLOSELY AS POSSIBLE TO THE SPECIFICATIONS AND DETAILS SHOWN ON THE DRAWINGS.

ALL INCIDENTAL CONSTRUCTION WORK REQUIRED BY THIS CONTRACTOR SHALL BE SHOWN ON THE DRAWINGS AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR ALL ITEMS TO BE FURNISHED AND INSTALLED FOR APPROVAL.

UPON COMPLETION OF ALL WORK AND ALL TESTS, INSTRUCT THE OWNER OR HIS REPRESENTATIVE FULLY IN THE OPERATIONS, ADJUSTMENTS AND MAINTENANCE OF ALL EQUIPMENT FURNISHED. PROVIDE OWNER MAINTENANCE SCHEDULE FOR THE PRINCIPAL ITEMS OF EQUIPMENT FURNISHED. MANUFACTURER'S ADVERTISING LITERATURE OR CATALOGS WILL NOT BE ACCEPTABLE.

ALL MATERIALS AND EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND GOOD RECOMMENDED PRACTICES. ALL WORK AND MATERIALS SHALL MEET APPROVAL OF ARCHITECT/ENGINEER.

THIS CONTRACTOR SHALL GIVE FULL COOPERATION TO OTHER TRADES. WHERE THE WORK OF THIS CONTRACTOR WILL BE INSTALLED IN CLOSE PROXIMITY TO, OR WILL INTERFERE WITH WORK OF OTHER TRADES, HE SHALL ASSIST IN WORKING OUT SPACE CONDITIONS TO MAKE SATISFACTORY ADJUSTMENTS. IF THIS CONTRACTOR INSTALLS HIS WORK BEFORE COORDINATING WITH OTHER TRADES, HE SHALL MAKE THE NECESSARY CHANGES IN HIS WORK TO CORRECT THE CONDITION WITHOUT EXTRA CHARGE.

DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. DRAWINGS ARE NOT TO BE SCALED.

SOIL, WASTE AND VENT PIPING UNDERGROUND INSIDE BUILDING TO SOLID CORE PVC SCH 40 PIPE WITH SOLVENT WELD FITTINGS.

ALL TRENCH AND FLOOR DRAINS TO BE INSTALLED BELOW FINISHED FLOOR LEVEL.

ALL SUPPLY PIPING TO BE TYPE "L" HARD DRAWN COPPER WITH LEAD FREE SOLDER.

ALL HOT AND COLD WATER PIPING ABOVE GRADE WITH IN BUILDING SHALL BE INSULATED. HOT WATER PIPE INSULATION SHALL BE 1" THICK AND COLD WATER INSULATION SHALL BE 1/2" THICK SECTIONAL TYPE, FIBROUS GLASS OR CELLULAR TYPE INSULATION (ARMAFLEX).

ALL LINES TO BE INSULATED CONTINUOUSLY AND SUFFICIENTLY TO PREVENT FREEZING IN EXTREME CONDITIONS. WHERE PIPES ARE INSTALLED IN CEILING PLenums ABOVE BATT INSULATION, THE BATT INSULATION SHALL BE LOOPEL UP OVER THE WATER PIPES. IF IN WALL CHASE, CHASES TO BE LINED WITH STYROFOAM OR FIBERGLASS INSULATION. IF IN CONCRETE BLOCK CELL, PIPE TO BE INSULATED WITH 3/4" ARMAFLEX AND BLOCKS FILLED WITH GRANULAR STYROFOAM PELLETS.

CONTROL VALVES FOR HOT AND COLD WATER LINES SHALL BE BALL VALVES, SWEAT TYPE.

PROVIDE ALL PLUMBING PIPING AND EQUIPMENT IN CONNECTION WITH THE SYSTEM.

PROVIDE ALL HANGERS AND SUPPORTS TO SUPPORT PIPING AND EQUIPMENT. HANGERS AND SUPPORTS IN CONTACT WITH COPPER PIPE SHALL BE COPPER PLATES OR BRASS.

THIS CONTRACTOR TO PERFORM ALL ADJUSTMENTS AND DISINFECTION OF SYSTEMS, EQUIPMENT, CONTROLS, ETC., NECESSARY FOR THE SYSTEM TO PROVIDE THE REQUIRED PERFORMANCE AND TO OPERATE SAFELY. SUBMIT "AS-BUILT" DRAWINGS TO ENGINEER SHOWING ACTUAL, INVERTS AND LOCATIONS OF UNDERGROUND LINES, AND ALL CHANGES.

ALL PIPING SHALL BE THOROUGHLY FLUSHED OUT BEFORE USE.

THE WATER SYSTEM, AFTER IT HAS BEEN COMPLETED, TESTED AND THOROUGHLY FLUSHED TO REMOVE MUD AND DEBRIS, SHALL BE DISINFECTED BY CHLORINATION.

INJECT CHLORINE SOLUTION INTO NEW SYSTEM BY MEANS OF A PUMP AS SYSTEM IS FILLED. CHLORINATED WATER SHALL COMPLETELY DISPLACE ALL AIR AND WATER PRESENT IN NEW SYSTEM. OPEN SPOTS AT END OF DISTRIBUTION IN BUILDINGS UNTIL ALL LINES ARE FILLED WITH CHLORINATED WATER AND AIR IS REMOVED. CHLORINATED WATER SHALL HAVE A MINIMUM CHLORINE CONCENTRATION OF 50 PPM, AND SHALL REMAIN IN THE SYSTEM FOR A MINIMUM OF 24 HOURS. AT THE END OF THIS PERIOD, THE SYSTEM SHALL BE FLUSHED UNTIL ONLY A NORMAL RESIDUAL OF CHLORINE IS PRESENT AS DETERMINED BY THE ORTHO TOLENE TESTS.

SUSPENDED WATER LINES TO BE BRACED TO PREVENT SWAYING DURING THE OPERATION OF VALVES/EQUIPMENT.

GENERAL PLUMBING NOTES

- THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND PLACEMENTS OF PLUMBING FIXTURES AND EQUIPMENT WITH SITE AND ARCHITECTURAL DRAWINGS, INCLUDING RELECTED CEILING PLANS, INTERIOR ELEVATIONS, DETAILS AND SECTIONS, PRIOR TO ROUGH-IN, OR RELOCATE AS DIRECTED BY THE DESIGNER AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPING, FIXTURES, EQUIPMENT, ETC. SHOWN ON THESE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODE REQUIREMENTS.
- PIPE HANGERS SHALL BE SIZED SO THAT INSULATION IS CONTINUOUS AT ALL HANGERS.
- THIS CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AND TRADES TO LOCATE HIS WORK TO AVOID CONFLICTS.
- EXISTING SERVICES INDICATED ON THESE DRAWINGS WERE REPRODUCED FROM EXISTING DRAWINGS AND LIMITED SITE OBSERVATION/SURVEY. THESE DRAWINGS MAY NOT BE ALL INCLUSIVE OF SERVICES THAT EXIST IN THE AREA OF WORK. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND LOCATIONS PRIOR TO CONSTRUCTION. ANY DIFFERENCE THAT IMPACT WORK SHOWN ON THESE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR COORDINATION PRIOR TO CONSTRUCTION.
- THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL OFFSETS, FITTINGS, VALVES, AND ACCESSORIES THAT MAY BE REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, OR RECOMMENDED BY THE EQUIPMENT MANUFACTURER, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN OR SPECIFIED.
- INSTALL ALL PIPING INSIDE OF THERMAL ENVELOPE. SEE ARCHITECTURAL DRAWINGS.
- INSTALL BALL VALVE STOPS ON ALL FIXTURE HOT WATER AND COLD WATER SUPPLIES.
- ALL EQUIPMENT CONNECTIONS SHALL BE COORDINATED WITH EQUIPMENT DRAWINGS AND EQUIPMENT VENDOR. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY PIPING, SHUT-OFF VALVES, P-TRAPS, P-RV'S, ETC. REQUIRED TO INSTALL EQUIPMENT AND MAKE FINAL CONNECTIONS.
- ALL DOMESTIC WATER PIPE, TRM, AND FITTINGS TO BE LEAD FREE.

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