

- ### GENERAL NOTES
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION AND ALL APPLICABLE LOCAL ORDINANCES.
 - CONTRACTOR SHALL OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., AND PAY ALL INCIDENTAL FEES, AS REQUIRED TO OBTAIN A PERMIT AND A PERMANENT CERTIFICATE OF OCCUPANCY.
 - WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. CONFLICTS WHICH ARISE DUE TO LACK OF PROPER COORDINATION SHALL BE CORRECTED AT THE CONTRACTOR'S COST.
 - DESIGN INDICATED IS SCHEMATIC AND MAY NOT REFLECT ALL CONSTRAINTS IMPOSED BY ACTUAL PROJECT CONDITIONS. CONTRACTOR SHALL VISIT SITE AND REVIEW CONSTRUCTION DOCUMENTS (INCLUDING ALL TRADES) TO FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BID. CONTRACTOR'S BID SHALL INCLUDE ANY AND ALL COSTS REQUIRED TO REWORK THE DESIGN TO FIT WITHIN THE PHYSICAL CONSTRAINTS WHILE ACHIEVING THE OVERALL DESIGN INTENT.
 - THE BASIS-OF-DESIGN PRODUCTS WERE USED TO DETERMINE DIMENSIONS, INSTALLATION AND ACCESS CLEARANCES, SUPPORTS, ELECTRICAL SERVICE, CONNECTION ARRANGEMENTS, ETC. WHERE ALTERNATE PRODUCTS ARE PROVIDED, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL REQUIREMENTS AND RECTIFY ANY CONFLICTS AT THE CONTRACTOR'S COST.
 - MECHANICAL CONSTRUCTION SHALL NOT BE INSTALLED WITHIN ELECTRICAL ROOMS, IT CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PORTIONS OF EACH SYSTEM SERVING THAT SPECIFIC ROOM. IN NO CASE MAY PIPING BE INSTALLED DIRECTLY ABOVE EQUIPMENT WITHIN THESE ROOMS. ALL WORK SHALL BE INSTALLED TO AVOID CONFLICT WITH ELECTRICAL EQUIPMENT "DEDICATED SPACE" AS REQUIRED BY NEC AND LOCAL ORDINANCES. COORDINATE LOCATIONS OF ALL ELECTRICAL GEAR (DISTRIBUTION PANELS, TRANSFORMERS, SWITCHGEAR, ETC.) WITH ELECTRICAL CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION.
 - CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
 - ALL MATERIALS AND EQUIPMENT SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO ORDERING. CONTRACTOR ASSUMES LIABILITY AND COSTS FOR ANY PRODUCT WHICH IS ORDERED PRIOR TO RECEIPT OF APPROVED SUBMITTALS.
 - ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. ADDITIONAL WARRANTY SHALL APPLY WHERE SPECIFIED.
 - EQUIPMENT START-UP AND COMMISSIONING SHALL BE PERFORMED BY FACTORY-AUTHORIZED AGENTS ONLY. SUBMIT WRITTEN START-UP PROCEDURES TO OWNER AND ENGINEER FOR APPROVAL PRIOR TO PERFORMANCE OF START-UP ACTIVITIES. FINAL REPORTS SHALL BE APPROVED BY OWNER AND ENGINEER.
 - ALL PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH UL-LISTED SYSTEM APPROVED FOR THE APPLICATION.
 - FLASH AND SEAL ALL PENETRATIONS OF BUILDING EXTERIOR, WALLS AND ROOF WITH APPROVED SEALANT.
 - ALL WORK INSTALLED WITHIN HVAC PLENUMS SHALL BE PLENUM RATED (25/50 FLAME SPREAD/SMOKE DEVELOPED) AND, WHERE REQUIRED BY THE LAU, SHALL BE NON-COMBUSTIBLE.
 - ALL EQUIPMENT SHALL BE NEW. CONTRACTOR SHALL TEST EXISTING EQUIPMENT FOR PROPER OPERATION AND REPORT CONDITION TO OWNER. ALL UNREPORTED EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED IF NOT FUNCTIONAL AT THE DATE OF BENEFICIAL OCCUPANCY. NEW EQUIPMENT SHALL BE UL OR ETL LISTED AND LABELED. GAS-FIRED EQUIPMENT SHALL ALSO BE AIA OR CSA LISTED AND LABELED. INSTALL ALL EQUIPMENT PER THESE DOCUMENTS, MANUFACTURER'S RECOMMENDATIONS, AND CODE REQUIREMENTS FOR SPECIFIC APPLICATION.
 - EXCEPT WHERE SPECIFIED OTHERWISE, MECHANICAL CONTRACTOR SHALL PROVIDE STARTERS AND ELECTRICAL DISCONNECTS FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
 - PROVIDE PERMANENT LABELS FOR ALL EQUIPMENT, CONTROLS, AND PIPING.

PLUMBING ABBREVIATIONS

ABBREV.	DEFINITION
AAV	AIR ADMITTANCE VALVE
A/C	ABOVE CEILING
ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
B/F	BELOW FLOOR
B/G	BELOW GRADE
BTUH	BRITISH THERMAL UNITS PER HOUR
CO	CLEANOUT
CLG	CEILING
CONN	CONNECT(ION)
CONT	CONTINUATION
CW	DOMESTIC COLD WATER
DN	DOWN
EX	EXISTING
GV	GATE VALVE
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
HW	DOMESTIC HOT WATER
HW(R)	DOMESTIC HOT WATER (RECIRCULATION)
IE	INVERT ELEVATION
KHW	KITCHEN HOT WATER (140°F)
KW	KITCHEN WASTE
O/H	OVERHEAD
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
SAW DR S.	SANITARY
SD	STORM DRAINAGE
V	VENT
W	WASTE
YCD	YARD CLEAN OUT

ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS.

PLUMBING LEGEND

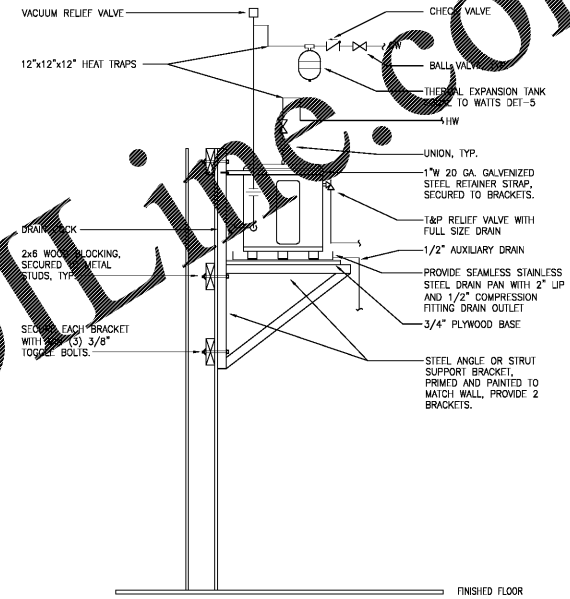
SYMBOL	DESCRIPTION
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	KITCHEN HOT WATER (140°F) PIPING
---	SANITARY OR WASTE PIPING
---	VENT PIPING
---	GAS PIPING
---	FUTURE PLUMBING CONSTRUCTION
○	CONNECTION TO EXISTING CONSTRUCTION
○	PRESSURE GAUGE
⊖	THERMOMETER
⊘	SHUT-OFF VALVE (TYPE AS SPECIFIED)
⊘	BALANCING VALVE (TYPE AS SPECIFIED)
⊘	PRESSURE REDUCING VALVE
⊘	CHECK VALVE
⊘	BACKFLOW PREVENTER
⊘	RELIEF VALVE
⊘	GAS COCK
⊘	STRAINER
⊘	UNION
⊘	PIPE REDUCER
⊘	PIPE END CAP
⊘	CLEANOUT
⊘	P-TRAP
⊘	CONTINUATION OF PIPING
⊘	YARD CLEAN OUT
⊘	GAS PRESSURE REGULATOR

ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

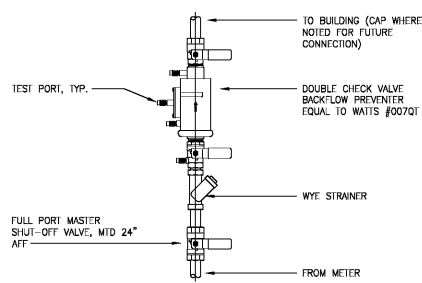
- ### FIRE PROTECTION GENERAL NOTES
- CONTRACTOR SHALL CONFIGURE FIRE PROTECTION SYSTEM PER NFPA 13, GOVERNING CODE, AND SUPPLEMENTAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
 - ALL DRAWINGS AND SUPPORTING CALCULATIONS REQUIRED BY THE AUTHORITY HAVING JURISDICTION SHALL BE PROVIDED BY THE CONTRACTOR AND SIGNED AND SEALED BY CONTRACTOR'S REGISTERED PROFESSIONAL ENGINEER OR CERTIFIED FIRE SPRINKLER CONTRACTOR.
 - ALL SPRINKLER PIPING SHALL BE ROUTED WITHIN THE ROOF FRAMING SYSTEM TO AVOID CONFLICTS WITH DUCTWORK AND OTHER CONSTRUCTION, AND TO MAINTAIN MINIMUM CLEAR CEILING HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
 - SPRINKLER PIPING SHALL BE SCHEDULE 40 STEEL WITH MALLEABLE IRON FITTINGS AND THREADED JOINTS. ALL SYSTEM MATERIALS SHALL BE UL LISTED AND FM APPROVED FOR FIRE PROTECTION SERVICE.
 - SPRINKLER HEADS IN CEILING ALL BE SEMI-RECESSED WITH CHROME-PLATED ESCUTCHEON. SPRINKLER HEADS IN OPEN AREAS WITHOUT CEILINGS SHALL BE UPRIGHT TYPE.

PLUMBING FIXTURE / EQUIPMENT SCHEDULE

MARK	DESCRIPTION	PLUMBING REQUIREMENTS				BASIS OF DESIGN		ACCESSORIES/NOTES
		CW	HW	WASTE	VENT	MFR	MODEL	
WC	WATER CLOSET - FLR MID FLUSH TANK	1/2	-	4	2	AMERICAN STD	CADET	1.28 GPF; FLONG'D BOWL; 15" RIM (17" ADA); OPEN-FRONT SEAT; TRIP LEVER ON WIDE SIDE OF FIXTURE
LAV	LAVATORY - WALL MTD (ADA)	1/2	1/2	2	2	AMERICAN STD	LUCERNE	0.5 GPM; 1-LVR FAUCET; CONCEALED ARM SUPPORTS; DRAIN W/GRID, TAILPIECE & P-TRAP; (ADA MTC HT & PIPE COVERS); ASSE: 1070 TEMPERING VALVE
MS	MOP SINK	1/2	1/2	3	2	FIAT	MSB 2424	#830-AA FAUCET W/VAC BRKR; SS CURB CAP & WALL GUARDS; HOSE W/BRACKET; MOP HANGER
WH-1B-LL	WATER HEATER - ELECTRIC STORAGE TANK	3/4	3/4	-	-	AO SMITH	DEL-10	10 GAL; 4.5 KW; 208V/1PH; 16 GPH @ 75°F RISE; 110°F OUTLET; T&P RELIEF; SS AUX DRAIN PAN; WANTS PLT-5 EXP'N TANK
NFWH	NON-FREEZE WALL HYDRANT W/COVER	3/4	-	-	-	JR SMITH	5509QT	VACUUM BREAKER; SS BOX W/HINGED LOCKING COVER; KEY-OPERATED 1/4-TURN VALVE
FD	FLOOR DRAIN	-	-	2	2	JR SMITH	2005	6" BRASS GRATE; TRAP GUARD; WANDAL-PROOF SCREWS
RD	ROOF DRAIN	-	-	AS NOTED	-	JR SMITH	1010	102.5 SQ IN FREE AREA; POLYETHYLENE STRAINER DOME; SUMP PAN; FLASHING CLAMP; UNDERDECK CLAMP; BOTTOM OUTLET
ERD	EMERGENCY ROOF DRAIN	-	-	AS NOTED	-	JR SMITH	1080	102.5 SQ IN FREE AREA; POLYETHYLENE STRAINER DOME; SUMP PAN; FLASHING CLAMP; UNDERDECK CLAMP; BOTTOM OUTLET; 2" WATER DAM

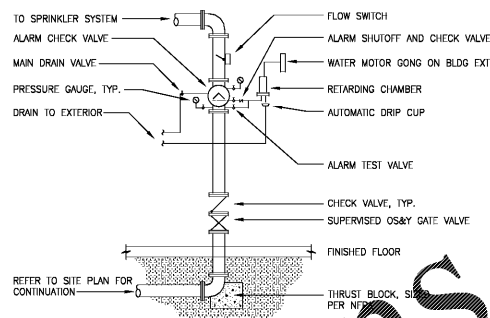


5 WATER HEATER DETAIL
SCALE: NONE



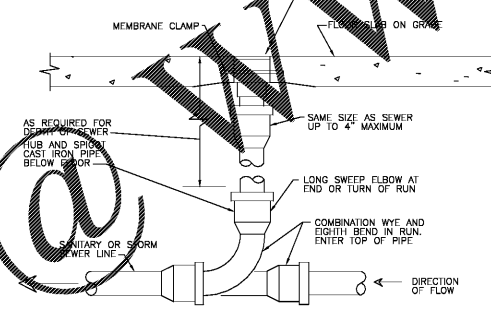
- NOTES:**
- PROVIDE PRESSURE REDUCING VALVE WHERE SERVICE EXCEEDS 75 PSI.
 - COORDINATE MOUNTING HEIGHT AND LOCATION WITH AUTHORITY HAVING JURISDICTION.

1 DOMESTIC WATER RISER
SCALE: NONE



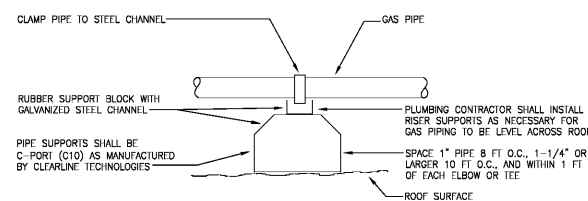
- NOTE:** FIRE DEPARTMENT CONNECTIONS ARE LOCATED AS SHOWN ON REFER TO SITE PLAN FOR CONTINUATION.

2 FIRE PROTECTION RISER
SCALE: NONE



- NOTE:** LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 100' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BRACKET PER ARCHITECTURAL SPECIFICATIONS. CONSULT LOCAL CODES FOR OTHER FGD REQUIREMENTS.

3 FLOOR CLEANOUT
SCALE: NONE



4 PIPING ROOF SUPPORTS
SCALE: NONE

Order Plans

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No.	Description	Date
▲	ISSUED FOR BID AND PERMIT	10/16/20

Salem Gate Market
 RETAIL 1B

CONYERS, GEORGIA

PLUMBING AND FIRE PROTECTION GENERAL NOTES AND DETAILS

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