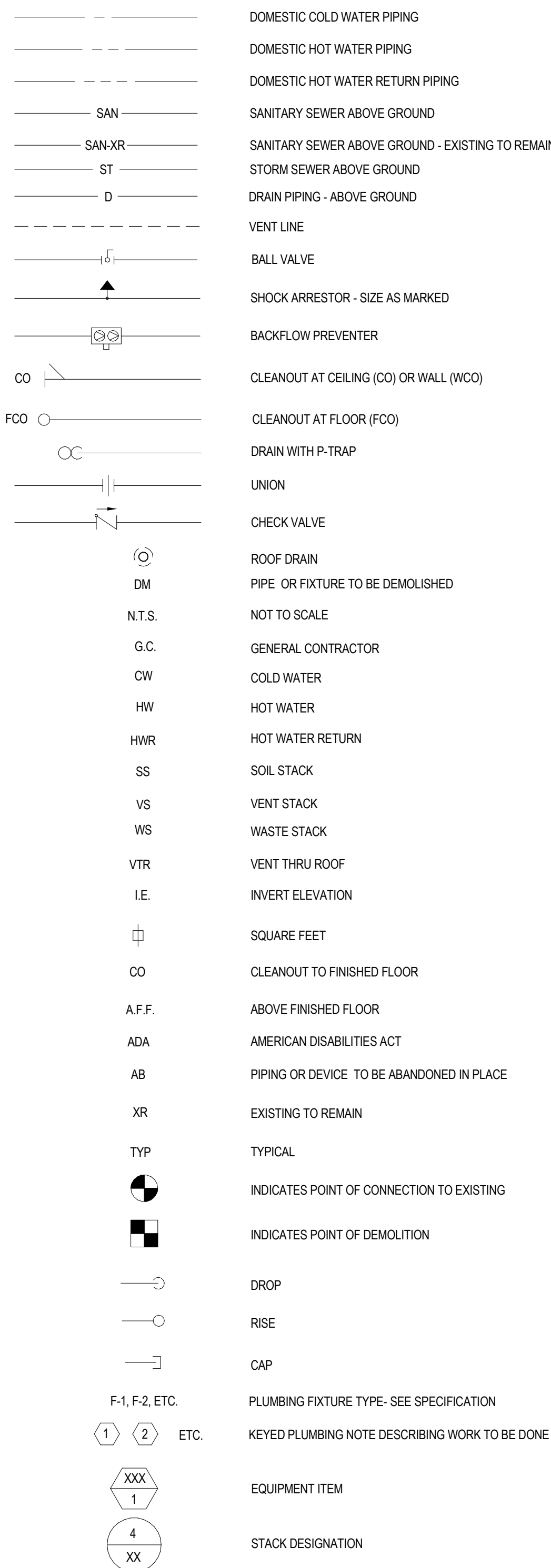


PLUMBING SYMBOLS AND ABBREVIATION LEGEND



PLUMBING FIXTURE SCHEDULE

SEE SPECIFICATIONS FOR FIXTURE TYPE DESCRIPTION

| TYPE | DESCRIPTION | SIZE | | | | | COMMENTS |
|--------|---------------------------|---------|-------|------|------|------|---|
| | | FIXTURE | WASTE | VENT | HW | CW | |
| W-1 | WATER CLOSET | ---- | 4" | 2" | ---- | 1" | WALL MOUNTED |
| L-1:HC | WATER CLOSET - ACCESSIBLE | ---- | 4" | 2" | ---- | 1" | WALL MOUNTED, ADA HEIGHT BOWL |
| L-1:HC | LAVATORY - ACCESSIBLE | ---- | 2" | 2" | 1/2" | 1/2" | WALL HUNG, SENSOR FAUCET (BATTERIES) - ACCESSIBLE |
| U-1:HC | URINAL - ACCESSIBLE | ---- | 3" | 2" | ---- | 1" | WALL HUNG, SENSOR FAUCET (BATTERIES) - ACCESSIBLE |
| MB-1 | MOP BASIN | ---- | 4" | ---- | 1/2" | 1/2" | PROVIDE MOP HOOK |
| S-1 | STAINLESS STEEL SINK | ---- | 2" | 2" | 1/2" | 1/2" | COUNTER MOUNTED - DOUBLE BOWL |
| S-2 | STAINLESS STEEL SINK | ---- | 2" | 2" | 1/2" | 1/2" | COUNTER MOUNTED - SINGLE BOWL |

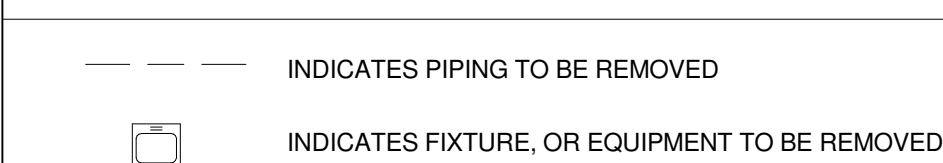
MISCELLANEOUS EQUIPMENT AND SPECIALTIES

| TAG | DESCRIPTION | WASTE CONN | VENT CONN | HOT WATER | COLD WATER | REMARKS |
|---------|----------------------------|------------|-----------|-----------|------------|---------------------------------|
| SA | SHOCK ARRESTOR | | | | | SIZED PER FIXTURE UNIT CAPACITY |
| FD-1 | FLOOR DRAIN | 4" | | | | PROVIDE FUNNEL |
| FD-1-TP | FLOOR DRAIN W/ TRAP PRIMER | 4" | | | 1/2" | PROVIDE 1/2" CW CONNECTION |
| RD-1 | ROOF DRAIN | | | | | |

PLUMBING PIPING INSULATION SCHEDULE

| DESCRIPTION | PIPE SIZE | INSULATION THICKNESS | TYPE | COMMENTS |
|---------------------------|----------------|----------------------|---------------------------------------|--|
| DOMESTIC HOT WATER | UP TO 1-1/2" | 1" | FLEXIBLE ELASTOMERIC INSULATION | |
| DOMESTIC HOT WATER | OVER TO 1-1/2" | 1-1/2" | FLEXIBLE ELASTOMERIC INSULATION | |
| DOMESTIC HOT WATER RETURN | UP TO 1-1/2" | 1" | FLEXIBLE ELASTOMERIC INSULATION | |
| DOMESTIC COLD WATER | ALL SIZES | 1" | MINERAL FIBER OR FLEXIBLE ELASTOMERIC | |
| CONDENSATE DRAIN PIPING | ALL SIZES | 1/2" | PVC P-TRAP AND SUPPLY COVERS | PROVIDE FOR DOMESTIC WATER SUPPLIES AND STOPS FOR ACCESSIBLE FIXTURES. |

DEMOLITION LEGEND



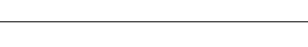
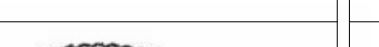
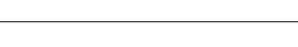

GENERAL PLUMBING NOTES

1. ALL WORK SHOWN IS NEW UNLESS INDICATED OTHERWISE.
2. ALL EXISTING SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS.
3. CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE WHICH MIGHT OCCUR DUE TO THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY SERVICES, INCLUDING WORK IN EXISTING PIPE CHASES.
4. ALL EXISTING PLUMBING LINES, RISERS, ETC. ENCOUNTERED DURING ALTERATIONS, WHETHER INDICATED OR NOT, SHALL BE DETERMINED TO BE ACTIVE OR INACTIVE BY THIS CONTRACTOR, PRIOR TO COMMENCING ANY WORK. IF LINES ARE ACTIVE THEY SHALL BE OFFERED TO THE OWNER AT THEIR ORIGINAL LOCATIONS. OFFSETS SHALL BE OF THE SAME SIZE AND MATERIAL AS EXISTING, INCLUDING ANY INSULATION. REMOVE ALL USELESS AND INACTIVE PIPING BACK TO THE MAIN STACK OR RISER, CAP, AND ALL USELESS HOLES IN WALLS AND CEILINGS SHALL BE PATCHED TO MAINTAIN FIRE RATING. ALL SUCH WORK SHALL BE RECORDED ON THE "RECORD" DRAWINGS.
5. THE DRAWINGS ARE DIAGNOSTIC; THE CONTRACTOR MUST FIELD VERIFY ACTUAL CONDITIONS AT THE SITE PRIOR TO PROCEEDING WITH THE WORK. COORDINATE INSTALLATION OF ALL NEW PIPING, EQUIPMENT, ETC. WITH ALL OTHER TRADES.
6. PATCH ALL OPENINGS IN EXISTING CONSTRUCTION WHERE PLUMBING PIPING HAS BEEN REMOVED, OR WHERE PLUMBING PIPING TO REMAIN IS NOT SEALED. MAINTAIN EXISTING RATING.
7. COORDINATE LOCATIONS OF FLOOR DRAINS IN MECHANICAL ROOM WITH ACTUAL EQUIPMENT BEING INSTALLED.
8. ALL HORIZONTAL SANITARY DRAINAGE PIPING IS PITCHED AT 1/4"FT UP TO 3" DIA., 1/8"FT FOR 4" DIA. TO 8" DIA, LARGER SIZES AS NOTED. ALL HORIZONTAL DRAIN COVERAGE PIPING IS PITCHED AT 1/8"FT.
9. THE PLUMBING DRAWINGS DO NOT INDICATE ALL STRUCTURAL BEAMS, COLUMNS OR EXACT SIZES. SOME DEVIATIONS TO THE PERMITTED LAYOUT MAY BE REQUIRED WITH LOCAL VARIATIONS IN THE PLUMBING LAYOUT DURING CONSTRUCTION.
10. CONTRACTOR TO COMPLY WITH ALL WATER AND SEWER REQUIREMENTS SET FORTH BY THE AUTHORITY HAVING JURISDICTION.
11. INSTALL NEW CLEANOUT MARKER ON EXISTING CLEANOUTS THAT WILL BE COVERED WITH NEW CARPET IDENTIFY ALL CLEANOUTS ON RECORD DRAWINGS.
12. ALL END OF RUN SANITARY PIPING SHALL BE A MINIMUM OF 18" BELOW FINISHED FLOOR.

GENERAL PLUMBING DEMOLITION NOTES:

1. WHERE EXISTING FIXTURES AND EQUIPMENT ARE DISCONNECTED AND REMOVED BY EITHER THE GENERAL CONTRACTOR OR BY THE PLUMBING CONTRACTOR, THE PLUMBING CONTRACTOR SHALL CAP WATER AND PUEGE WASTE, SLOP OR VENT LINES IN WALL, BELOW FLOOR LINE ABOVE CEILING.
2. REMOVE ALL PIPING THAT IS NOT PART OF THE REMODELED SYSTEM IN THE EXISTING BUILDINGS, RENDER CONCEALED PIPING NOT PART OF THE REMODELED SYSTEM IN THE EXISTING BUILDINGS COMPLETELY "DEAD". WHERE CONCEALED PIPING IN EXISTING WALLS OR PARTITIONS TO BE REMOVED OR INTERFERES WITH THE REMODELED CONSTRUCTION, THE PLUMBING CONTRACTOR SHALL REMOVE THE PIPING AND RENDER REMAINING PIPING COMPLETELY "DEAD" OR RELOCATE PIPING IF IT IS PART OF THE REMODELED SYSTEM.
3. REMOVAL OF EXISTING PIPING SHALL INCLUDE ALL HANGERS AND HARDWARE.
4. EXISTING PIPING SHOWN ON THE DEMOLITION DRAWINGS IS BASED ON EXISTING DOCUMENTS PROVIDED. THEY GENERALLY INDICATE THE LOCATIONS OF PIPES TO BE REMOVED. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND BE RESPONSIBLE FOR FIELD CONDITIONS.
5. ANY ADDITIONAL PLUMBING FIXTURES, EQUIPMENT, PIPING, AND ACCESSORIES THAT ARE NOT SHOWN, BUT ARE REQUIRED TO BE REMOVED, SHALL BE REMOVED BY THE PLUMBING CONTRACTOR AT THEIR EXPENSE. CONTRACTOR SHALL REFER TO ORIGINAL DRAWINGS FOR ADDITIONAL DETAIL REQUIREMENTS.

FULLY SPRINKLERED BID DOCUMENTS

| | | | | | | | | | | | | | | | |
|-------------------|--|--|--|---|--|---|--|---|--|--|--|-------------------------------------|--|--|--|
| | | CONSULTANTS:  | |  | | ARCHITECTS/ENGINEERS:  | | Drawing Title SYMBOLS, SCHEDULES & NOTES | | Project Title BUILDING 9 - SECOND FLOOR RENOVATION | | Project Number 542-13-105 | | Office of Construction and Facilities Management  | |
| | | | | | | Approved: Project Director | | Location: 1400 Blackhorse Hill Road Coatesville, PA 19320 | | Building Number 9 | | Drawing Number P001 | | | |
| Revisions: | | Date | | | | 6587 HAMILTON AVENUE PITTSBURGH, PENNSYLVANIA 15206 PH: 412-287-7335 FAX: 412-287-7334 www.ae-works.com | | | | Date 05 / 12 / 14 | | Checked MEW | | Drawn MEW | |
| | | | | | | | | | | | | Dwg. 68 of 125 | | | |