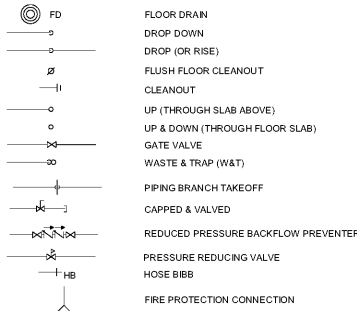
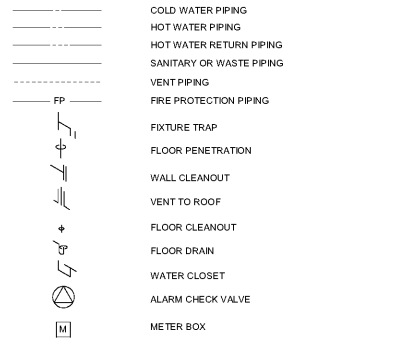


PLUMBING/FIRE PROTECTION LEGEND



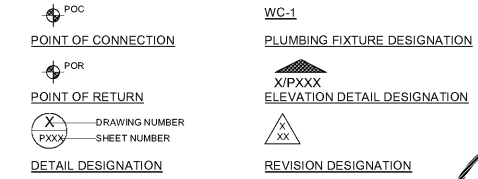
GENERAL NOTES

- 1. CONTRACTOR SHALL COORDINATE ALL PLUMBING SYSTEMS WITH ALL OTHER TRADES, SO NOT TO CAUSE INTERFERENCES.
2. CONTRACTOR SHALL FIELD VERIFY ALL SITE UTILITY CONNECTIONS OR SIZE, LOCATION, AND DEPTH AND INSTALL ALL SYSTEMS IN ACCORDANCE WITH CONDITIONS FOUND (PRIOR TO BEGINNING INSTALLATION). ANY PART OF PLUMBING SYSTEMS INSTALLED INCORRECTLY DUE TO NOT VERIFYING SAME SHALL BE REMOVED AND CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
3. CONTRACTOR SHALL GUARANTEE ENTIRE SYSTEM FOR A PERIOD OF ONE YEAR AFTER FINAL DATE OF ACCEPTANCE.
4. PROVIDE SMOKE-RATED SEALANT FOR ALL PENETRATIONS THROUGH WALLS, CEILING AND ROOFS. PROVIDE FIRE STOP SEALANT AROUND ALL PENETRATIONS THROUGH FIRE RATED WALLS, SO AS TO MAINTAIN FIRE INTEGRITY IN THE EVENT OF A FIRE.
5. CONTRACTOR SHALL INSTALL ALL PLUMBING SYSTEMS IN A GOOD WORKMANSHIP MANNER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES.
6. CONTRACTOR SHALL REVIEW ENTIRE SET OF DOCUMENTS INCLUDING PLUMBING PLANS AND ADVISE ARCHITECT IN WRITING PRIOR TO BEGINNING CONSTRUCTION IF THERE ARE ANY CODE VIOLATIONS, SPACE CONFLICTS AND/OR OTHER COORDINATION CONFLICTS WITH OTHER TRADES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH CODES, ETC.
7. SEE ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS, AND EXACT LOCATIONS OF ALL FIXTURES.
8. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS WHERE SPACE AND/OR COORDINATION ISSUES ARISE AND TO CONFIRM ALL SPACE ALLOCATIONS.
9. CONTRACTOR SHALL PROVIDE TAMPER PROOF, LOCKABLE ACCESS PANELS FOR ALL CONCEALED VALVES, WATER HAMMER ARRESTORS, ETC.
10. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CHARACTERISTICS OF ELECTRICAL OPERATED EQUIPMENT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING SAME. THIS APPLIES TO VOLTAGE, PHASE, RATED CAPACITIES, ETC.
11. CONTRACTOR SHALL OFFSET ALL PIPING IN BUILDING AS REQUIRED TO PROPERLY INSTALL PLUMBING SYSTEMS.
12. CONTRACTOR SHALL PROVIDE SHUTOFF VALVES ON ALL BRANCH ROUNDOUTS TO FIXTURES. NO EXCEPTIONS!
13. AT COMPLETION OF PROJECT, THE CONTRACTOR SHALL REMOVE ALL AERATORS, FILTERS, ETC. AND FLUSH SYSTEM OUT THOROUGHLY.
14. CONTRACTOR SHALL VERIFY ALL CONNECTIONS OF MISC. EQUIPMENT FURNISHED BY OTHERS PRIOR TO INSTALLING THE SAME AND MAKE ALL CONNECTIONS FOR THE SAME.
15. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE. ALL HOLES THROUGH CONCRETE SHALL BE CORE DRILLED. VERIFY LOCATION WITH ARCHITECT BEFORE COMMENCING WORK.
16. ALL PIPING SHALL BE TESTED AND PROVEN TIGHT BEFORE PIPE IS CONCEALED.
17. ALL SANITARY PIPING SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1/8" PER FOOT, UNLESS NOTED OTHERWISE ON THE PLANS.
18. ALL PIPING BELOW GRADE MUST BE INSTALLED A MINIMUM OF 6" BELOW THE BOTTOM OF THE SLAB.
19. ALL VENTS THROUGH ROOF SHALL OFFSET TO NON-STREET FACING ROOF SLOPE.
20. DO NOT INSTALL CLEANOUTS IN KITCHEN BACK SPLASHES OR LIVING/DINING ROOM WALLS.
21. SHOWN DOMESTIC WATER SHUT-OFF VALVES, SANITARY LINES AND CLEANOUTS ON AS-BUILT DRAWINGS.

ABBREVIATIONS

Table with columns A, B, C, D, E, F, G, H, I, J, L and corresponding abbreviations and descriptions for plumbing fixtures and components.

SYMBOLS LEGEND



FIRE PROTECTION SEISMIC NOTES

- 1. PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL SEISMIC ZONE REQUIREMENTS.
2. PROVIDE SEISMIC RESTRAINT FOR BUILDING ELEMENTS AS REQUIRED IN LOCAL SEISMIC ZONE AND AS REQUIRED BY STATE FIRE MARSHALL AND OTHER GOVERNING AUTHORITIES.
3. CONTRACTOR SHALL OBTAIN SERVICES OF AN INDEPENDENT CONTRACTOR TO ADVISE AND SUPERVISE ALL INSTALLATION OF SEISMIC RESTRAINTS SYSTEM SO AS TO BE ASSURED THAT FINAL INSTALLATION OF SYSTEM MEETS AND/OR EXCEEDS LOCAL SEISMIC ZONE REQUIREMENTS. SUBMIT DETAILED SHOP DRAWINGS OF SAME FOR APPROVAL PRIOR TO BEGINNING INSTALLATION OF SYSTEMS. DETAILED SHOP DRAWINGS SHALL BE DESIGNED & SEALED BY A LICENSED ENGINEER OF THE STATE WHERE STRUCTURE IS LOCATED.
4. THE INFORMATION GIVEN HEREON ON PLANS IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES. BUT ITS ACCURACY IS NOT GUARANTEED. THE AUTOMATIC SPRINKLER CONTRACTOR MUST EVALUATE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC. BEFORE STARTING WORK.
5. ALL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO PROPER DRAWINGS FOR EXACT LOCATIONS, SIZES, AND QUANTITIES OF OTHER TRADES' WORK.
6. ACTIVATION OF FLOW ALARM DEVICE SHALL CAUSE GENERAL ALARM THROUGHOUT THE BUILDING. ELECTRICAL WIRING BY DIVISION 16.
7. DO NOT INSTALL ANY PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.
8. DO NOT INSTALL FIRE PROTECTION PIPING ABOVE THE INSULATION IN THE ATTIC.

FIRE PROTECTION NOTES

- 1. SPRINKLER AREAS ASSOCIATED ON THESE PLANS PER LOCAL FIRE DEPARTMENT CODE WITH LATEST SUPPLEMENTS AND AMENDMENTS AND PER OWNER'S NOTICE.
2. HYDRAULIC CALCULATION SYSTEM WITH A MINIMUM DENSITY NOTED IN SPECIFICATIONS.
3. THE AUTOMATIC SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, RAISES OR LOWERINGS IN PIPING AND AUXILIARY DRAINAGE REQUIRED BY BUILDING CONDITIONS WHETHER OR NOT SHOWN ON THE PLANS.
4. THE INFORMATION GIVEN HEREON ON PLANS IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES. BUT ITS ACCURACY IS NOT GUARANTEED. THE AUTOMATIC SPRINKLER CONTRACTOR MUST EVALUATE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC. BEFORE STARTING WORK.
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8. DO NOT INSTALL FIRE PROTECTION PIPING ABOVE THE INSULATION IN THE ATTIC.

MISC. CODE NOTES

- 1. PERMITS SHALL BE APPLIED FOR BY LICENSED CONTRACTOR.
2. ANY CONTRACTOR WHO DESIRES TO INSTALL, ENLARGE, ALTER, REPAIR, MOVE, REPLACE A PLUMBING SYSTEM, WHICH IS TO BE REGULATED BY THE CODE, SHALL FIRST MAKE APPLICATION AND OBTAIN THE REQUIRED PERMIT BEFORE WORK.
3. PLUMBING PLANS & INSTALLATION SHALL BE SUBJECT TO ALL INSPECTOR'S COMMENTS & FIELD APPROVAL.
4. FLOOR DRAINS LOCATED IN SUCH AREAS AS WET ROOMS WILL NOT BE REPLENISHED SHALL HAVE EITHER A MINIMUM 12" DEEP SEWAGE TRAP, TRAP HAMMER, OR BE ON AN INDIRECT SYSTEM.
5. ALL OF PLUMBING SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH 2009 MEMPHIS & SHELBY COUNTY PLUMBING CODE, AMENDMENTS, PLUMBING INSPECTORS & PLANS EXAMINER REVIEW.
6. PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT WASTE OPENING TO WITHIN 2 FEET OF ALL COOLING COILS & EVAPORATORS FOR CONDENSATE. ROUTE TO HOUSE SIDE OF ACTIVE TRAP & CONNECT TO SAME. VERIFY LOCATIONS IN FIELD WITH HVAC CONTRACTOR PRIOR TO BEGINNING INSTALLATION OF SYSTEMS.
7. WATER SUPPLY & SEWER SHALL BE PERMITTED & INSPECTED THROUGH PLUMBING DEPARTMENT.

FIRE SUPPRESSION SPRINKLER SCHEDULE

Table with columns SYMBOL, TYPE, DESCRIPTION, LOCATIONS, and BASIS OF DESIGN for fire suppression sprinkler schedule.

PLUMBING FIXTURE SCHEDULE

Table with columns SYMBOL, DESCRIPTION, WASTE, VENT, H.W., C.W., and BASIS OF DESIGN for plumbing fixture schedule.

WATER HEATER SCHEDULE

Table with columns SYMBOL, TYPE, INPUT, ELECTRICAL, TANK CAPACITY, RECOVERY RATE @ 70 DEG RISE, and BASIS OF DESIGN for water heater schedule.

1. RECOVERY RATES ARE MINIMUM.

BACKFLOW PREVENTER SCHEDULE

Table with columns ID, TYPE, SIZE, APPLICATION, and BASIS OF DESIGN for backflow preventer schedule.

NOTES: ROUTE RELIEF DRAIN TO NEAREST FLOOR DRAIN OR DRAIN PAN.



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Issues and Revisions

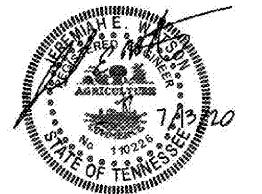
Table with columns Date, Issued / Revised, and Description for issues and revisions.

BUILDING ADDRESSES

- TYPE G-B 402, 444, 446, 448 BATHFILL LANE
224, 226, 228, 230 SHIMMEL PLACE
TYPE H-A 324, 400 WANG AVE
316, 364 FOOTE LANE
TYPE L-C 365, 431 WANG AVE
TYPE L-A 327 SHIMMEL PLACE
TYPE M-A 402, 428 FOOTE LANE

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Seal



LRK Project Number: 01.15100.02

Project Name: South City CNI Phase 4
Memphis TN

Drawing Name: PLUMBING/FIRE PROTECTION LEGEND AND GENERAL NOTES

Drawn By: EDM

Checked By: JEW

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