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## Addendum Number Two

Issue Date: August 29, 2025

Project: Goodwill Industries of Northwest Texas  
New Retail and Career Resource Center



The following are additions and changes to the Specifications and Drawings and shall become a part of the Contract Documents. Where items in the Specifications or Drawings are supplemented below, all original requirements shall remain in effect.













### Drawings

**Item #1D:** Replace Sheet P0.0 PLUMBING COVER PAGE in its entirety with the attached revised Sheet P0.0 PLUMBING COVER PAGE for revised plumbing fixture schedule.

**END OF ADDENDUM ONE – TOTAL PAGES: 2**



Amadek Doc: 05-000 Goodwill Lubbock 05-000 Goodwill Lubbock.rvt  
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PLUMBING FIXTURE SCHEDULE						
MARK	REFERENCE IMAGE	FIXTURE SPECIFICATION (FIXTURES ARE EXAMPLES ONLY. EQUAL FIXTURES FROM ALTERNATE MANUFACTURERS IS ACCEPTABLE. REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS)	FIXTURE CONNECTIONS (RUNOUT LINE SIZES)			
			CW	HW	SS	V
WATER CLOSETS						
WC1		Fixture/Flushvalve: Sloan Model WETS 2020 1001-1-28, 1.28GPF; floor mounted elongated bowl, siphon jet and Sloan Royal 1.28 Quiet Exposed Permet Rubber Diaphragm Type Flushvalve with ADA Non-Hold-Open Handle, Free Spinning Stop Cap, No External Volume Adjustment with bolt covers. TAS compliant  Seat: Bemis 1955CT white solid plastic open front.	1-1/2"	4"	2"	
URINALS						
U1		Fixture/Flushvalve: Sloan Model WEUS-1000 1001-0-13 Vitreous China HEU Wall Mount wash down urinal with Integral Trap and 3/4" top spud and Sloan Royal 0.13GPF Quiet Exposed Permet Rubber Diaphragm Type Flushvalve with ADA Non-Hold-Open Handle, Free Spinning Stop Cap, No External Volume Adjustment Verify mounting height with Architect. TAS compliant.  Carrier: Mifab #MC-31 floor mounted Urinal Carrier with hanger plate, adjustable supporting rods, rectangular structural uprights and welded feet	3/4"	3"	2"	
LAVATORIES						
L1		Fixture: Kohler K-2196 vitreous china 20" x 17" self rim, with 4" drillings. TAS compliant such that as installed it is 34" AFF max. to top of lavatory rim. Coordinate with cabinet construction to confirm this elevation requirement is met. Supply: T&S Brass B-2711.4" Centerset Single Lever Faucet with 1/2" IPS Male Inlet Shanks, Temperature Limit Stop and Ceramic Cartridge. TAS compliant. Mixing Valve: Provide with TMV mixing valve mounted below deck. Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange.  Protective Insulation: Plumberex X4333X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.	1/2"	1/2"	2"	2"
SINKS						
S1		Fixture: Elkay LRAD-3321, 33" x 21-1/4", 6" deep, double compartment with off-center drain outlets, 18 gage type 304 self rimming stainless steel with 3 holes. TAS compliant. Supply: T&S Brass B-2866-05, 8" Center Set widespread Deck Mount Faucet with 4" wrist action handles, swivel gooseneck spout and 2.2GPM aerator. TAS compliant. Mixing Valve: Provide with TMV mixing valve mounted below deck. Strainers: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange.  Protective Insulation: Plumberex X4333X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design.	1/2"	1/2"	2"	2"
ELECTRIC WATER COOLERS						
EW1		Fixture: Oasis model PGV8FEBFSL shall deliver 8.0 gph of 50°F water at 90°F ambient and 80°F inlet water per ASHRAE 18 testing; hall include the VersaFill® with contactless activation and laminar flow; each fountain shall have a single vandal resistant push button to activate the manual flow of water for the cooler. Bottle Filler alcove and cabinet finish shall be stainless steel. Key VersaFiller components contain Freshie®9, which utilizes a silver-based antimicrobial compound to protect the surfaces from discoloration, odors and degradation caused by the growth of micro-organisms and mildew. Basin shall be designed to eliminate splashing and standing water. Water saver bubbler to reduce waste water by 50% and shall have flexible guard and operate between 20 and 100 PSI. Cabinet finish shall be brushed stainless steel. Cabinet shall have galvanized steel screens to prevent objects from being inserted into ventilation panels or underside of unit. Shall use R-134a refrigerant. Shall comply with ANSI 117.1 and ADA. Shall be listed by Underwriters Laboratories to US and Canadian standards. Shall comply with NSF/ANSI 61 and NSF/ANSI 372. Provide with 2 extra water filters.  Apron: Oasis 035174-003 ADA compliant apron in stainless steel finish. Apron shall extend to exactly 27" A.F.F. as per TAS requirements. P-trap: McGuire 8872C P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Set Screw Flange. Stop: McGuire BV175 Supply shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle. Carrier: Mifab IMC-33-2 floor mounted Water Cooler Carrier two universal adjustable top support plates and bottom bearing plate. Complete with three lacquered structural steel uprights and welded steel feet and mounting hardware.	1/2"	2"	2"	
MOP BASINS						
MB1		Fixture: Acom TSH-24-SSC-KWG, 24x24x12 precast terrazzo, 3" integral drain body, stainless steel back wall guards, and stainless steel cap. Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and 3/4" garden hose outlet Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger	3/4"	3/4"	3"	2"
SPECIALTIES						
TMV		Fixture: A Thermostatic Mixing Valve shall be installed on the hot water supply to the fixture. The valve shall be ASSE Standard 1070 and IAPMO iCPC listed and control the temperature of the hot water. It shall have a Lead Free Brass 4-port, "H" pattern body. The valve shall include integral check valves, integral screens, an adjustment nut with locking feature and a vandal resistant lever cover to prevent accidental engagement during normal operating periods. The valve shall be provided with 3/8" male compression fittings. The valve shall be Watts model LFUSG.	LINE SIZE			
HWCP		Fixture: Armstrong Compass H20-20SS with high efficiency ECM motor and 8 modes of control, in stainless steel body and Noryl impeller. The pump shall have a capacity of 5 USGpm against a total head of 12 ft. Stainless steel body Compass is NSF 372 certified, 45 watts max motor at 120V 60 Hz. Install pump supported independently from structure, refer to detail.  Control: 7 Day Digital Timer equal to Taco #265-3 with temperature aquastat equal to Taco 563-2. Contractor shall coordinate with Owner for appropriate programming of circulating pump such that pump is operational during all occupied times.		3/4"	HC	
HB1		Fixture: Woodford Model 68, automatic draining with ASSE 1052 approved model 50HA high flow double check backflow preventer, 3/4" inlet and outlet. Hardened stainless steel operating stem and one-piece valve plunger to control both flow and drain functions. Exterior finish to be stainless steel. Loose tee key to be furnished with each hydrant.	3/4"			
RB1		Fixture: Guy Gray SSIB1 stainless steel ice maker box with quarter turn valves.	1/2"			
FD1		Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes and 6" adjustable Stainless Steel Round strainer equal to MIFAB #F1100 Series. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions.			3"	2"
CLEANOUTS CO, WCO, DCO		Floor cleanouts in finished floors shall be equal to MIFAB C-1100P-R-3 with stainless steel cover, and ANSI/ASME 5000-7499 lbs. Floor cleanouts in floors with thin flooring shall be equal to MIFAB C1100P-JUR-3 with recessed top for flooring and ANSI/ASME 5000-7499 lbs.. Floor cleanouts in tiled floors shall be equal to MIFAB C1100P-TS-3 with square stainless steel Cover, recessed for tile, ANSI/ASME 5000-7499 lbs. Floor cleanouts in carpeted floors shall be equal to MIFAB C1100P-RC-3 with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round nickel bronze scribed combined cover & plug top assembly with stainless steel vandal proof allen key screws, primary gasket seal and 1 1/2" round stainless steel carpet marker. (For membrane floors, add -C for membrane clamp.)  Floor cleanouts in unfinished areas shall be equal to MIFAB C1100-XR adjustable floor cleanout with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round heavy duty square scribed combined cover & plug top assembly with stainless steel vandal proof allen key screws & primary gasket seal. (For membrane floors, add Suffix -C for the membrane clamp.) Exterior cleanouts subject to heavy wheel traffic shall be equal to MIFAB C1300-MF lacquered cast iron heavy duty access housing with fixed anchor flanges, extra heavy duty ductile iron access cover with 6 1/2" (165) clear bottom access.  Wall cleanouts shall be concealed behind Stainless Steel access cover with screw equal to Mifab C1400-RD	LINE SIZE UP TO 4"			

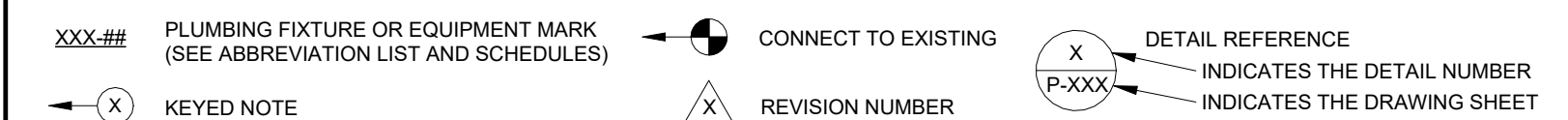


## PLUMBING GENERAL NOTES

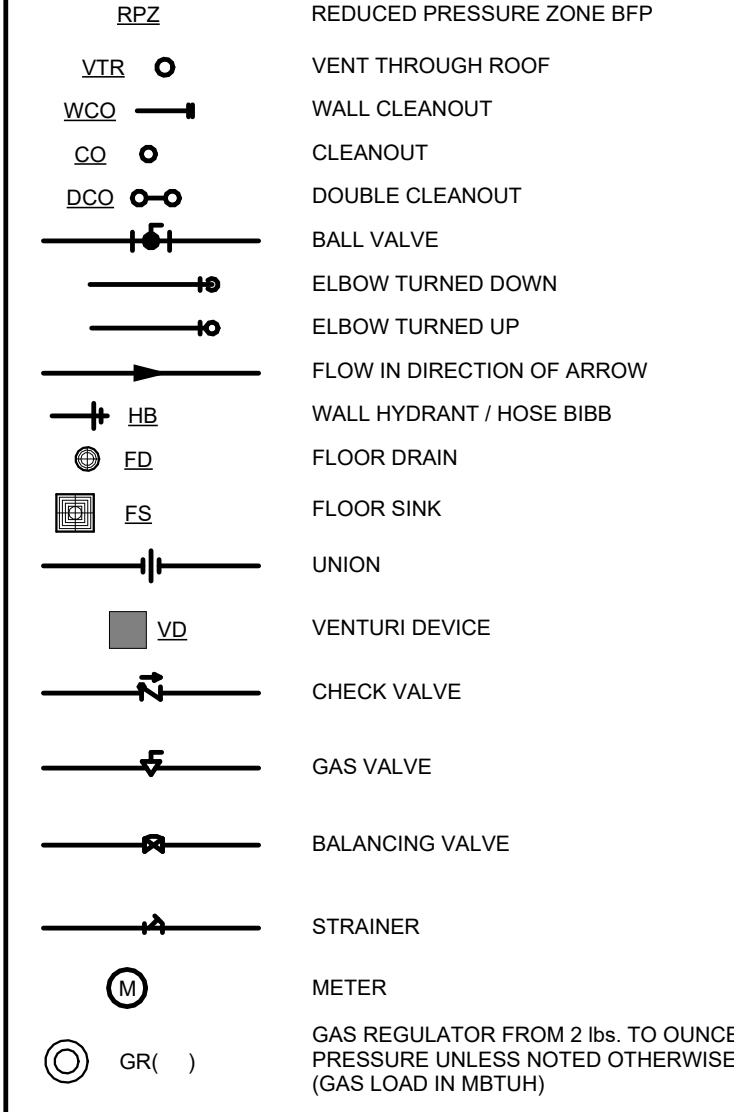
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE PLANS AND SPECIFICATIONS IN ADDITION TO THE RELATED MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, AND CIVIL ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE ENTIRE SCOPE OF THE PROJECT. IN ADDITION, THE CONTRACTOR MUST COORDINATE WITH THE OWNER OR OWNERS REPRESENTATIVE TO FULLY UNDERSTAND ALL REQUIREMENTS WHICH MAY NOT BE SPECIFIED HEREIN AND WHICH THE OWNER MAY CONSIDER PART OF THIS CONTRACT. DURING THE COURSE OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WORK CLOSELY WITH ALL ACCOMPANYING CONTRACTORS AND TRADESMEN IN ORDER TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED INSTALLATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, NATIONAL, CITY, STATE, AND ANY LOCAL ORDINANCES WHICH MAY BE IN EFFECT. ALL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM FOR THE BUILDING OWNER. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED, BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT OR LABOR REQUIRED TO PRODUCE A SAFE, COMPLETE AND PROPERLY OPERATING SYSTEM.
- THE DRAWING SHEETS SHALL BE PRINTED USING THE CORRECT PAPER SIZE IN ORDER FOR ANY SCALED ITEMS TO BE ACCURATE. HOWEVER, THE CONTRACTOR SHALL NOT RELY ON THE SCALED DRAWINGS FOR EXACT MEASUREMENTS. THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, PIPING, DUCTWORK, AND ITEMS RELATED TO THE INSTALLATION OF THE PLUMBING WORK SHOWN ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE.
- ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND THE RELATED MECHANICAL, FIRE PROTECTION, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR, AND CIVIL ENGINEERING DRAWINGS, OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. SHOULD THE CONTRACTOR REQUIRE FURTHER CLARIFICATION, AN RFI SHALL BE SUBMITTED FOR CLARIFICATION. WHERE CONFLICTS DO EXIST, THE PROJECT ENGINEER OF RECORD, THROUGH THE ARCHITECT, SHALL HAVE SOLE DISCRETION AND RIGHT TO PROVIDE INTERPRETATION OF INTENT OF THE CONTRACT DOCUMENTS AS REQUIRED. THIS INTERPRETATION SHALL SERVE TO DIRECT THE CONTRACTOR IN ACCORDANCE WITH THE IMPLIED INTENT OF THE CONSTRUCTION DOCUMENTS WITHOUT ADDITIONAL COST TO THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER WITH A COMPLETE SET OF "AS BUILT" DRAWINGS SHOWING ALL FIELD MODIFICATIONS THAT DEVIATE FROM THE CONSTRUCTION SET OF PLANS AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL COORDINATE EXACT UTILITY REQUIREMENTS WITH LOCAL UTILITY COMPANIES PRIOR TO BID AND INCLUDE ALL FEES REQUIRED FOR NEW UTILITY SERVICES TO BUILDING. ALL NEW SERVICES AND TAPS SHALL BE INSTALLED ACCORDING TO STANDARDS AND REQUIREMENTS OF THE LOCAL CITY. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES AND PIPING AT THE JOBSITE. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL UTILITIES PRIOR TO BID. SITE UTILITIES SHOWN ON DRAWINGS ARE SHOWN BASED ON INFORMATION PROVIDED TO ENGINEER AT THE TIME OF THE PROJECT.
- ORDER OF PRECEDENCE SHALL BE OBSERVED IN LAYING OUT THE PIPE, DUCTWORK, MATERIAL, AND CONDUIT IN ORDER TO FIT THE MATERIAL INTO THE SPACE ABOVE THE CEILING AND IN THE CHASES AND WALLS. THE FOLLOWING ORDER SHALL GOVERN:
  - ITEMS AFFECTING THE VISUAL APPEARANCE OF THE INSIDE OF THE BUILDING SUCH AS LIGHTING FIXTURES, DIFFUSERS, GRILLES, OUTLETS, PANELS, ETC.
  - COORDINATE ALL ITEMS TO AVOID CONFLICTS AT THE SITE
  - LINES REQUIRING GRADE TO FUNCTION SUCH AS SEWERS, ROOF DRAINS AND CONDENSATE DRAINS.
  - LARGE DUCTS AND PIPES WITH CRITICAL CLEARANCES
  - FIRE SPRINKLER LINES, CONDUIT, WATER LINES, AND OTHER LINES WHOSE ROUTING IS NOT CRITICAL AND WHOSE FUNCTION WOULD NOT BE IMPAIRED BY BENDS AND OFFSETS.
- MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL PIPING TO BE CONCEALED IN CEILINGS, CHASES, AND FURRED SPACES UNLESS NOTED OTHERWISE.
- REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.
- PROVIDE POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY 559.
- DURING CONSTRUCTION, ALL FLOOR DRAINS AND OPEN ENDED PIPES SHALL BE COVERED TO PREVENT DEBRIS FROM GETTING INSIDE. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY HEATING INSIDE THE BUILDING IF REQUIRED TO AVOID FREEZING OF WATER PIPING SYSTEMS.
- HANDLE AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S AND SUPPLIER'S RECOMMENDATIONS AND IN A MANNER TO PREVENT DAMAGE TO MATERIALS DURING STORAGE AND HANDLING. REPLACE DAMAGED MATERIALS AS NEEDED AT NO ADDITIONAL COST TO THE OWNER. EQUIPMENT AND MATERIALS SHALL NOT BE INSTALLED UNTIL SUCH TIME AS THE ENVIRONMENTAL CONDITIONS OF THE JOB SITE ARE SUITABLE TO PROTECT THE EQUIPMENT OR MATERIALS. PVC PIPING SHALL NOT BE STORED IN THE DIRECT SUNLIGHT. PROVIDE TAPS OR SIMILAR MATERIAL AS NEEDED TO PROTECT PVC PIPING. EQUIPMENT OR MATERIALS DAMAGED, OR WHICH ARE SUBJECTED TO THESE ELEMENTS, ARE UNACCEPTABLE AND SHALL BE REMOVED FROM THE PREMISES AND REPLACED.
- ROUTE PIPES PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE UNLESS OTHERWISE SHOWN ON PLANS. INSTALL ALL PIPING AS HIGH AS POSSIBLE WITHIN THE AVAILABLE SPACE. PLUMBING EQUIPMENT AND PIPES SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE. INSTALL PIPES TO ALLOW FOR THE REMOVAL OF ALL CEILING TILES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE AS REQUIRED TO AVOID CONFLICTS.
- MAINTAIN MINIMUM 15'-0" SEPARATION BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, AND PLUMBING VENTS.
- PROVIDE P-TRAP AND CONDENSATE DRAIN LINE AT ALL UNITS. REFER TO DETAILS AND SPECIFICATIONS. CONDENSATE DRAINS SHALL BE ROUTED TO THE NEAREST APPROVED MOP SINK, FLOOR SINK, FLOOR DRAIN, OR OTHER APPROVED RECEPTOR WITH AN INDIRECT CONNECTION AS SHOWN ON PLANS. CONDENSATE SHALL NOT BE ALLOWED TO DRAIN ONTO ANY WALKWAY AREA THAT WOULD CAUSE A NUISANCE.
- PIPING IS SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING OF PIPING AT JOBSITE. PROVIDE ALL REQUIRED OFFSETS AND ELBOWS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. CONTRACTOR SHALL UTILIZE THE STRAIGHTEST PIPE ROUTING PATH POSSIBLE TO MINIMIZE UNNECESSARY PRESSURE DROP WITHIN THE SYSTEM.
- ALL PIPE PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND ROOFS SHALL BE FULLY SEALED APPROPRIATELY. INSTALL SLEEVES FOR PIPING PENETRATIONS FOR RATED WALLS AND FLOORS. INSTALL CHROME PLATED ESCUTCHEONS FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS THAT ARE OPENLY VISIBLE TO BUILDING OCCUPANTS.
- ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS WITH PROPER SUPPORTS OR MOUNTING DEVICES. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AROUND EQUIPMENT AT A MINIMUM. DO NOT ROUTE PIPING THROUGH THE SERVICE CLEARANCE AREAS. COORDINATE THESE REQUIREMENTS WITH ALL TRADES IN THE FIELD. ALL PIPING SHALL BE LABELED.
- ANY COST INCURRED AS A RESULT OF VALUE ENGINEERING OR DEVIATIONS FROM THE BASIS OF DESIGN INDICATED IN THE CONTRACT DOCUMENTS (E.G. ELECTRICAL MODIFICATIONS TO ACCOMMODATE ALTERNATE EQUIPMENT SELECTIONS, DESIGN RELATED EXPENSES FOR REQUIRED DRAWING MODIFICATIONS, ETC.) SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NO INCREASE IN CONTRACT COST WILL BE GRANTED UNLESS APPROVED IN WRITING BY THE OWNER. CONTRACT DOCUMENTS ARE DEEMED TO INCLUDE ALL DISCIPLINES AND DIVISIONS OF THE CONTRACT.
- ALL INTERIOR EXPOSED PIPING AND EXTERIOR GAS PIPING SHALL BE PRIMED AND PAINTED AS DIRECTED BY ARCHITECT.
- ALL GAS LINES INSTALLED ABOVE INACCESSIBLE CEILINGS OR IN CHASES/WALLS SHALL BE FULLY WELDED, JOINTS, VALVES, AND THREADED FITTINGS ARE NOT ACCEPTABLE IN THESE AREAS. PROVIDE PIP SLEEVE OF ALL THESE GAS LINES WITH 2" VENT FROM SLEEVE UP THRU ROOF TO 180 DEGREE ELBOW WITH INSECT SCREEN.
- PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL OR I.T. ROOMS, OR DIRECTLY ABOVE ELECTRICAL PANELS OR ELECTRICAL EQUIPMENT.
- PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS TO ALLOW ACCESS TO VALVES. PROVIDE LABEL ON ACCESS DOOR INDICATED THE EQUIPMENT.
- ALL PIECES OF EQUIPMENT WITH INDIRECT WASTE LINES SHALL BE PROVIDE AS TYPE L COPPER PIPING AND EXTEND TO SPILL TO FLOOR SINK WITH 1" AIR GAP.
- PROVIDE RPZ BACKFLOW PREVENTER AT WATER LINE CONNECTIONS TO ALL PIECES OF EQUIPMENT AS REQUIRED BY LOCAL JURISDICTION. ALL WATER LINE CONNECTIONS TO ICE MACHINES, COFFEE MACHINES, AND NON-CARBONATED BEVERAGE DISPENSERS SHALL BE PROVIDED WITH SEPARATE RPZ IN WATER LINE AT EACH PIECE OF EQUIPMENT.

## PLUMBING LEGEND

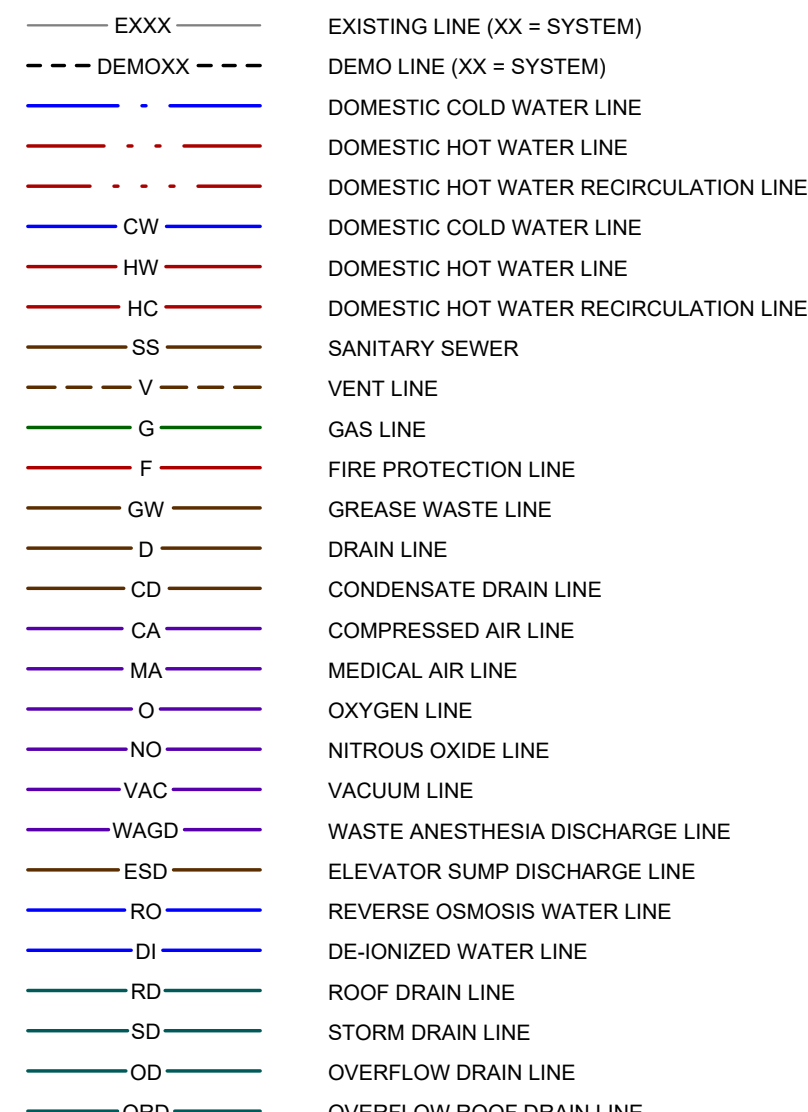
### GENERAL SYMBOLS



### PIPE SYMBOLS



### PIPING SYSTEMS



## PLUMBING ABBREVIATIONS

AD	ACCESS DOOR	L	LAVATORY
AF	ABOVE FINISHED FLOOR	LBS	POUNDS
AHJ	AUTHORITY HAVING JURISDICTION	LWT	LEAVING WATER TEMPERATURE
AHU	AIR HANDLING UNIT	M	METER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	M	MOTORIZED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MA	MEDICAL AIR
BF	BOTTLE FILLER	MAX	MAXIMUM
BFC	BELOW FINISHED CEILING	MB	MOP BASIN
BFP	BACKFLOW PREVENTER	MBH	THOUSAND BTUH
BTU	BRITISH THERMAL UNIT	MCA	MINIMUM CURRENT AMPACITY
BTU	BOTTOM OF PIPE	MECH	MECHANICAL
BTUH	BRITISH THERMAL UNIT PER HOUR	MIN	MINIMUM
CA	COMPRESSED AIR	MOCP	MAXIMUM OVER CURRENT PROTECTION
CD	CONDENSATE DRAIN	NEC	NATIONAL ELECTRICAL CODE
CFH	CUBIC FEET PER HOUR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS
CO	CLEANOUT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CP	CONDENSATE PUMP	NO	NITROUS OXIDE
CPVC	CHLORINATED PVC	NTS	NOT TO SCALE
CU	CONDENSING UNIT	O	OXYGEN
CL	DOMESTIC COLD WATER	OD	OUTSIDE DIAMETER
D	DRAIN	OD	OVERFLOW DRAIN
DCO	DOUBLE CLEANOUT	OR	OVERFLOW ROOF DRAIN
DI	DESIGNATED WATER	P	PUMP
DEMO	DEMOLITION	P	PRESSURE
ELEC	ELECTRICAL	P	PRESSURE DROP
ESD	ELEVATOR SUMP DISCHARGE	PH	PHASE
EW	ELECTRIC WATER COOLER	PH	CROSS-LINKED POLYETHYLENE
EWT	ENTERING WATER TEMPERATURE	PRV	PRESSURE REDUCING VALVE
EX	EXISTING	PSI	POUNDS PER SQUARE INCH
F	FIRE	PVC	POLY VINYL CHLORIDE
FCU	FAN COIL UNIT	RB	REFRIGERATOR BOX
FCU	FURNACE AND COIL UNIT	RD	ROOF DRAIN
FD	FLOOR DRAIN	RH	ROOF HYDRANT
FDC	FIRE DEPARTMENT CONNECTION	RO	REVERSE OSMOSIS WATER
FM	FEET PER MINUTE	RP	REVOLUTIONS PER MINUTE
FS	FLOOR SINK	RZ	REDUCED PRESSURE ZONE (BFP)
FT	FEET	RTU	ROOFTOP UNIT
G	GAS	S	SINK
GAL	GALLONS	SD	STORM DRAIN
GPM	GALLON PER MINUTE	SQFT	SQUARE FEET
GR	GAS REGULATOR	SS	SANITARY SEWER
GUH	GAS-FIRED UNIT HEATER	SS	STAINLESS STEEL
GW	GREASE WASTE	T	TEMPERATURE
H	HUMIDIFIER	T&P	TEMPERATURE
HB	HOSE BIBB	U	URINAL
HC	DOMESTIC HOT WATER CIRCULATION	UH	UNIT HEATER
HD	HUB DRAIN	V	VENT
HP	HORSEPOWER	V	VOLTS
HW	DOMESTIC HOT WATER	V	VACUUM
HWCP	HOT WATER CIRCULATING PUMP	VFD	VARIABLE FREQUENCY DRIVE
IBC	INTERNATIONAL BUILDING CODE	VTR	VENT THROUGH ROOF
ID	INSIDE DIAMETER	W	WITH
IMB	ICE MAKER BOX	WO	WITHOUT
IPC	INTERNATIONAL PLUMBING CODE	WB	WASHER BOX
N	INCHES	WC	WATER CLOSET
INVC	INCHES OF WATER COLUMN	WCO	WALL CLEANOUT
KW	KILOWATT	WH	WATER HEATER

Issue / Revisions:		
No.	Date	Description
0	08.08.2025	100% CONSTRUCTION DOCUMENTS
1	08.29.2025	Addendum #2
2		
3		
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