

GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL A COMPLETE AND OPERABLE PLUMBING SYSTEM. INSTALLATION OF THE PLUMBING SYSTEM SHALL CONFORM WITH THE NORTH CAROLINA PLUMBING CODE - 2012 EDITION, ASHRAE FUNDAMENTALS HANDBOOK, THE CONSTRUCTION DOCUMENTS, AND THE AUTHORITY HAVING JURISDICTION.
2. NO PLUMBING PIPING SHALL BE INSTALLED PRIOR TO APPROVAL OF CONTRACTOR FURNISHED COORDINATION DRAWINGS (INCLUDING BUT NOT LIMITED TO: FIRE SUPPRESSION, PLUMBING, HVAC, LIGHTING, ETC.). ANY WORK PERFORMED PRIOR TO THE APPROVAL OF ABOVE LISTED DRAWINGS MAY BE REMOVED, RELOCATED, OR ALTERED AT NO ADDITIONAL COST TO THE OWNER.
3. IF ANY EQUIPMENT OR FIXTURES ARE SUBMITTED FOR REVIEW DIFFERING FROM THOSE SPECIFIED ON THE DRAWINGS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE PROPER INSTALLATION AND UTILITY CONNECTIONS AT NO ADDITIONAL COST TO THE OWNER.
4. UNLESS OTHERWISE NOTED, PIPING SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS, PARTITIONS, AND IN PIPE SPACES OR CHASES. IN SPACES WITHOUT SUSPENDED CEILING, INSTALL PIPING EXPOSED MINIMUM 7'-6" TO BOTTOM OF PIPE ABOVE FINISHED FLOOR.
5. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SYSTEM BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES.
6. INSTALL PIPING SO ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
7. COORDINATE LOCATION OF ACCESS PANELS TO PROVIDE ACCESS TO VALVES AND OTHER APPURTENANCES REQUIRING ACCESS. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER DIVISION 08.
8. CUTTING OF STRUCTURAL COMPONENTS IS NOT PERMITTED. COORDINATE WITH STRUCTURAL TO ENSURE ADEQUATE CLEARANCE IS AVAILABLE FOR INSTALLATION OF FLOOR MOUNTED FIXTURES.
9. EXTERIOR WALL HYDRANTS SHALL BE MOUNTED 2'-0" ABOVE FINISHED GRADE. INTERIOR HOSE BIBBS SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.
10. INSTALL FLUSHMETER VALVES FOR ACCESSIBLE WATER CLOSETS WITH HANDLE MOUNTED ON WIDE SIDE OF COMPARTMENT.
11. PROVIDE FLOOR CLEANOUTS WITH COVERS DESIGNED FOR SPECIFIC FLOOR FINISH IN WHICH THEY ARE INSTALLED, UNLESS OTHERWISE NOTED.
12. PROVIDE CLEANOUTS AT THE BASE OF WASTE STACKS AND STORM CONDUCTORS. FOR STACKS AND CONDUCTORS CONCEALED IN WALLS OR CHASES, INSTALL CLEANOUT TEES WITH ACCESSIBLE STAINLESS STEEL COVERS. INSTALL CENTERLINE OF CLEANOUT TEES 18" ABOVE FINISHED FLOOR.
13. EXTERIOR VENTS SHALL BE INSTALLED A MINIMUM OF 10'-0" FROM MECHANICAL OUTDOOR AIR INTAKE HOODS/VENTS AND OPERABLE WINDOWS AND DOORS.
14. POLISHED CHROMIUM-PLATED PIPE, VALVES, AND FITTINGS SHALL BE PROVIDED IN FINISHED SPACES WHERE EXPOSED TO VIEW.
15. SET MOP BASINS AND STANDARD SHOWER UNITS IN A LEVELING BED OF CEMENT GROUT. SET ADA TRANSFER AND ROLL-IN SHOWER UNITS PER MANUFACTURER'S INSTRUCTIONS.
16. REFER TO ELECTRICAL DRAWINGS FOR PLUMBING EQUIPMENT ELECTRICAL CHARACTERISTICS.
17. PIPE PENETRATIONS THROUGH FIRE OR SMOKE PARTITIONS, WALLS, AND/OR FLOORS SHALL BE MADE FIRE AND SMOKE TIGHT.
18. FIELD VERIFY CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF DISCREPANCIES WITH THE CONSTRUCTION EQUIPMENT AND/OR POTENTIAL PROBLEMS OBSERVED BEFORE COMMENCING WORK IN THE AFFECTED AREA.

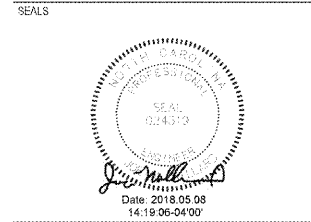
PLUMBING LEGEND

(NOTE: NOT ALL SYMBOLS APPLY TO THIS PROJECT)

CONSTRUCTION SYMBOLS		VALVES AND ACCESSORIES	
#	CONSTRUCTION NOTE	SINGLE LINE	DOUBLE LINE
1111	ROOM NUMBER	↑	↑
A	WASTE RISER NOTE	⊗	⊗
A	WATER RISER NOTE	⊙	⊙
ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	⊕	VALVE IN RISER
A/S	ABOVE SLAB	⊕	BALL VALVE
APPROX.	APPROXIMATE	⊕	BUTTERFLY VALVE
AAV	AIR ADMITTANCE VALVE	⊕	BALANCING VALVE
ABV	ABOVE	⊕	CHECK VALVE
B/G	BELOW GRADE	⊕	STRAINER
B/S	BELOW SLAB	⊕	PRESSURE REDUCING VALVE
BTUH	BRITISH THERMAL UNIT/HOUR	⊕	PRESSURE REGULATOR
BLW	BELOW	⊕	SOLENOID VALVE
C.I.	CAST IRON	⊕	GAS FLOW METER
COMPT	COMPARTMENT	⊕	BACKFLOW PREVENTER
CNTR TOP	COUNTER TOP	⊕	T&P RELIEF VALVE
C	CUBIC FEET/HR	⊕	PRESSURE GAUGE
DIA.	DIAMETER	⊕	THERMOMETER
D.F.U.	DRAINAGE FIXTURE UNIT	⊕	AIR VENT
DWG.	DRAWING	⊕	VACUUM BREAKER
EST	ESTIMATED	⊕	GAS SHUTOFF PULL STATION
EXH	EXHAUST FLUE	⊕	CONCENTRIC PIPE REDUCER
FFE	FINISHED FLOOR ELEVATION	⊕	ECCENTRIC PIPE REDUCER
FT	FOOT/FEET	⊕	PIPE UNION
GA.	GAUGE	⊕	FLOOR DRAIN
GAL	GALLON	⊕	ROOF DRAIN/OVERFLOW DRAIN
GALV.	GALVANIZED	⊕	HUB DRAIN
GPH	GALLONS PER HOUR	⊕	GRADE CLEANOUT/FLOOR CLEANOUT
GPM	GALLONS PER MINUTE	⊕	WALL CLEANOUT/CLEANOUT PLUG
HD	HEAD	⊕	WATER HAMMER ARRESTOR (PDI SIZE A, B, C, OR D)
HGT.	HEIGHT	PIPING	
IN.	INCH	—	WASTE PIPE (W)
INT	COMBUSTION AIR INTAKE	- - - -	VENT PIPE (V)
I.E.	INVERT ELEVATION	- - RL - -	RAIN LEADER
KW	KILOWATT	- - OL - -	OVERFLOW LEADER
MANUF.	MANUFACTURER	- - PD - -	PUMP DISCHARGE
MAX	MAXIMUM	- - NG - -	NATURAL GAS PIPE
MIN	MINIMUM	- - - -	DOMESTIC COLD WATER PIPE (CW)
N.C.	NORMALLY CLOSED	- - - -	DOMESTIC HOT WATER PIPE (HW)
N.O.	NORMALLY OPEN	- - - -	DOMESTIC HOT WATER RETURN (HWR)
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	⊕	TOP CONNECTION
SIM.	SIMILAR	⊕	BOTTOM CONNECTION
STD.	STANDARD	⊕	PIPE CAP
S.S.	STAINLESS STEEL	⊕	PIPE TURNING DOWN
S.F.U.	SUPPLY FIXTURE UNIT	⊕	PIPE TURNING UP
TYP.	TYPICAL	⊕	DIRECTION OF FLOW
U.O.N.	UNLESS OTHERWISE NOTED	⊕	PITCH DOWN IN DIRECTION OF FLOW
VTR	VENT THRU ROOF	⊕	

WILMINGTON, NC
**HAYNES / LACEWELL
 POLICE AND FIRE
 TRAINING FACILITY**

DESIGNER
CLARK NEXSEN
 213 South Jefferson, Suite 1011
 Roanoke, Virginia 24011
 540-982-0800
 www.clarknexsen.com
 Clark Nexsen License Number: C-1028



SUBMITTAL
 4 MAY 2018
CONSTRUCTION DOCUMENTS

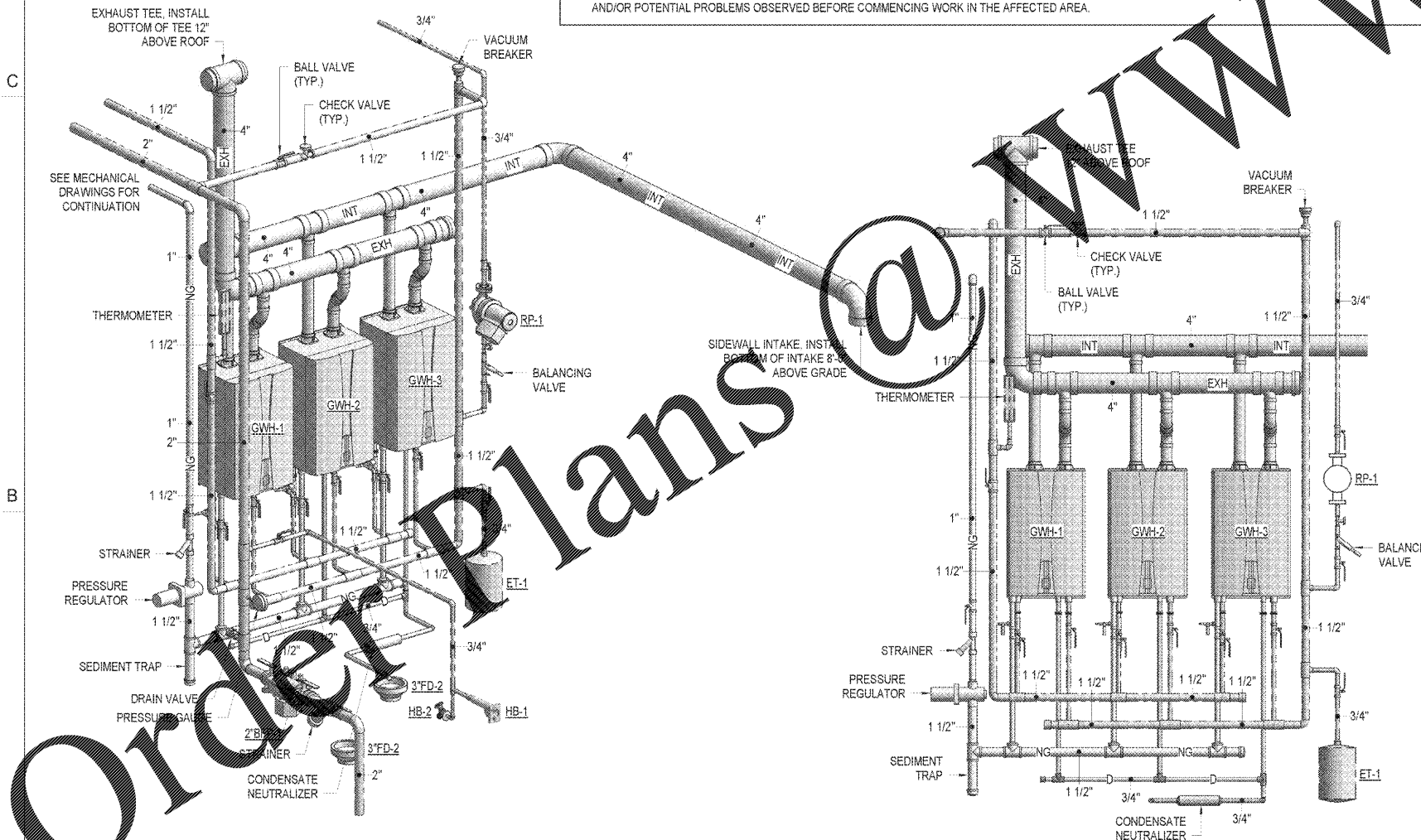
REVISIONS

NO.	DESCRIPTION

SHEET
**PLUMBING LEGEND AND
 NOTES**

P-001

DESIGN: RWH
 DRAWN: RWH
 REVIEW: DAC
 CN 5938



WATER HEATER RISER DIAGRAM
 NO SCALE

WATER HEATER ELEVATION
 3/4" = 1'-0"

5/2/2018 10:56:10 AM
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