

PLUMBING NEW WORK PLAN
SCALE: 1/8" = 1'-0"

PLUMBING NOTES:

GENERAL:

1. VERIFY* SHALL MEAN CHECK CONDITIONS ON SITE AGAINST DRAWINGS AND SPECIFICATION AND ADJUST WORK TO MATCH EXISTING. OBTAIN RULING FROM OWNER ON ANY ITEMS REQUIRING CLARIFICATION.
2. THE NEW PLUMBING SYSTEM (DOMESTIC COLD WATER) SHALL BE INSTALLED COMPLETE AND IN ACCORDANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS, LOCAL HEALTH DEPARTMENT STANDARDS AND THE OWNER'S REQUIREMENTS.
3. THE SYSTEM SHALL BE FREE OF ANY NOISE AND VIBRATIONS.
4. THE PLUMBING WORK SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODES, GA STATE AMENDMENTS, THE GEORGIA STATE ACCESSIBILITY CODE & ALL APPLICABLE SECTIONS OF NFPA AND ANSI AND THE GUIDELINES OF ASPE.
5. THE CONTRACTOR SHALL CONFIRM AND ENSURE THAT ALL PLUMBING WORK CONFORMS TO THE CURRENT REQUIREMENTS OF THE LOCAL BUILDING INSPECTION DEPARTMENT.
6. ALL PLUMBING EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
7. ALL FIXTURES AND EQUIPMENT SHALL BE INSTALLED LEVEL, PLUMB AND RUN PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS UNLESS INDICATED OTHERWISE.
8. CONTRACTOR SHALL SECURE ALL PERMITS, INSPECTION CERTIFICATES, AUTHORITY APPROVALS AND PAY ALL RELATED FEES AND CHARGES.
9. ALL NEW PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
10. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE OR MATERIAL WHICH MAY BE NECESSARY TO MAKE THE WORK COMPLETE AND FULLY OPERATIONAL, EVEN IF NOT EXPLICITLY STATED, SHALL BE PROVIDED FOR BY THE CONTRACTOR.
11. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ALL ELECTRICAL AND MECHANICAL WORK AND STRUCTURAL MEMBERS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH WERE DAMAGED BY HIS OPERATION.
13. EXACT LOCATIONS & ROUGH-IN REQUIREMENTS FOR ALL FIXTURES & EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS. LARGE SCALE ARCHITECTURAL DETAILS & APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED BY OTHER TRADES.
14. PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED). EXACT LOCATIONS SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES & ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS & DUCTWORK. DO NOT RESTRICT ACCESS TO ANY EQUIPMENT.

DOMESTIC WATER PIPING:

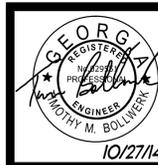
15. DOMESTIC COLD WATER PIPING ABOVE GRADE SHALL BE TYPE L COPPER TUBING. FITTINGS SHALL BE WROUGHT COPPER WITH LEAD FREE SOLDER. PIPING SHALL NOT TOUCH FERROUS MATERIALS. FIRMLY SUPPORT PIPING USING NON FERROUS PIPE SUPPORTS.
16. PROVIDE A BALL-COCK STOP ON WATER SUPPLY IN BRANCH PIPE TO EACH PLUMBING FIXTURE WHETHER SHOWN ON THE DRAWINGS OR NOT.
17. UNIONS SHALL BE PROVIDED AFTER EACH SCREW TYPE VALVE AND AT EQUIPMENT CONNECTIONS. PROVIDE ISOLATION UNIONS ON ALL CONNECTIONS BETWEEN DISSIMILAR METALS.

INSULATION:

18. INSULATE ALL ABOVE GROUND HOT AND COLD WATER PIPING AND FITTINGS WITH:
 - A. PRE-FORMED ARMAFLEX AP INSULATION, 1" THICK. USE ARMAFLEX 520 ADHESIVE ON ALL JOINTS. INSULATION CONDUCTIVITY SHALL BE MAXIMUM 0.27 (BTU*IN)/(HR*FT2*F) PER ASTM C 177.
 - B. PRE-FORMED NOMALOCK EPFI INSULATION INSULATION, 1" THICK. WITH A PRE-GLUED PRESSURE SENSITIVE ADHESIVE CLOSURE SYSTEM. INSULATION CONDUCTIVITY SHALL BE MAXIMUM 0.27 (BTU*IN)/(HR*FT2*F) PER ASTM C 177.
 - C. PRE-FORMED MICRO-LOK FIBER GLASS INSULATION, 1" THICK. WITH FACTORY APPLIED LONGITUDINAL ACRYLIC CLOSURE SYSTEM & FACTORY SUPPLIED BUTT STRIPS. INSULATION CONDUCTIVITY SHALL BE MAXIMUM 0.24 (BTU*IN)/(HR*FT2*F) PER ASTM C 177.

FIRE PROTECTION NOTES:

1. THE CONTRACTOR MODIFY THE EXISTING FIRE PROTECTION SYSTEM SYSTEMS IN FULL COMPLIANCE WITH NFPA 13, NFPA 24, NFPA 20 & AIRPORT DESIGN CRITERIA AS APPLICABLE. REFER TO ARCHITECTURAL DRAWINGS FOR NAMES OF ALL AREAS, FIRE RATINGS, FIXTURE LAYOUTS, ETC.
2. DESIGN CRITERIA: THE CONTRACTOR SHALL DETERMINE THE SPECIFIC REQUIREMENTS OF THE OWNER'S INSURERS AND THE AUTHORITY HAVING JURISDICTION, INCLUDING DESIGN DENSITIES, AREA OF OPERATION AND REQUIRED HAZARD CLASSIFICATION AND OTHER ADDITIONAL SPECIAL REQUIREMENTS AND PROVIDE A SYSTEM TO SUIT. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH DOCUMENTED VERIFICATION OF ALL REQUIREMENTS.
3. THE INSTALLATION SHALL BE DESIGNED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS UNLESS MODIFIED BY THE OWNER'S FIRE INSURANCE CARRIERS INTERPRETATION GUIDE. ALL PLANS AND FINAL INSTALLATIONS ARE SUBJECT TO ACCEPTANCE BY THE FIRE INSURANCE CARRIER AND THE AUTHORITY HAVING JURISDICTION.
4. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS THAT COMPLY WITH AND PROVIDE ALL THE INFORMATION ITEMIZED UNDER NFPA 13, "WORKING PLANS", "HYDRAULIC CALCULATION FORMS", "WATER SUPPLIES". DRAWINGS SHALL BE PREPARED BY A REGISTERED FIRE PROTECTION PROFESSIONAL ENGINEER OR BY A FIRE PROTECTION CONTRACTOR CERTIFIED IN THE STATE AND COUNTY TO DO SUCH WORK.
5. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED FOR PERMITTING & APPROVALS BY THE OWNER'S INSURANCE UNDERWRITERS AND THE AUTHORITY HAVING JURISDICTION. SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS MUST BE APPROVED PRIOR TO DOING ANY WORK.
6. SPRINKLER CONTRACTOR'S CERTIFICATION NUMBER AND DATE OF EXPIRY SHALL BE IDENTIFIED ON THE DRAWINGS AND CALCULATIONS. CONFIRMATION OF REGISTRATION/CERTIFICATION SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR AND OWNER PRIOR TO COMMENCING WORK. THE SYSTEM INSTALLER SHALL BE CERTIFIED BY THE COUNTY LOCAL AUTHORITY AND THE AUTHORITY HAVING JURISDICTION TO DO FIRE SPRINKLER PROTECTION WORK IN THE COUNTY.
7. THE CONTRACTOR SHALL PAY ALL FEES REQUIRED. THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE.



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REVISIONS:

▲	FIRE PROTECTION NOTES
	01/09/15

10-27-14
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P-1
OF: 1

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