

GENERAL PLUMBING NOTES

- ANY CONTRACTOR WHO DESIRES TO INSTALL, ENLARGE, ALTER, REPAIR, MOVE OR REPLACE A PLUMBING SYSTEM, THE INSTALLATION OF WHICH IS REGULATED BY THIS CODE, SHALL FIRST MAKE APPLICATION AND OBTAIN THE REQUIRED PERMIT FOR THE WORK AS PER SECTION #106.0 IPC.
- ALL FLOOR SINKS AND HUB DRAINS SHALL BE INSTALLED WITH RIMS 1/2" TO 3/4" ABOVE FINISHED FLOOR AS PER #802.3.2 IPC.
- CONTRACTOR SHALL CONNECT NEW FLOOR DRAINS AND FLOOR SINKS DIRECTLY TO EXISTING SANITARY SYSTEM WITHOUT NEED OF VENTING PER #912 IPC.
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING FOR BIDDING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND TO CONFIRM SPACE ALLOCATIONS.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS AND EXACT LOCATIONS OF FIXTURES.
- CONTRACTOR SHALL VERIFY ALL FLOW LINES PRIOR TO ROUGHING IN.
- ALL WORK SHALL CONFORM TO APPLICABLE PLUMBING CODE, LOCAL BUILDING CODES AND STATE HEALTH REGULATIONS HAVING JURISDICTION.
- PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL, SPRINKLER AND MECHANICAL DRAWINGS AND COORDINATE HIS WORK WITH ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT OF ANY CONFLICTS.
- CONTRACTOR MAY RE-LAYOUT TO HIS ADVANTAGE CODE EQUIVALENT PLUMBING SO AS TO REDUCE INSTALLATION COSTS, OR TO RE-ROUTE TO AVOID CONFLICTS WITH OTHER TRADES AFTER FIRST HAVING RECEIVED THE APPROVAL OF THE ARCHITECT / ENGINEER.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL EQUIPMENT SHALL BE U.L. AND N.E.M.A. LISTED.
- PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANELS TO BE INSTALLED BY GENERAL CONTRACTOR AS REQUIRED FOR PLUMBING INSTALLATIONS.
- ALL VALVES AND SHOKSTOPS SHALL BE ACCESSIBLE.
- SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
- ALL OPENINGS THROUGH RATED WALLS SHALL BE SEALED WITH AN APPROVED FIREPROOFING TO MAINTAIN THE INTEGRITY OF THE WALL.
- PROVIDE MANUFACTURED COMPATIBLE PIPE HANGERS, RODS AND INSERTS, OR CLAMPS FOR THE PROPER SUPPORT OF ALL PIPING. NO BAND IRON, TIE WIRE, METAL STRAPPING OR WIRE STRAPPING WILL BE PERMITTED.
- PROVIDE SUITABLE BACKING AND SUPPORT FOR ALL PLUMBING FIXTURES.
- OFFSET ALL V.T.R.'S AS REQUIRED WHETHER OR NOT SHOWN ON DRAWINGS.
- ALL V.T.R.'S SHALL BE A MINIMUM OF 10 FT. AND/OR AS REQUIRED BY CODE AWAY FROM A/C INTAKES WHETHER OR NOT SHOWN ON PLANS.
- ALL PIPING SHALL BE LABELED.
- UPON COMPLETION OF THE WORK COVERED BY THIS CONTRACT, FURNISH THE OWNER WITH ONE (1) SET OF REPRODUCIBLE RECORD DOCUMENTS WHICH SHOW ALL PLUMBING INSTALLED UNDER THIS CONTRACT.
- ALL PIPING SUBJECT TO FREEZING SHALL BE WRAPPED WITH HEAT TAPE EQUAL TO RAYCHEM "XL TRACE" AND SHALL BE INSULATED.
- ALL WATER PIPING SHALL BE SLOPED TO LOW POINTS AND PROVIDED WITH DRAINS SO THAT ENTIRE SYSTEM MAY BE DRAINED. ALL DRAINS SHALL BE ACCESSIBLE.
- PROVIDE ALL V.T.R.'S WITH 4 LB. HIGH BOOT LEAD FLASHING.
- ALL WATER PIPING INSTALLED BELOW SLAB SHALL BE TYPE "K" COPPER. 2" OR SMALLER SHALL BE LOOPED (NO JOINTS). LARGER THAN 2" SHALL HAVE SILFOS BRAZED JOINTS.
- DO NOT RUN ANY WATER PIPING ABOVE ELECTRICAL PANELS (COORDINATE WITH ELECTRICAL CONTRACTOR).
- CONTRACTOR SHALL NOT INSTALL ANY DEAD ENDS IN WATER PIPING. WATER HAMMER ARRESTORS AND VALVED WATER CONNECTIONS FOR FUTURE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO TEE CONNECTION. WATER HAMMER ARRESTORS SHALL BE INSTALLED ABOVE CEILING FOR ACCESS PURPOSES.

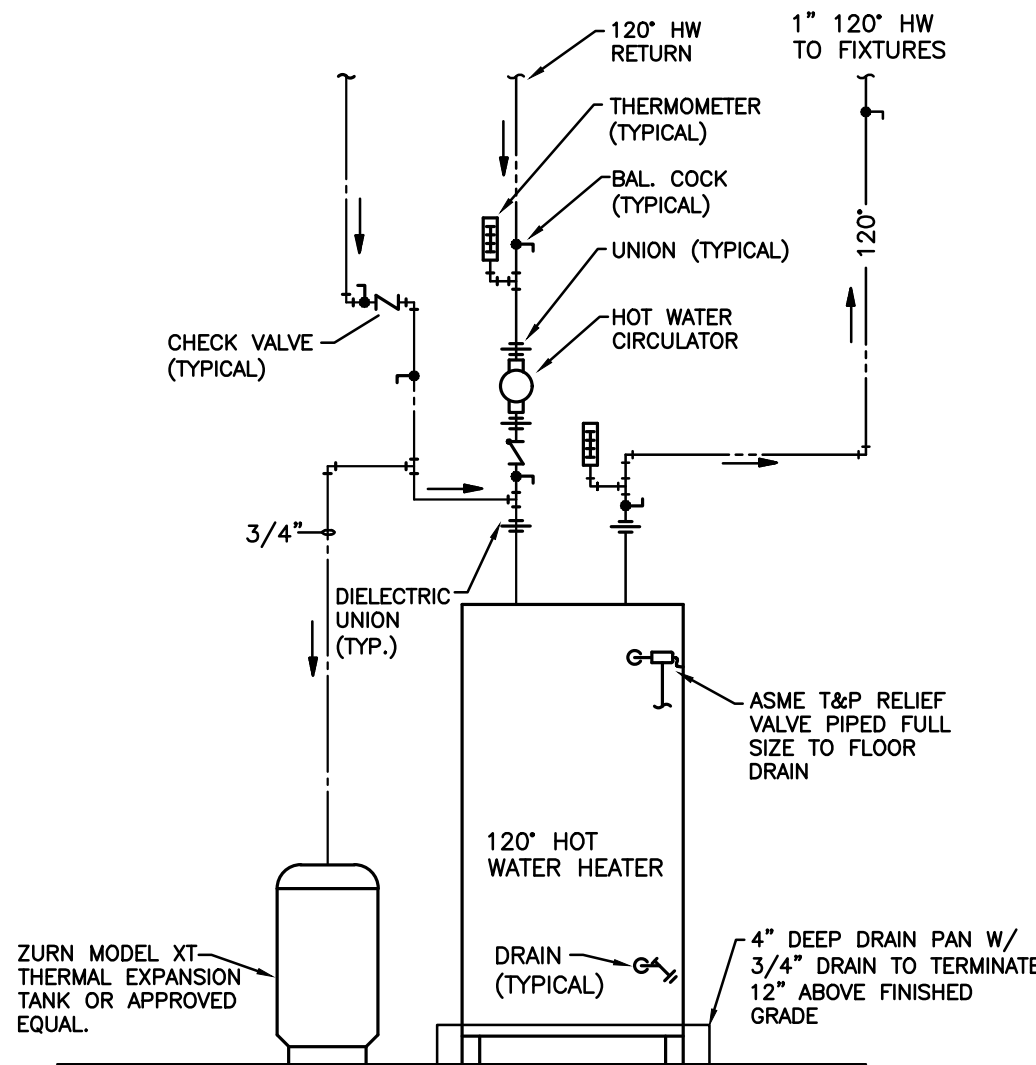
WATER HEATER SCHEDULE		
SYMBOL	FIXTURE	DESCRIPTION
WH=1	HOT WATER HEATER 110"	100 GALLON, 18KW, 240/1/60, STATE MODEL SSE-100-18, PROVIDE AMTROL THERM-X-TROL THERMAL EXPANSION TANK MODEL ST. PROVIDE PAN AND INSTALL HEATER PER DETAIL. PROVIDE WITH P=1 RECIRC PUMP.

NOTES:

- PROVIDE ALL WATER HEATERS WITH ASME T & P RELIEF VALVE. PIPE RELIEF FULL SIZE TO FLOOR DRAIN.
- PROVIDE ALL WATER HEATERS WITH MANUFACTURERS DRAIN PAN. PIPE DRAIN PAN TO NEAREST FLOOR DRAIN.
- PROVIDE GRUNDFOS MODEL UP15-10B5 RECIRCULATING PUMP OR APPROVED EQUAL (P=1), 115 VOLT, 55 WATTS, 1/25 HP, AND (1) SPEED BRONZE 1/2" SWEAT HOUSING.

PIPE INSULATION SIZING GUIDE (2018 IECC TABLE C403.11.3)						
FLUID OPERATING TEMPERATURE RANGE (°F)	NOMINAL PIPE SIZE					
	<1"	1" - 1-1/2"	2" - 4"	4" - 8"	>8"	
>350	4.5"	5.0"	5.0"	5.0"	5.0"	
251-350	3.0"	4.0"	4.5"	4.5"	4.5"	
201-250	2.5"	2.5"	2.5"	3.0"	3.0"	
141-200	1.5"	1.5"	1.5"	2.0"	2.0"	
105-140	1.0"	1.0"	1.0"	1.5"	1.5"	
40-60	0.5"	0.5"	0.5"	1.0"	1.0"	
<40	0.5"	1.0"	1.0"	1.0"	1.5"	

REQUIRED HOT WATER @ 80 DEG. RISE			
QTY	DESCRIPTION	GPH	
3	LAVATORY	15	
1	KITCHEN SINK	5	
2	SHOWERS	28	
1	CLOTHES WASHER	15	
		63	



WATER HEATER DETAIL

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE	DESCRIPTION	SOIL	WASTE	VENT	HW	CW
W=1H	WATER CLOSET	CRANE MODEL 31372 ELONGATED FLOOR MOUNTED TANK TYPE (ADA HIGH BOWL, 1.28 GAL. FLUSH) WITH CENTOCO 1500STSCC OPEN FRONT WHITE SEAT, WITH COVER AND WATTS MODEL 890-003LK ANGLE SUPPLY STOP.	4"	-	2"	-	1/2"
L=1	LAVATORY	KOHLER K-2032 (20-3/4"x18-1/4") VITREOUS CHINA WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS, DELTA MODEL 501WFHDF SINGLE HANDLE FAUCET WITH MCGUIRE 155A GRID STRAINER W/ TAILPIECE, KOHLER K-8998 1 1/4" P-TRAP AND K-7605-P 3/8" SUPPLIES WITH STOPS (PROVIDE CONCEALED ARM CARRIER EQUAL TO WADE).	-	1-1/2"	1-1/2"	1/2"	1/2"
SS=1	KITCHEN SINK	ELKAY MODEL LR2219 STAINLESS STEEL SINK WITH LK35 CUP STRAINER AND TAILPIECE, DELTA MODEL 27T2944 KITCHEN FAUCET W/ SWING GOOSENECK SPOUT. KOHLER K-9000 1-1/2" P-TRAP, B890-D12C LK 1/2" SUPPLY WITH STOP. FURNISH AND INSTALL IN-SINK-ERATOR MODEL BADGER 5 PLUS DISPOSAL, 5/8 HP, 120-1-60	-	1-1/2"	1-1/2"	1/2"	1/2"
SH=1	ADA TRANSFER SHOWER	(BUILT UP TYPE). PROVIDE DELTA MODEL 11T5763 PRESSURE BALANCING SHOWER VALVE AND FIXED HEAD AND HAND HELD SHOWER, 24" SLIDE BAR, VACUUM BREAKER AND DIVERTER VALVE. MOUNT FIXED HEAD AND SLIDE BAR @ 6'-6" A.F.F. (SET LIMIT SHOP @ 110°F - NO EXCEPTIONS).	-	3"	1-1/2"	1/2"	1/2"

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
-----	SANITARY WASTE
-----	SANITARY VENT
-----	COLD WATER (CW)
-----	COLD WATER (CW) BELOW GRADE
-----	115° HOT WATER (HW)
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
C.O.	CLEAN OUT
F.C.O.	FLOOR CLEANOUT
G.C.O.	GRADE CLEANOUT
W.C.O.	WALL CLEANOUT
V.T.R.	VENT THRU ROOF
IVTR	INDIRECT VENT THRU ROOF
WH	WALL HYDRANT
NFWH	NON-FREEZE WALL HYDRANT
NFYH	NON-FREEZE YARD HYDRANT
DF=1	PLUMBING FIXTURE
①	INDICATES RISER NUMBER
R.P.B.P.	REDUCED PRESSURE BACKFLOW PREVENTER
OSCI	OWNER SUPPLIED, CONTRACTOR INSTALLED

DRAIN, CLEANOUT AND HYDRANT SCHEDULE			
SYMBOL	FIXTURE	MANUF.	DESCRIPTION
NEWH	WALL HYDRANT	WOODFORD	MODEL 65 SERIES NON-FREEZE ANTI-SIPHON WALL HYDRANT WITH BRONZE CASING AND INTEGRAL BACKFLOW PREVENTER
HCWH	WALL HYDRANT	WOODFORD	MODEL 22 SERIES NON-FREEZE ANTI-SIPHON HOT AND COLD WATER WALL HYDRANT WITH BRONZE CASING AND ATTACHED BACKFLOW PREVENTER. W/ OPTIONAL LOOSE TEE KEY HANDLE. (MAXIMUM 120° F). MOUNT 24" AFF.
ECQ	FLOOR CLEANOUT	WADE	W-6030 CAST IRON CLEANOUT WITH SECURED DUCTILE IRON SCORiated COVER
WCQ	WALL CLEANOUT	WADE	W-8450-R FOR DRY OR BLOCK WALL CONSTRUCTION OR #W-8450-130-C FOR PLASTER OR TILE WALL CONSTRUCTION
GCQ	GRADE CLEANOUT	WADE	W-6030-Z CAST IRON C.O. WITH LOOSE SET TRACTOR TOP SET IN 18"x18"x6" CONCRETE PAD
FD=1	3" FLOOR DRAIN	PROSET	PROSET PS52 3" FLOOR DRAIN WITH TRAP GUARD AND STRAINER FOR CONCRETE APPLICATION.
ID=1	TRENCH DRAIN	VODALAND	3" BLACK PPE PLASTIC 3.3' IN LENGTH. PROVIDE W/ 2" OUTLET. PROVIDE END CAP.
ID=2 ID=3	TRENCH DRAIN	VODALAND	8" BLACK PPE PLASTIC / STAINLESS STEEL 3.3' IN LENGTH. PROVIDE W/ 3" OUTLET. PROVIDE END CAPS.
OWS=1	OIL/WATER SEPARATOR	VODALAND	120 GALLON OIL / WATER SEPARATOR OB1-1. INSTALL BELOW GRADE WITH ACCESS. FIBERGLASS HEAVY-DUTY / PPE COALESCING FILTER.
WM	WASHER BOX	GUY GRAY	BB-200TS WASHER BOX WITH 1/2" QUARTER TURN TOP SUPPLIES WITH ARRESTORS AND 2" PVC DRAIN FITTING.
IM	ICE MAKER	PLASTIC ODDITIES	PLASTIC ICE MAKER BOX WITH VALVE

NOTES:

- PROVIDE CARPET MARKERS FOR ALL FLOOR CLEANOUTS IN CARPETED AREAS.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH PROSET TRAPGUARD.
- ALL CLEANOUTS AND FLOOR DRAINS IN TILE FLOOR SHALL BE PROVIDED WITH SQUARE TOP.
- ALL VENTS THRU ROOF SHALL BE PROVIDED WITH VANDAL PROOF VENT CAPS.
- PROVIDE VANDAL PROOF SCREWS FOR ALL CLEANOUTS, FLOOR DRAINS.



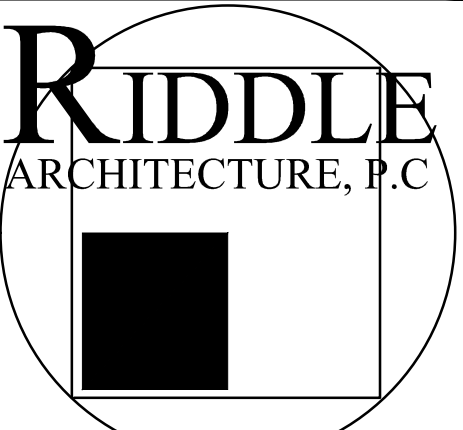
REVISIONS

#	DATE

A NEW
EMS
FACILITY
FOR:

OCONEE
COUNTY

WATKINSVILLE,
GEORGIA



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TITLE: PLUMBING
SCHEDULES AND
DETAILS

JOB #: 2502

DATE: 09.11.26

SHEET #

P3