

A
THREE INCHES = ONE FOOT

B
ONE AND ONE-HALF INCHES = ONE FOOT

C
ONE INCH = ONE FOOT

D
THREE-QUARTERS INCH = ONE FOOT

E
ONE-HALF INCH = ONE FOOT

F
THREE-FIFTHS INCH = ONE FOOT

G
ONE-FOURTH INCH = ONE FOOT

FIXTURE SCHEDULE

ITEM	DESCRIPTION	HOT WATER	COLD WATER	WASTE	VENT	MOUNTING HEIGHT / REMARKS (ABOVE FLOOR)
P1	WATER CLOSET - HDC'P	---	1-1/4"	3"	2"	18" RIM HT. / FLOOR MTD., DUAL FLUSH VALVE W/BEDPAN WASHER
P1A	WATER CLOSET	---	1-1/4"	3"	2"	15" RIM HT. / FLOOR MTD., DUAL FLUSH VALVE
P1B	WATER CLOSET-BARIATRIC	---	1-1/4"	3"	2"	S.S., 18" RIM HT. / FLOOR MTD., DUAL FLUSH VALVE W/BEDPAN WASHER
P2	LAVATORY - HDC'P	1/2"	1/2"	1-1/4"	1-1/2"	34" RIM HT. / WALL HUNG / WRIST BLADE, GOOSENECK
P2A	LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	STANDARD RIM HT. / WALL HUNG / WRIST BLADE, GOOSENECK
P2B	LAVATORY - HDC'P	1/2"	1/2"	1-1/4"	1-1/2"	34" RIM HT. / WALL HUNG / SENSOR, GOOSENECK
P3	LAVATORY - HDC'P	1/2"	1/2"	1-1/4"	1-1/2"	COUNTERTOP / WRIST BLADE, GOOSENECK
P4	S.S. HAND WASH SINK	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP / WRIST BLADE, GOOSENECK
P4A	S.S. HAND WASH SINK	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP / SENSOR, GOOSENECK
P5	NOT USED	---	---	---	---	---
P6	MOP SINK	3/4"	3/4"	3"	2"	FLOOR MOUNTED, TERRAZZO 24" X 24"
P7	SHOWER - HDC'P	1/2"	1/2"	2" FD	1-1/2"	42" VALVE HT. AND 72" & 42" BRACKET HTS.
P8	ICE MAKER BOX	---	1/2"	---	---	COORDINATE HT. WITH EQUIPMENT
P9	EYEWASH	---	3/4"	---	---	COUNTERTOP MOUNTED, SWING-OUT TYPE
FD	FLOOR DRAIN	---	---	3"	2"	FLOOR DRAIN WITH PROSET TRAP-GUARD

NOTES: PROVIDE ANGLE STOP VALVES, SUPPLY TUBING, P-TRAPS, ESCUTCHEON PLATES, CARRIERS, ETC., FOR COMPLETE INSTALLATION. ALL SUPPLY AND WASTE LINES SHALL BE CONCEALED IN ADJACENT WALL, FLOOR AND CEILING, UNLESS NOTED OTHERWISE. PROVIDE TYPE "AA" WATER HAMMER ARRESTORS AT EACH FIXTURE, UNLESS NOTED OTHERWISE.

NOTES FOR SEISMIC BRACING

GENERAL

- BRACING IS NOT REQUIRED WHEN THE TOP OF DUCT OR PIPE IS SUSPENDED 12" OR LESS FROM THE SUPPORTING STRUCTURAL MEMBER.
- ATTACHMENT TO STRUCTURAL MEMBERS SHALL USE DEVICES PROVIDED BY FEDERAL SPECIFICATION WW-H-171 OR BE BOLTED/WELDED AS APPROVED BY THE ENGINEER.
- WALLS, INCLUDING DRYWALL PARTITIONS, MAY REPLACE REQUIRED TRANSVERSE OR VERTICAL BRACING FOR DUCTWORK OR PIPING.
- SEE THE SPECIFICATIONS FOR MANUFACTURER'S RESPONSIBILITIES IN SUBMITTING THE PROPER DESIGN OF SEISMICALLY BRACED MECHANICAL SYSTEMS.

EQUIPMENT

- FLOOR OR PAD MOUNTED EQUIPMENT, WITHOUT VIBRATION ISOLATORS, SHALL BE BOLTED TO THE FLOOR OR OTHER SUPPORT.
- FLOOR MOUNTED EQUIPMENT, WITH VIBRATION ISOLATORS, SHALL BE PROVIDED WITH LATERAL AND VERTICAL RESTRAINT ON ALL SIDES OF THE BASE TO RESTRICT DISPLACEMENT OF THE EQUIPMENT.
- PROVIDE BRACING FOR RIGID SUPPORT ON ALL SIDES OF SUSPENDED EQUIPMENT, AND RESTRAINTS FOR RESILIENTLY SUPPORTED EQUIPMENT.

PIPING

- BRACE ALL PIPES 2-1/2" DIAMETER AND LARGER. RESTRAIN ALL PIPING IN MECHANICAL ROOMS THAT IS 1-1/4" DIAMETER AND LARGER.
- TRANSVERSE AND VERTICAL BRACING SHALL OCCUR AT 40 FOOT INTERVALS (MAX). LONGITUDINAL BRACING SHALL OCCUR AT 80 FOOT INTERVALS (MAX).
- AT PIPE RISERS, WHEREVER POSSIBLE, SUPPORT THE WEIGHT OF THE RISER AT A POINT OR POINTS ABOVE THE CENTER OF GRAVITY OF THE RISER.
- DO NOT USE BRANCH LINES TO RESTRAIN MAIN LINES.
- DO NOT FASTEN ONE RIGID PIPING SYSTEM TO TWO DISSIMILAR PARTS OF THE BUILDING THAT MAY RESPOND DIFFERENTLY DURING AN EARTHQUAKE; IE: A WALL AND A ROOF.

GENERAL PLUMBING NOTES

- PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO EXECUTE THE PLUMBING WORK INDICATED HEREON AND AS REQUIRED IN THE INTERNATIONAL PLUMBING CODE AND LOCAL CODES AND ORDINANCES.
- WORK SHALL INCLUDE ALL PIPING PROVIDING AND HOOKUP OF ALL FIXTURES AND EQUIPMENT, INSULATION OF DESIGNATED PIPING AND FIRESTOPPING OF PENETRATIONS OF FIRE RATED ASSEMBLIES IN ACCORDANCE WITH ASTM E 119.
- ALL ITEMS, SUCH AS FITTINGS, ETC., NOT MENTIONED BUT NECESSARY TO COMPLETE THE PLUMBING SYSTEM SHALL BE PROVIDED.
- WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, VA STANDARDS AND STATE AND LOCAL CODES.
- COMPLETE ALL PLUMBING AND DRAINAGE SYSTEMS, AND CAP ALL STUBS UNTIL FINISH WORK IS INSTALLED.
- PROVIDE PIPE HANGERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- UNLESS OTHERWISE NOTED OR SPECIFIED, INSULATE ALL HOT AND COLD WATER PIPING WITH 1" THICK FIBERGLASS WITH FSK JACKET AND SELF SEALING FLAPS. ALL MATERIALS SHALL HAVE A FLAME-SPREAD OF NOT MORE THAN 25; A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 450 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.
- THIS CONTRACTOR SHALL GUARANTEE ALL WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS. USUAL WEAR EXPECTED AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF BUILDING BY THE OWNER, THIS CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND ALL DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE OWNER.
- LOCATE ALL PLUMBING FIXTURES PER ARCHITECTURAL DRAWINGS. PIPING IS SHOWN IN GENERAL LOCATION, EXACT LOCATION TO BE DETERMINED BY JOB CONDITIONS.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PIPING AND UTILITIES PRIOR TO THE START OF ANY WORK.
- UNLESS OTHERWISE NOTED ROUTE ALL PIPING CONCEALED IN WALLS & ABOVE CEILINGS.
- COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.

PLUMBING SYMBOLS LEGEND

---	W	SANITARY WASTE PIPING
----	V	SANITARY VENT PIPING
----	C	DOMESTIC COLD WATER PIPING
----	H	DOMESTIC HOT WATER PIPING
----	HWR	DOMESTIC HOT WATER RETURN PIPING
---	ST	STORM DRAIN PIPING
---	O	OXYGEN PIPING
---	V	VACUUM (SUCTION) PIPING
---	MA	MEDICAL AIR PIPING
○		PIPE UP
◊		PIPE DOWN
⊙		POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
□		MEDICAL GAS OUTLETS
⊠	ZV	MEDICAL ZONE VALVE ASSEMBLY
⊞		BALL VALVE
EXT		EXISTING
∟		VENT THRU ROOF
⊙ FD-" "		FLOOR DRAIN - "TYPE"
○ HD		HUB DRAIN
A/C		ABOVE CEILING

100% SUBMITTAL
 BID SET -
 CONSTRUCTION
 DOCUMENTS
 DATE: DECEMBER, 21 2012

BID SET - 100% CONSTRUCTION DOCUMENTS
 FULLY SPRINKLERED

BY	REVISIONS	DATE



CONFIDENTIAL THESE DRAWINGS MUST BE RETURNED TO FACILITIES MANAGEMENT SERVICE, PROJECT SECTION, UPON COMPLETION, OR FURNISH USE BY THE CONTRACTOR FOR BOOKING PURPOSES.

ASBESTOS WARNING: ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) ARE PRESENT THROUGHOUT THE FACILITY. IF CONTRACTORS FIND ACBM, OR SUSPECT FINDING ACBM, THEY SHALL IMMEDIATELY STOP WORK AND CONTACT THE PROJECT CONTR.

SCALING NOTES: FULL SIZE V.A. "T" SHEETS (SCALE AS INDICATED) AND HALF SIZE V.A. "D" SHEETS (S THE SCALE INDICATED LETTER SIZE DRAWINGS ARE NOT TO SCALE.

GENERAL NOTE: CONTRACTORS AND ARCHITECT/ENGINEERING FIRMS ARE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL EXISTING CONDITIONS.

Project Title
**RENOVATE
 WARD 5 EAST**

Drawing Title	Date
FIFTH FLOOR - WARD EAST PLUMBING SCHEDULES, NOTES & LEGEND	12/21/12
Project No.	637-11-119
Building Number	47
Checked	TMF
Drawn	TPL
Location	ASHEVILLE, NC

DRAWING NO.
P001

Dwg 56 Of 78

Office of Facilities
 Maintenance & Utilities