PLUMBING ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
AC	AIR COMPRESSOR
AD	ACESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AR	APPLIANCE REGULATOR
BFP	BACKFLOW PREVENTER
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BV	BALANCING VALVE
CA	COMPRESSED AIR
CB	CATCH BASIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
CWFU	COLD WATER FIXTURE UNIT
CWP	CIRCULATING WATER PUMP
D	DRAIN LINE
DB	DRAIN BOX
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIP	DUCTILE IRON PIPE
DIW	DEIONIZED WATER
DN	DOWN
DS	DOWNSPOUT
DSN	DOWN SPOUT NOZZLE
DWH	DOMESTIC WATER HEATER
DWV	DROP TO WASTE/RISE TO VENT
EWC	ELECTRIC WATER COOLER
EXST	EXISTING
F	FAHRENHEIT DEGREES
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFE	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FP	FIRE PROTECTION PIPING
FS	FLOOR SINK
G	GAS
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWCP	HOT WATER CIRCULATING PUMP
HWR	HOT WATER RECIRCULATI0N
HWT	HOT WATER TANK
INV EL.	INVERT ELEVATION
KS	KITCHEN SINK
LAV	LAVATORY
LPD	LOW POINT DRAIN
LT	LAUNDRY TUB
M	METER
MC	MECHANICAL CONTRACTOR
MR	MEDIUM PRESSURE REGULATOR
MS	MOP SINK
MV	MIXING VALVE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OI	OIL INTERCEPTOR
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PET	PLUMBING EXPANSION TANK
PRV	PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
RV	RELIEF VENT
RWL	RAIN WATER LEADER
SAN	SANITARY SEWER
SCW	SOFTENED COLD WATER
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SHR	SHOWER
SK	SINK
SMP	SUMP PUMP
SS	SERVICE SINK
ST	STORM SEWER
ST (OVERFLOW)	STORM SEWER EMERGENCY OVERFLOW
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TW	TEMPERED WATER
TD	TRENCH DRAIN
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
W.C.	WATER COLUMN
WCO	WALL CLEANOUT
WG	WATER GAUGE
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WV	WET VENT

PLUMBING SYMBOLS - VALVES AND SPECIALTIES

	SHUT-OFF VALVE (GATE, BALL, ETC.)
(X)	BALANCING VALVE (X INDICATES GPM)
	SHUT-OFF VALVE IN RISER
(MR OR AR)	GAS PRESSURE REULATOR (MEDIUM PRESSURE OR APPLIANCE REGULATOR)
	GAS COCK
	CHECK VALVE
	STRAINER
	GLOBE VALVE
S	SOLENOID VALVE
X	RELIEF VALVE (X INDICATES P - PRESSURE T - TEMPERATURE PT - COMBINATION PRESS/TEMP)
	BRANCH CONNECTION - BOTTOM
	BRANCH CONNECTION - TOP
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
	CAP
C.O. C.O.	CLEANOUT (FLOOR/WALL)
	FLOOR DRAIN
	FLOOR SINK
	ROOF DRAIN ABOVE/BELOW DECK
WH	WALL HYDRANT
HB	HOSE BIBB
	REDUCER
	UNION
	PIPE GUIDE (PG)
	PIPE ANCHOR (PA)
WHA-X	WATER HAMMER ARRESTOR (X INDICATES PDI SIZE)
	FLEXIBLE CONNECTOR
	DIRECTION OF FLOW
	DIRECTION OF DOWNWARD PITCH
P	PRESSURE GAUGE
	THERMOMETER
PT	PRESSURE/TEMPERATURE TAP
M	METER
	PUMP
TP	TRAP PRIMER VALVE
XX-X	PLUMBING FIXTURE No. (SEE SPEC.)
XXX-X	PLUMBING SPECIALITY No. (SEE SPEC.)
XXX-X	PLUMBING EQUIPMENT No. (SEE SPEC.)
X / XXX	DRAWING SECTION NUMBER DRAWING WHERE FOUND
X / XXXX	DRAWING DETAIL NUMBER DRAWING WHERE FOUND
XXX	ROOM NUMBER
	POINT OF CONNECTION
	TRENCH DRAIN

PLUMBING SYMBOLS - PIPING DESIGNATIONS

CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
NPCW	NON-POTABLE COLD WATER
NPHW	NON-POTABLE HOT WATER
SCW	SOFTENED COLD WATER
SAN	SANITARY SEWER
V	VENT
ST	STORM SEWER
EST	STORM SEWER OVERFLOW DRAIN
CA	COMPRESSED AIR
D	DRAIN
W	WATER MAIN (EXTERIOR)
PD	PUMP DISCHARGE
GAS	NATURAL GAS

GENERAL NOTES

1. THIS LEGEND SHEET IS FOR CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
3. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
5. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
6. PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL LOCATIONS.
7. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
8. COMPLY WITH 2024 GEORGIA PLUMBING, BUILDING CODES AND ALL OTHER APPLICABLE CODES

Brown AND Caldwell
BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328
wendel

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL AND SIGNATURE OF A DULY REGISTERED PROFESSIONAL

60% DESIGN

NCWSA
NEWTON COUNTY WATER & SEWERAGE AUTHORITY

NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED:	IBH
DRAWN:	IBH
CHECKED:	RFJ
CHECKED:	
APPROVED:	

FILENAME

BC PROJECT NUMBER
616202
CLIENT PROJECT NUMBER

SYMBOLS, ABBREVIATIONS, GENERAL NOTES

DRAWING NUMBER
P001

Plot Date: 3/23/2026 1:31:40 PM Path: Autodesk Docs://NCWSA Admin Bldg_ V25/616202-NCWSA-PLBG_V25.rvt