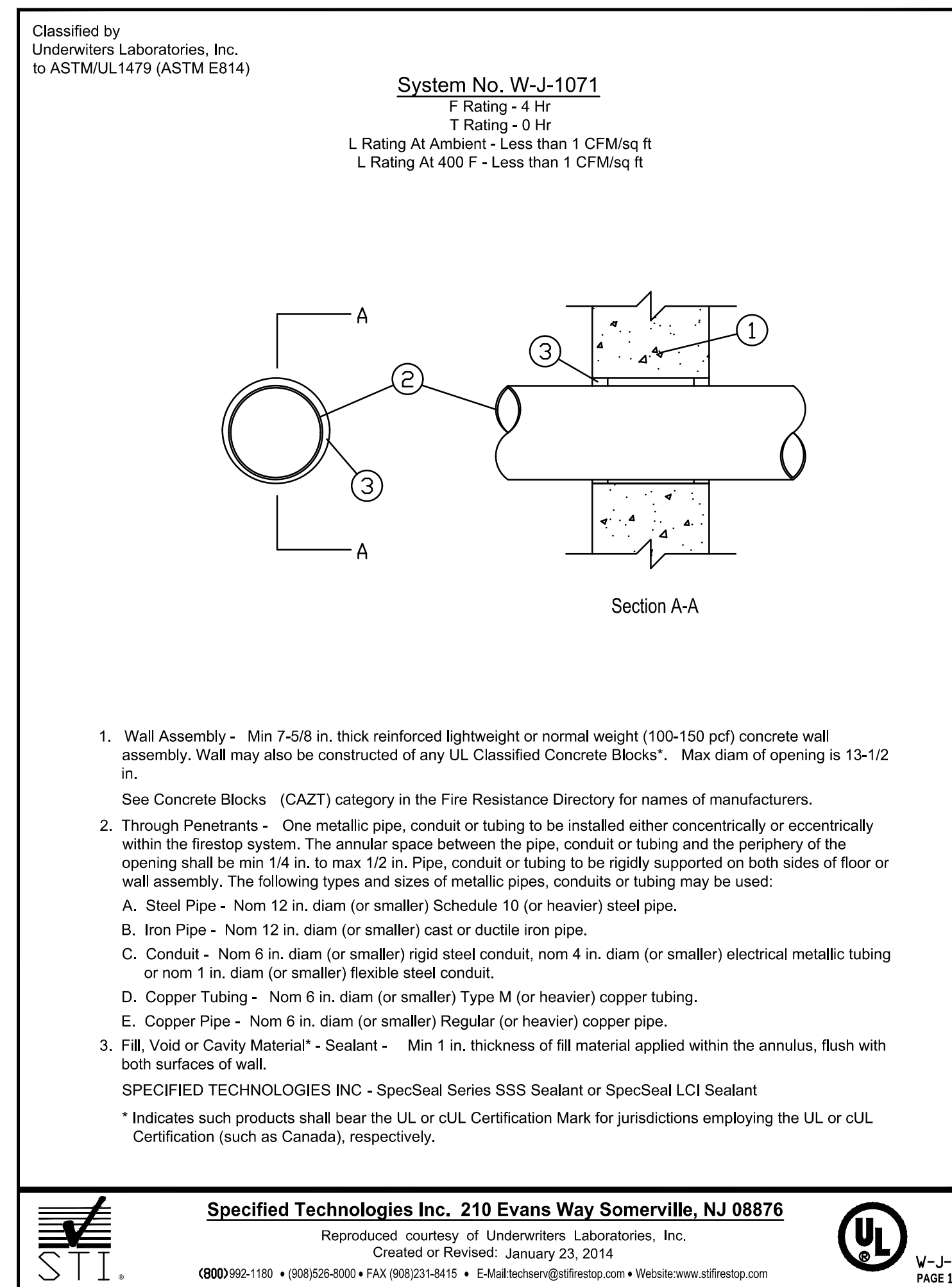


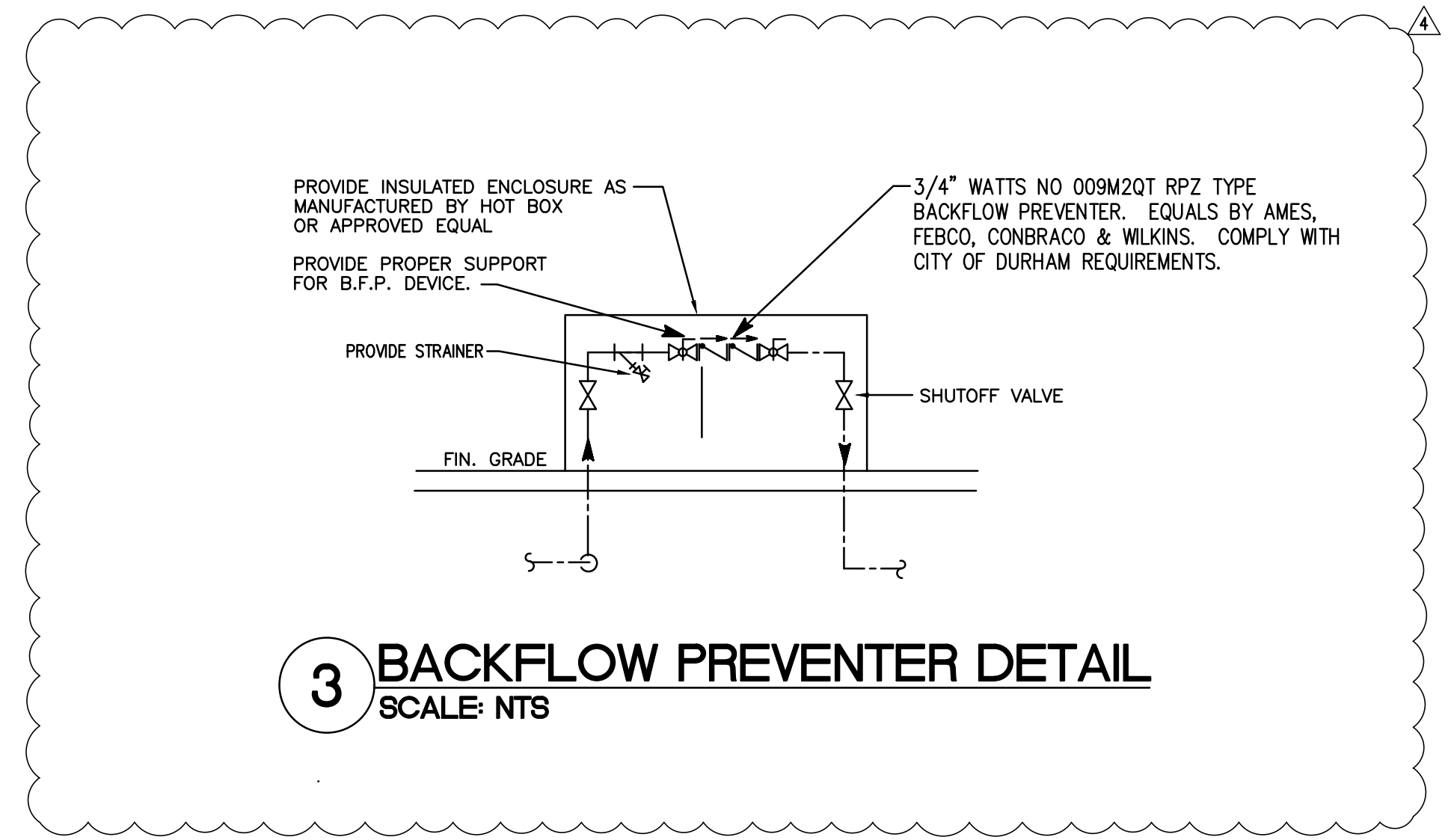
2 ELEVATOR SUMP PUMP DETAIL
SCALE: NTS



1 FOR CMU WALLS ONLY
4 HOUR PENETRATION FIRESTOP
FOR METALLIC PIPE, CONDUIT, OR TUBING
 SCALE: NTS

PLUMBING LEGEND AND ABBREVIATIONS

---	SANITARY SEWER PIPING (W)
----	VENT PIPING (V)
----	COLD WATER PIPING (CW)
----	HOT WATER PIPING (HW)
○	ELL TURNS UP
○	ELL TURNS DOWN
○	TEE FROM BELOW
○	CHECK VALVE
○	BALL VALVE
○	CLEANOUT IN WALL (WCO)
○	CONNECT TO EXISTING
○	AIR ADMITTANCE VALVE
FD - X	FLOOR DRAIN - TYPE (SEE SCHEDULE)
H.B.	HOSE BIBB
P.C.	PLUMBING CONTRACTOR
V.T.R.	VENT THROUGH ROOF
CV	COMMON VENT
RPZ	REDUCED PRESSURE ZONE
ETR	EXISTING TO REMAIN
HD	HUB DRAIN
FM	FORCE MAIN



RENOVATION NOTES:

- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS.
- SEE ARCHITECTURAL FOR EXTENT OF RENOVATIONS.
- SEE ARCHITECTURAL FOR SCOPE OF DEMOLITION WORK. CAP AND/OR PLUS ALL WASTE, WATER AND VENT LINES PREVIOUSLY SERVING FIXTURES AND EQUIPMENT BEING REMOVED. VERIFY CAPPED PIPING WILL BE CONCEALED AND/OR WILL NOT CONFLICT WITH NEW SPACE LAYOUT. ENSURE THAT ALL WASTE LINES BEING REMOVED ARE PLUGGED SUCH THAT SEWER GASES WILL NOT ESCAPE SANITARY SYSTEM.
- ALL NEW PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILING / BELOW SLAB UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL RECONNECT ANY EXISTING FIXTURES TO REMAIN WHERE THE EXISTING PIPING IS AFFECTED BY THE NEW OR DEMOLITION WORK.
- WHERE AFFECTED BY NEW OR DEMOLITION WORK, CONTRACTOR SHALL RELOCATE ANY EXISTING PIPING, COMPONENTS, OR SYSTEMS THAT ARE REQUIRED TO REMAIN IN ORDER TO KEEP EXISTING SYSTEMS OPERATIVE.
- CONTRACTOR SHALL VERIFY THAT THERE IS SUFFICIENT CLEARANCE ABOVE CEILING FOR ALL AREAS AFFECTED BY NEW OR DEMOLITION WORK.
- CONTRACTOR SHALL SURVEY THE EXISTING UNDER SLAB SEWER PIPING WITH A CAMERA PRIOR TO CUTTING CONCRETE. THE ENGINEER SHALL BE CONTACTED IF THE EXISTING LINES ARE NOT IN THE LOCATION SHOWN OR ARE IN POOR WORKING ORDER.
- ANY SLAB CUTTING FOR PLUMBING ACCESS REQUIRES SOIL COMPACTION, VAPOR BARRIER AND EMBEDDED #4 DOWELS 18" O.C.
- CLEAN AND SERVICE ALL EXISTING FIXTURES TO REMAIN SO THAT FIXTURES FUNCTION PROPERLY.

NOTE:
 THE EXISTING LOCATIONS SHOWN ON DEMO PLAN TO BE REMOVED OR RELOCATED ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. ANY ITEMS REQUIRED TO BE REMOVED OR RELOCATED SHALL BE INCLUDED IN CONTRACTOR'S COST, WHETHER SHOWN ON THIS PLAN OR NOT. UNLESS SPECIFICALLY NOTED OTHERWISE, WHERE A FIXTURE OR ITEM IS NOTED TO BE DEMOLISHED, THE WORK SHALL INCLUDE REMOVING ALL ASSOCIATED PIPING, FITTINGS, INSULATION ETC. AND SHALL INCLUDE ANY PATCH, REPAIR, PAINT OR REFINISH NECESSARY TO RESTORE THE LOCATION TO MATCH THE SURROUNDINGS. THE CONTRACTOR MAY REUSE ANY EXISTING PIPING, FITTINGS, VALVES ETC. WHERE THEY HAVE BEEN INSPECTED AND ARE DETERMINED TO BE ACCEPTABLE TO THE OWNER AND/OR IN LIKE-NEW CONDITION.

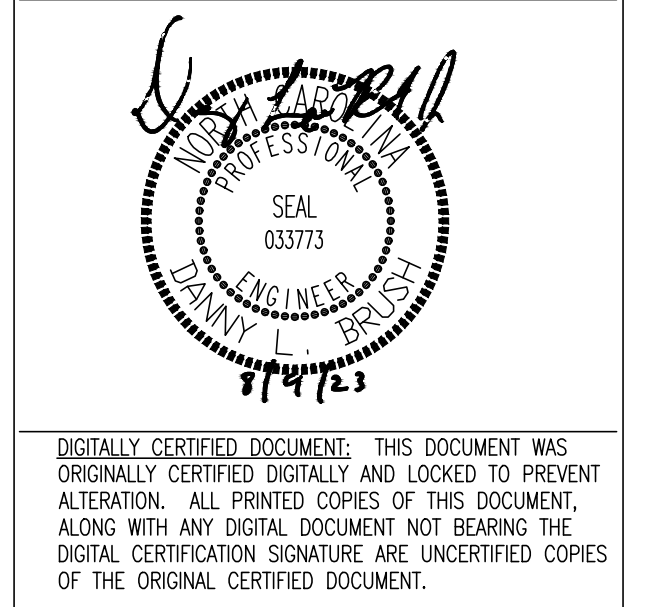
PLUMBING SPECIFICATIONS:

- THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH 2018 NORTH CAROLINA PLUMBING CODE AND LOCAL PLUMBING INSPECTOR.
- ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
- THESE PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, TEES, ELBOWS, ETC. FOR A COMPLETE WORKING PLUMBING SYSTEM.
- THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTIONS, TAPS, ETC.
- CONTRACTOR SHALL COORDINATE ANY PLUMBING SYSTEM REQUIRING SHUTDOWN WITH THE OWNER 48 HOURS IN ADVANCE.
- ALL DOMESTIC WATER PIPING SHOWN IS ABOVE CEILING/WITHIN WALLS UNLESS NOTED OTHERWISE.
- ALL DOMESTIC WATER PIPING (ABOVE SLAB) SHALL BE TYPE "L" COPPER WITH 95/5 LEAD FREE SOLDER.
- ALL WATER PIPING SHALL BE INSULATED WITH CLOSED CELL (ARMAFLEX) TYPE INSULATION WITH THE FLAME DENSITY RATING NOT EXCEEDING 25 & THE SMOKE DENSITY RATING NOT EXCEEDING 50. THICKNESS FOR COLD WATER PIPING SHALL BE 1/2" THICK. THICKNESS FOR HOT WATER & RETURN PIPING SHALL BE 1" THICK. ROOF DRAIN BODIES AND HORIZONTAL PRIMARY PIPING SHALL BE INSULATED WITH MINERAL FIBER INSULATION WITH FACTORY APPLIED ASJ, MINIMUM 1-1/2" THICK.
- ALL BRANCH LINES AND BASE OF RISERS SHALL HAVE SHUT-OFF VALVES. ALL DOMESTIC WATER BALL VALVES SHALL BE BRASS BODY, FULL PORT, CHROME PLATED BALL, TEFLON SEATS, 150 # WSP. FOR SIZES 1/2" THRU 3", SIZES ABOVE 3" SHALL BE BRONZE GATE VALVE, 150 # WSP. SIZES 1/2" THRU 3" SHALL BE BRONZE GATE VALVE, 150 # WSP. SIZES 4" AND ABOVE SHALL BE BRONZE GATE VALVE, 150 # WSP. PROVIDE VALVE HANDLE EXTENSIONS AS REQUIRED FOR INSULATION.
- ALL PLUMBING FIXTURES WITH QUICK-CLOSING VALVES AND KITCHEN EQUIPMENT SHALL HAVE A PISTON TYPE WATER HAMMER ARRESTOR SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS & PDI STANDARDS.
- ALL SANITARY SEWER PIPING SHOWN IS BELOW SLAB/WITHIN WALLS UNLESS NOTED OTHERWISE. ALL SANITARY VENT PIPING SHOWN IS ABOVE CEILING/WITHIN WALLS UNLESS NOTED OTHERWISE.
- ALL STORM, WASTE AND VENT PIPING (ABOVE SLAB) SHALL SERVICE WEIGHT CAST IRON WITH NO-HUB FITTINGS CONFORMING TO CSPI 301-90. JOINTS SHALL BE ONE-PIECE NEOPRENE GASKET WITH STAINLESS STEEL BAND AND BOLTS CONFORMING TO ASTM C564-85.
- ALL STORM, WASTE & VENT PIPING (UNDERGROUND) SHALL BE PVC-DWV WITH PIPING AND FITTINGS CONFORMING TO ASTM D-2685.
- ALL PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY 2018 NORTH CAROLINA PLUMBING CODE & MANUFACTURER'S RECOMMENDATIONS.
- ALL PIPING PENETRATIONS THRU NEW / EXISTING WALLS / FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE NEW / EXISTING WALL OR FLOOR.
- ALL PLUMBING SYSTEMS SHALL BE TESTED AS REQUIRED PER 2018 NORTH CAROLINA PLUMBING CODE.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL UNDERSLAB PLUMBING PIPING WITH ALL STRUCTURAL FOUNDATIONS. P.C. SHALL COORDINATE ALL UNDERSLAB PLUMBING PIPING ELEVATION INVERTS WITH SITE UTILITY ELEVATION INVERTS.
- THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AS REQUIRED PER LOCAL AUTHORITY. PURGE WATER PIPING PRIOR TO SETTING BACKFLOW PREVENTER.
- THE NEW PORTION OF THE DOMESTIC WATER SYSTEM SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED IN ACCORDANCE WITH 2018 NORTH CAROLINA PLUMBING CODE. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES. SUBMIT THIRD-PARTY WITNESS REPORTS OF PURGING AND DISINFECTING ACTIVITIES.
- PLUMBING CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
- PLUMBING CONTRACTOR SHALL PROVIDE CLEANOUTS IN COMPLIANCE WITH NCPD SECTION 708, INCLUDING THE FOLLOWING LOCATIONS:
 - ON ALL HORIZONTAL DRAINS, NO FURTHER THAN 100FT APART.
 - AT EVERY FOUR (4) 45° TURNS OR EVERY TWO (2) 90° TURNS.
 - AT THE BASE OF WASTE STACKS.
 - AS SHOWN ON PLANS.

PLUMBING SUMMARY

SYSTEM & MATERIAL	FIXTURE UNITS	MAIN SIZE
WASTE AND VENT SYSTEM		
BELOW SLAB: PVC DWV SCHEDULE 40 IPS (SOLID) CONFORMING TO ASTM D-2685	N/A	N/A
ABOVE SLAB: SERVICE WEIGHT CAST IRON WITH NO-HUB FITTINGS		
DOMESTIC WATER SYSTEM		
BELOW SLAB: TYPE "K" SOFT COPPER WITH NO JOINTS BELOW SLAB	N/A	N/A
ABOVE SLAB: TYPE "L" ANNEALED COPPER WITH 95/5 SOLDER JOINTS.		

* PLUMBING FIXTURES BEING ADDED ARE EQUAL TO OR LESS THAN THOSE BEING DEMOLISHED. THE EFFECT ON THE BUILDING PLUMBING SYSTEM IS NEUTRAL.



No.	Description	Date
1	REV01-CODE COMMENTS	08.09.2023

PROJECT #: 210029
 DATE: 03-09-2023

PLUMBING COVER SHEET

P0.1

1" = 4'-0"
 1/2" = 2'-0"

DIGITAL PRINT DATE: 2/23/2023 2:44:03 PM