

## PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE

MARK	FIXTURE	TYPE	MATERIAL	PIPE SIZES				SPECIFICATIONS
				SAN	VENT	CW	HW	
WC-1	WATER CLOSET	FLOOR MOUNTED FLUSH TANK ADA HEIGHT	VITREOUS CHINA	4"	2"	1/2"	-	FIXTURE: AMERICAN STANDARD CADET PRO RIGHT HEIGHT MODEL 215AA 104.020, WHITE, 1.28 GALLONS PER FLUSH, ELONGATED BOWL, 3" FLUSH VALVE, EVERCLEAN SURFACE. SUPPLY: McGUIRE MODEL LF2166, CHROME PLATED BRASS ANGLE SUPPLY STOP WITH BRASS STEM, WHEEL HANDLE, 1/2" IPS INLET, 3/8" COMPRESSION OUTLET, 12" CHROME PLATED FLEXIBLE SUPPLY RISER. SEAT: BEMIS MODEL 3155SCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.
WC-2	WATER CLOSET	FLOOR MOUNTED FLUSH TANK ADA HEIGHT	VITREOUS CHINA	4"	2"	1/2"	-	FIXTURE: AMERICAN STANDARD CADET PRO RIGHT HEIGHT MODEL 215AA 105.020, WHITE, 1.28 GALLONS PER FLUSH, ELONGATED BOWL, 3" FLUSH VALVE, EVERCLEAN SURFACE, TRIP LEVER ON RIGHT SIDE. SUPPLY: McGUIRE MODEL LF2166, CHROME PLATED BRASS ANGLE SUPPLY STOP WITH BRASS STEM, WHEEL HANDLE, 1/2" IPS INLET, 3/8" COMPRESSION OUTLET, 12" CHROME PLATED FLEXIBLE SUPPLY RISER. SEAT: BEMIS MODEL 3155SCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.
L-1	LAVATORY	WALL HUNG ADA HEIGHT	VITREOUS CHINA	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STANDARD LUCERNE MODEL 0355.012.020, WHITE, 20" X 18", FRONT OVERFLOW, SELF-DRAINING DECK WITH SPLASH SHIELDS, FAUCET LEDGE WITH FAUCET HOLES ON 4" CENTERS. FAUCET: AMERICAN STANDARD MONTERREY MODEL 6114.116.002, POLISHED CHROME-PLATED CAST BRASS, SINGLE CONTROL CENTERSET, WITH METAL HANDLE, 0.5 GPM VANDAL-RESISTANT SPRAY, LESS POP-UP DRAIN. DRAIN: McGUIRE MODEL 155A, POLISHED CHROME PLATED CAST BRASS OPEN GRID DRAIN, WITH 1-1/4" X 6" 17 GAUGE CHROME PLATED BRASS TAILPIECE. SUPPLIES: McGUIRE MODEL LF2165, CHROME PLATED BRASS ANGLE SUPPLY STOPS WITH BRASS STEMS, WHEEL HANDLES, 1/2" IPS INLETS, 3/8" COMPRESSION OUTLETS, 12" CHROME PLATED FLEXIBLE SUPPLY RISERS. CARRIER: ZURN Z1231 SERIES CONCEALED ARM SYSTEM FOR WALL LAVATORIES. INCLUDE TRUEBRO LAV GUARD 2 MODEL #102 E-Z UNDERSINK PIPING COVERS, WITH P-TRAP COVER, AND TWO ANGLE VALVE AND SUPPLY COVERS.
EWC-1	ELECTRIC WATER COOLER	WALL MOUNTED DUAL HEIGHT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	-	FIXTURE: ELKAY MODEL EZST18SC, BARRIER-FREE, SELF-CONTAINED, 8.0 GPH, EASY-TOUCH CONTROLS ON FRONT AND SIDES, ONE PIECE STAINLESS STEEL TOPS WITH INTEGRAL DRAINS, FLEXIBLE BUBBLERS, STAINLESS STEEL LOWER SHROUDS. TRAP: McGUIRE MODEL LF2165, CHROME PLATED BRASS ANGLE SUPPLY STOP WITH BRASS STEM, WHEEL HANDLE, 1/2" IPS INLET, 3/8" COMPRESSION OUTLET. SUPPLY: McGUIRE MODEL LFST13, POLISHED CHROME PLATED CAST BRASS WHEEL HANDLE STRAIGHT STOP, 1/2" IPS INLET, 3/8" COMPRESSION OUTLET.
S-1	SINK	COUNTERTOP SINGLE BOWL ADA COMPLIANT	STAINLESS STEEL	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: ELKAY LUSTERTONE MODEL LRAD202265, 19-1/2" X 22" X 6-1/2" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, SOUND DEADENED, MR2 HOLE DRILLING, REAR CENTER DRAIN. FAUCET: AMERICAN STANDARD MONTERREY MODEL 6114.380.002, POLISHED CHROME-PLATED CAST BRASS, SINGLE CONTROL WITH REMOTE VALVE, METAL LEVER HANDLE, 8" GOOSENECK SWIVEL SPOUT, LESS SPRAY. DRAIN: ELKAY MODEL LK35, TYPE 304 STAINLESS STEEL DRAIN, WITH REMOVABLE BASKET STRAINER, 1-1/2" X 4" CHROME PLATED BRASS TAILPIECE. TRAP: McGUIRE MODEL 8912CNC, 1-1/2" X 1-1/2" 17 GAUGE CHROME-PLATED CAST BRASS P-TRAP, WITH CLEANOUT PLUG. SUPPLIES: McGUIRE MODEL LF2165, CHROME PLATED BRASS ANGLE SUPPLY STOPS WITH BRASS STEMS, WHEEL HANDLES, 1/2" IPS INLETS, 3/8" COMPRESSION OUTLETS, 12" CHROME PLATED FLEXIBLE SUPPLY RISERS.
MB-1	MOP BASIN	24" X 24"	TERRAZZO	3"	2"	1/2"	1/2"	FIXTURE: FIAT MODEL TSB3000, 12" DEEP WITH 6" DROP FRONT, STAINLESS STEEL CAPS ON ALL CURBS, STAINLESS STEEL FACTORY INSTALLED DRAIN BODY WITH FLAT STAINLESS STEEL STRAINER. FAUCET: T&S BRASS MODEL B-0685-BSTR, 8" WALL MOUNT MIXING FAUCET, ROUGH CHROME FINISH, WITH INTEGRAL SUPPLY STOPS, SPRING CHECKS, LEVER HANDLES, CAST BRASS SPOUT WITH INTEGRAL VACUUM BREAKER, TOP BRACE, PAIL HOOK, AND 3/4" HOSE THREAD OUTLET. ADDITIONAL EQUIPMENT: PROVIDE FIAT MODEL 889CC MOP BRACKET, MODEL 832AA HOSE AND BRACKET, AND MODEL MSG2424 STAINLESS STEEL WALL GUARD PANELS.

## PLUMBING EQUIPMENT SCHEDULE

MARK	EQUIPMENT	MANUFACTURER & MODEL NO.	SPECIFICATIONS
FD	FLOOR DRAIN	ZURN ZN415B-P	CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR, 6" DIAMETER *TYPE B* POLISHED NICKEL BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION.
FCO	FLOOR CLEAN OUT	ZURN ZN1400-BP	ADJUSTABLE, COATED CAST IRON BODY, ROUND SCORIATED NICKEL BRONZE TOP, BRONZE PLUG.
HB	HOSE BIBB	PRIER MODEL C-158NP-75	ANTI-SIPHON ANGLE SILL FAUCET, CAST BRASS, SATIN NICKEL PLATED, 3/4" THREADED INLET, 3/4" HOSE THREAD OUTLET, METAL WHEEL HANDLE, VACUUM BREAKER BACKFLOW CHECK VALVE.
IMB	ICE MAKER OUTLET BOX	GUY GRAY MODEL MIB1HAAB	RECESSED, WHITE POWDER COATED METAL BOX, WITH LEAD FREE BRASS QUARTER TURN HAMMER ARRESTER VALVE.
DWH	DOMESTIC WATER HEATER	AO SMITH MODEL DEL-30	COMMERCIAL ELECTRIC, LOWBOY, 30 GALLON CAPACITY, 3 KW INPUT, 208V-1 PHASE, 15 GPH AT 80°F TEMPERATURE RISE, GLASS-LINED STEEL TANK, WITH FACTORY INSTALLED T&P RELIEF VALVE & DRAIN VALVE.
EXT	EXPANSION TANK	AMTROL THERM-X-TROL MODEL ST-5-C	ASME CONSTRUCTION, STEEL TANK WITH FIXED DIAPHRAGM, STAINLESS STEEL SYSTEM CONNECTION, 55 PSI PRECHARGE, 150 PSI WORKING PRESSURE, 2.0 GALLONS.

## WATER HAMMER ARRESTER SCHEDULE

PDI SIZE	FIXTURE UNITS	MODEL
A	1 - 11	SIoux CHIEF 652-A
B	12 - 32	SIoux CHIEF 653-B
C	33 - 60	SIoux CHIEF 654-CS
D	61 - 113	SIoux CHIEF 655-DS
E	114 - 154	SIoux CHIEF 656-ES
F	155 - 200	SIoux CHIEF 657-FS

WATER HAMMER ARRESTERS SHALL BE HAMMER-CLIP-TYPE, SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALL WATER HAMMER ARRESTER INSTRUCTIONS. PROVIDE SAME SIZE FOR CONNECTED PIPING. AIR CHAMBERS WILL NOT BE PERMITTED.

## PLUMBING LEGEND

PIPING	
-----	DOMESTIC COLD WATER PIPING (CW)
-----	DOMESTIC HOT WATER PIPING (HW)
-----	SANITARY PIPING (SAN)
-----	VENT PIPING (V)
SYMBOLS	
(Symbol)	BALL VALVE (FULLY OPEN)
(Symbol)	CAP
(Symbol)	CHECK VALVE
(Symbol)	OR CLEANOUT (FCO)
(Symbol)	FOOT CUNNING (FD)
(Symbol)	PIPE CONTINUOUS
(Symbol)	PIPE DOWN
(Symbol)	PIPE UP
(Symbol)	T&P RELIEF VALVE
(Symbol)	THERMOMETER
(Symbol)	UNION
ABBREVIATIONS	
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
BLW	BELOW
CLG	CEILING
CONN	CONNECT OR CONNECTION
CONT	CONTINUATION
DN	DOWN
E.C.	ELECTRICAL CONTRACTOR
F.L.	FLOOR
G.C.	GENERAL CONTRACTOR
IE, INV ELEV	INVERT ELEVATION
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T&P	TEMPERATURE AND PRESSURE
TYP	TYPICAL
VTR	VENT THROUGH ROOF
W	WASTE

## PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:	SANITARY WASTE AND VENT PIPING:
<ol style="list-style-type: none"> <li>GENERAL AND SPECIAL CONDITIONS: GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THIS DIVISION OF THE SPECIFICATIONS INsofar AS SAME ARE APPLICABLE TO THE WORK UNDER THIS DIVISION AND UNLESS OTHERWISE SPECIFIED.</li> <li>SCOPE: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK.</li> <li>CODE COMPLIANCE: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION, BUILDING DEPARTMENTS, AND DEPARTMENT OF HEALTH, APPLICABLE NATIONAL, STATE, AND LOCAL CODES, LAWS, AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE CODES, LAWS, OR REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH A VIOLATION SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.</li> <li>PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.</li> <li>WARRANTY: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.</li> <li>RECORD DRAWINGS: CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL AS-BUILT CONDITIONS DURING CONSTRUCTION AND TURN OVER ONE COPY EACH TO THE OWNER AND THE ARCHITECT AFTER COMPLETION.</li> <li>OPERATING MANUALS: CONTRACTOR SHALL FURNISH TO THE OWNER 3 SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL MAJOR PIECES OF EQUIPMENT.</li> <li>COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO EXPENSE TO THE OWNER.</li> <li>SUBSTITUTIONS: THE PRODUCTS SCHEDULED ON THE DRAWINGS ARE THE BASIS OF DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUBSTITUTIONS MADE WITHOUT PRIOR WRITTEN APPROVAL MEET THE DRAWING SPECIFICATIONS AND FIT WITHIN THE SPACES PROVIDED.</li> <li>LABEL ALL PLUMBING PIPING WITH APPROPRIATE PIPE LABELS INDICATING SERVICE AND DIRECTION OF FLOW. PIPE LABELS SHALL BE LOCATED NEAR ALL BRANCH CONNECTIONS, NEAR ALL FLOOR AND WALL PENETRATIONS, AND AT MAXIMUM INTERVALS OF 25 FEET EACH RUN.</li> <li>PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO:                             <ul style="list-style-type: none"> <li>PLUMBING FIXTURES AND EQUIPMENT</li> <li>FIRE STOPPING</li> <li>DOMESTIC WATER SYSTEM</li> <li>SANITARY WASTE AND VENT SYSTEM</li> <li>STORM/RAIN/SEWER SYSTEM</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>FURNISH AND INSTALL COMPLETE SYSTEMS OF SANITARY WASTE AND VENT PIPING FROM ALL PLUMBING FIXTURES AND/OR EQUIPMENT REQUIRING WASTE AND VENT CONNECTIONS. ALL WASTE AND VENT PIPING SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.</li> <li>SANITARY WASTE AND VENT PIPING BELOW GROUND: ASTM A 74, SERVICE WEIGHT, HUB AND SPIGOT, CAST IRON SOIL PIPE AND FITTINGS, AND GASKETED JOINTS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.</li> <li>SANITARY WASTE AND VENT PIPING ABOVE GROUND: ASTM A 888 AND CISPI 301, HUBLESS, CAST IRON SOIL PIPE AND FITTINGS, AND HEAVY DUTY SHIELDED, STAINLESS STEEL COUPLINGS. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE, AND LISTED BY NSF INTERNATIONAL.</li> <li>IF PERMITTED BY LOCAL CODES, ASTM D 2665 SCHEDULE 40 RIGID WALL PVC PIPE WITH ASTM D 3311 SCHEDULE 40 SOCKET-TYPE FITTINGS MAY BE USED FOR SANITARY WASTE AND VENT PIPING ABOVE AND BELOW GROUND. PVC PIPING INSTALLED IN RETURN AIR PLenums MUST BE PROTECTED WITH A FIRE BARRIER PLenum WRAP 5A+ OR SIMILAR PRODUCT. UNBURIED PVC PIPING SHALL BE INSTALLED PER ASTM D 2321.</li> <li>TESTING: CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10 FEET AND OF WATER. MAINTAIN PRESSURE FOR NOT LESS THAN 15 MINUTES.</li> <li>INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE SANITARY PIPING IS INSTALLED IN ORDER PROPER SLOPES WILL BE MAINTAINED. SLOPE SANITARY PIPING 2-1/2" AND SMALLER AT 1/4" PER FOOT MINIMUM, AND SLOPE SANITARY PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.</li> <li>WHERE SANITARY PIPING IS EXPOSED IN TOILET ROOMS, PROVIDE CHROME-PLATED BRASS PIPING MATCHING STOPS AND ESCUTCHEONS. PROVIDE REMOVABLE TRAP WITH INTEGRAL CLEANOUT PLUG FOR ALL LAVATORIES AND SINKS.</li> <li>INSTALL CLEANOUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS IN HORIZONTAL PIPING NOT MORE THAN 100 FEET APART, AND FOR EVERY FOUR 45° CHANGES LOCATED IN SERIES (A LONG SWEEP IS EQUIVALENT TO TWO 45° BENDS).</li> <li>ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP INTO AN APPROVED WASTE RECEPTOR. THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.</li> </ol>
<p><b>DOMESTIC WATER PIPING:</b></p> <ol style="list-style-type: none"> <li>FURNISH AND INSTALL A COMPLETE SYSTEM OF DOMESTIC HOT AND COLD WATER SUPPLIES TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING DOMESTIC WATER SUPPLIES.</li> <li>DOMESTIC WATER PIPING BELOW GROUND: ASTM B 88 TYPE 'K' SOFT COPPER TUBE WITH WROT COPPER FITTINGS, AND BRAZED OR PRESSURE-SEALED JOINTS.</li> <li>DOMESTIC WATER PIPING ABOVE GROUND: ASTM B 88 TYPE 'L' HARD COPPER TUBE WITH WROT COPPER FITTINGS, AND SOLDERED OR PRESSURE-SEALED JOINTS.</li> <li>TESTING: CAP AND SUBJECT WATER PIPING TO STATIC WATER PRESSURE OF 100 PSI OR 50 PSI ABOVE OPERATING PRESSURE, WHICHEVER IS GREATER, WITHOUT EXCEEDING THE PRESSURE RATING OF THE MATERIALS. MAINTAIN PRESSURE FOR NOT LESS THAN 15 MINUTES.</li> <li>CLEANING: CLEAN AND DISINFECT NEW PIPING AND EXISTING PIPING THAT HAS BEEN ALTERED IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.</li> <li>INSULATE DOMESTIC WATER PIPING ABOVE GROUND (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH 1" THICKNESS ENGINEERED POLYMER FOAM INSULATION, OR MINERAL-FIBER PREFORMED PIPE INSULATION WITH FACTORY-APPLIED ASJ.</li> <li>DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS, AND ADHESIVES SHALL NOT EXCEED A FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING OF 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.</li> <li>ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH WALLS AND PARTITIONS.</li> <li>DO NOT INSTALL DOMESTIC WATER PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.</li> <li>SHUT-OFF VALVES SHALL BE TWO-PIECE, BRONZE, FULL PORT, BALL TYPE, MANUFACTURED BY APOLLO OR NIBCO. PROVIDE SHUT-OFF VALVES WHERE INDICATED ON THE DRAWINGS. INSTALL VALVES IN A LOCATION THAT PERMITS ACCESS FOR SERVICE AND OPERATION WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.</li> <li>PROVIDE A PRESSURE REDUCING VALVE WITH STRAINER AT THE SERVICE ENTRANCE TO THE BUILDING IF THE INCOMING WATER PRESSURE EXCEEDS 80 PSI.</li> <li>PROVIDE CHECK VALVES IN THE HOT AND COLD WATER SUPPLY PIPING TO MOP BASIN FAUCET, UNLESS FAUCET HAS INTEGRAL CHECK VALVES.</li> <li>PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER-PLATED.</li> </ol>	<p><b>FIRE STOPPING:</b></p> <ol style="list-style-type: none"> <li>FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS, AND PARTITIONS. PROVIDE DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE DEVICE(S) OR SYSTEM(S) WITH AN 'F' RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.</li> </ol> <p><b>WATER HAMMER ARRESTER REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>PROVIDE WATER HAMMER ARRESTERS CONFORMING TO PDI-WH201 OR ASSE 1010. INSTALLED PER MANUFACTURER'S SPECIFICATIONS. WHERE QUICK CLOSING VALVES ARE UTILIZED, A QUICK CLOSING VALVE IS A VALVE OR FAUCET THAT CLOSSES AUTOMATICALLY WHEN RELEASED, OR THAT IS CONTROLLED BY MECHANICAL MEANS FOR FAST-ACTION CLOSING. REFER TO WATER HAMMER ARRESTER SCHEDULE.</li> <li>AS A MINIMUM, PROVIDE ONE WATER HAMMER ARRESTER FOR EACH BRANCH LINE TO EACH TOILET ROOM LESS THAN 20' IN LENGTH, LOCATED BETWEEN THE LAST TWO FIXTURES SERVED. FOR BRANCH LINES GREATER THAN 20' IN LENGTH, A SECOND WATER HAMMER ARRESTER IS REQUIRED.</li> </ol>

Order Plans @

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Project:

## Storage Facility

Country Club Rd.  
Winston-Salem, NC

## PLUMBING SPECS, NOTES AND LEGEND

Date:

Project No.:	Drawn by:

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# P-001