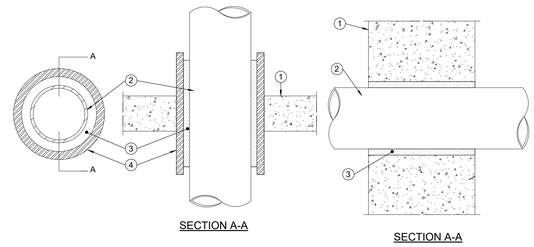
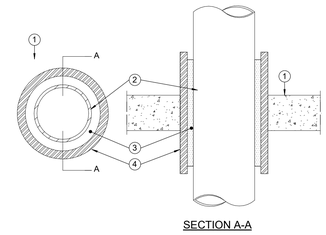


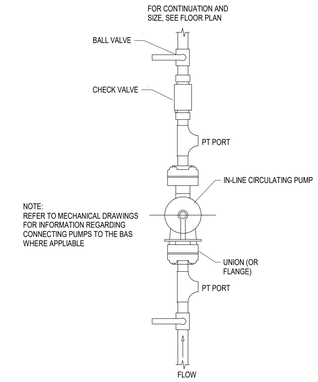
1. NON-RATED FLOOR/WALL
2. THROUGH PENETRANT: INSULATED PIPE
3. FILL, VOID, OR CAVITY MATERIAL: SILICONE CAULK
4. STEEL PIPE SLEEVE - MIN. 1" LIP AFF

3 DETAIL - NON-RATED FLOOR/WALL PIPE PENETRATION
1/8" = 1'-0"

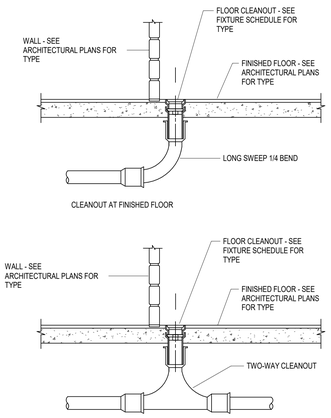


1. NON-RATED FLOOR
2. THROUGH PENETRANT: INSULATED PIPE
3. FILL, VOID, OR CAVITY MATERIAL: SILICONE CAULK
4. STEEL PIPE SLEEVE - MIN. 1" LIP AFF

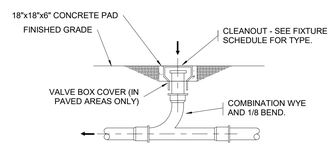
2 DETAIL - NON-RATED FLOOR PIPE PENETRATION
1/8" = 1'-0"



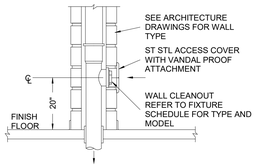
1 DETAIL - CIRCULATING PUMP-BAS
NOT TO SCALE



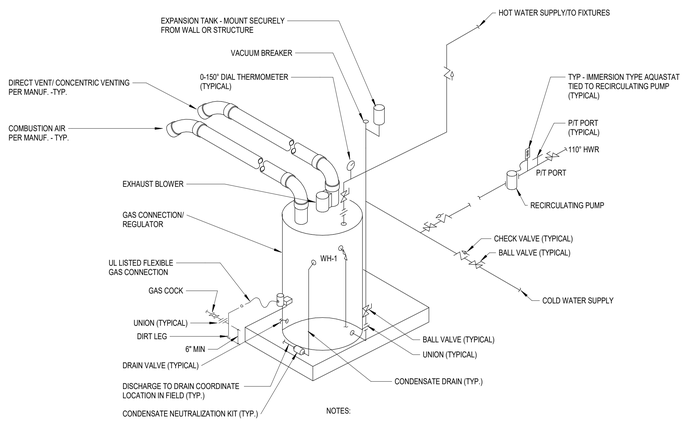
4 DETAIL - CLEANOUT AT FINISHED FLOOR
NOT TO SCALE



5 DETAIL - CLEANOUT AT FINISHED GRADE 1-WAY
1/8" = 1'-0"

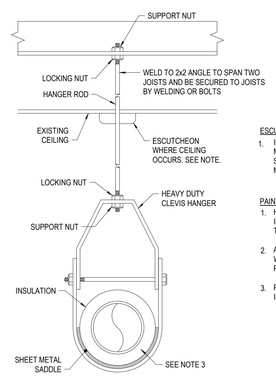


6 DETAIL - CLEANOUT AT WALL
1/8" = 1'-0"



NOTES:
1. REQUIREMENTS FOR THERMAL EXPANSION MUST BE MET.
2. FLOOR DRAIN FOR RELIEF VALVE PIPING LOCATION MUST BE COORDINATED.
3. PROVIDE A CHECK VALVE IN VERTICAL SUPPLY PIPING TO FIXTURES
4. PROVIDE 4" CONCRETE MAINTENANCE PAD FOR HEATER(S) AND TANK(S)
5. PROVIDE 3' MIN. CLEARANCE IN FRONT OF HEATER(S) AND TANK(S)

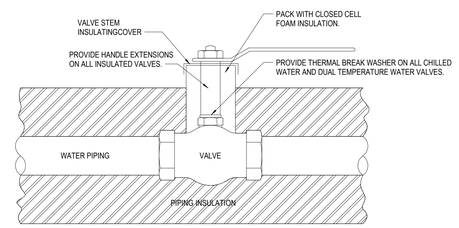
7 DETAIL - GAS WATER HEATER W/STORAGE TANK
NOT TO SCALE



ESCUTCHEON NOTE:
1. IN SPLINE CEILINGS, ESCUTCHEON MAY BE 12"x12" (APPROX.) 22 GA. SHEET METAL PLATE. PAINT TO MATCH CEILING.

PAINT NOTES:
1. HANGER, HANGER ROD, SADDLE, INSULATION, ETC. SHALL BE PAINTED TO MATCH CEILING WHERE EXPOSED.
2. ABOVE CEILING OR EXPOSED WITHOUT CEILING: PAINT HANGER, ROD, ETC. AND ALL EXPOSED METAL.
3. PROVIDE 12" LG SECTION OF RIGID INSULATION AT HANGER.

9 DETAIL - PIPE HANGERS
NOT TO SCALE



8 DETAIL - INSULATED PIPE VALVE
NOT TO SCALE

2/19/2024 3:34:07 PM

boomerang DESIGN
rethink, repurpose, results

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PROJECT #23015

COOPER ACADEMY A & R
PROJECT TITLE

"CLIENT'S PROJECT" # - XXX

NORTH CAROLINA PROFESSIONAL SEAL 025400 ENGINEER STEVE W. CAMPBELL

02/19/2024

SCAMPBELL@PDCENGINEERS.COM

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2. MATERIALS, DIMENSIONS AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE DEFINED ON THIS DRAWING SHALL BE CONSTRUED AS HAVING THE SAME MEANING AS SIMILARLY INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS OF THIS PROJECT.

3. DO NOT SCALE OFF DIMENSIONS.

REVISIONS

NO.	DATE	DESCRIPTION
1	02/20/2024	ADDENDUM 01

BID SET
PROJECT PHASE

2307
BOOMERANG DESIGN PROJECT NUMBER

02.07.2024
DRAWING RELEASE DATE

DETAILS
SHEET TITLE

P501
SHEET