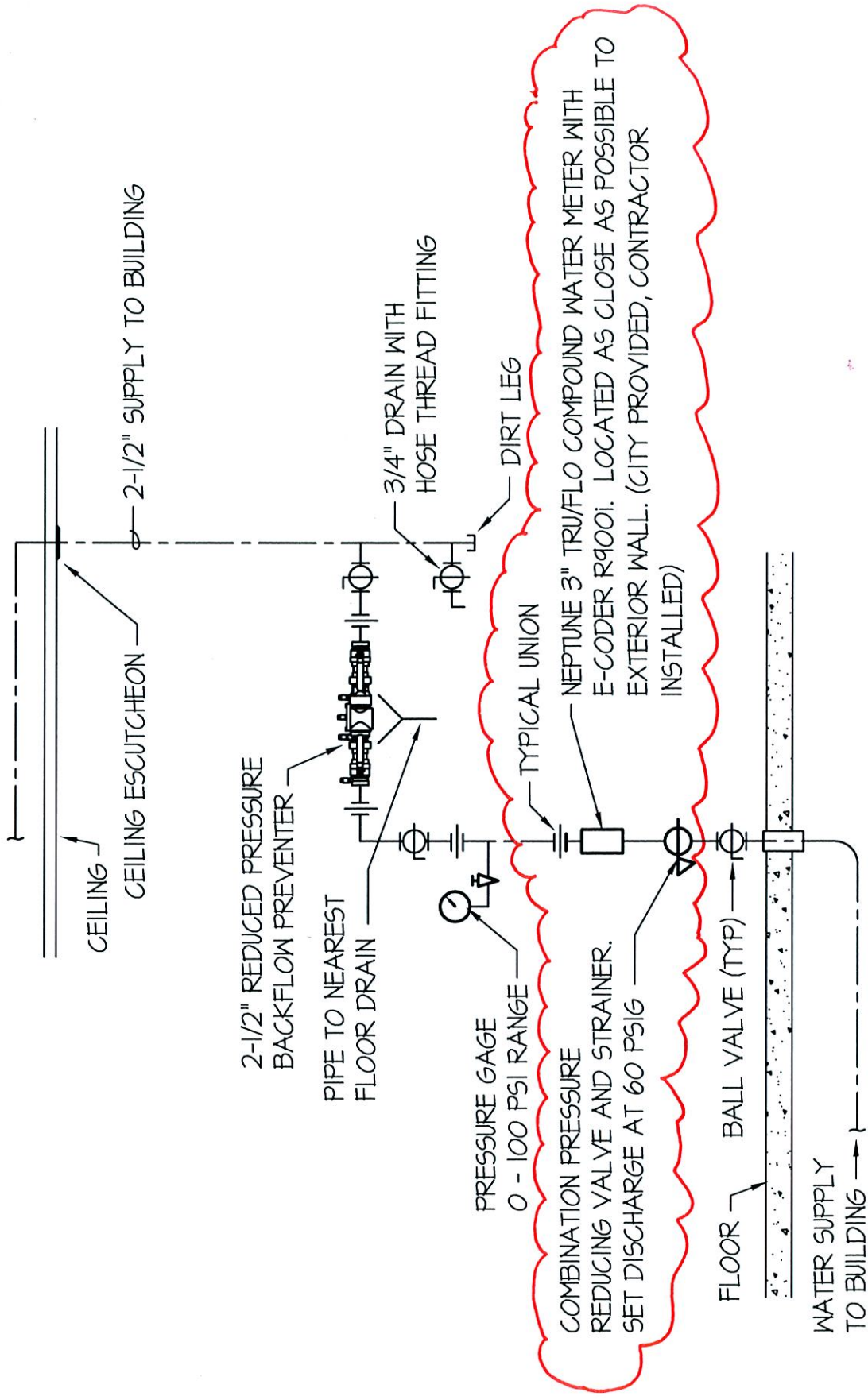


POCATELLO / CHUBBUCK EVENT CENTER 6-3-2014



VERTICAL WATER PRESSURE REDUCING STATION

NO SCALE



SECTION 221313 - SOIL, WASTE, & VENT PIPING SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings, General Provisions of Contract, including General and Supplementary Conditions and Section 22 05 01 apply to this Section.

1.2 SUMMARY

- A. Furnish and install soil, waste, and vent piping systems within building and connect with outside utility lines 5 feet out from building where applicable.
- B. Perform excavation and backfill required by work of this Section.

PART 2 - PRODUCTS

2.1 BURIED LINES

- A. Service weight, single-hub type cast iron soil pipe and fittings meeting requirements of ASTM A 74-87, "Specification for Cast Iron Soil Pipe & Fittings".
 - 1. Joint Material:
 - a. Rubber gaskets meeting requirements of ASTM C 564-88, "Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings".
 - b. No hub stainless steel clamps with neoprene gasket.
- B. ABS-DWV or PVC-DWV plastic waste pipe and fittings as permitted by state and local plumbing code. **SOLID CORE DESIGN. (BURIED LINES ONLY)**

2.2 ABOVE GRADE PIPING & VENT LINES

- A. Same as specified for buried lines except no-hub pipe may be used. **(CAST IRON, ABS-DWV OR PVC-DWV)**
- B. Vent lines 2-1/2 inches or smaller may be Schedule 40 galvanized steel.
- C. Joint Material:
 - 1. Bell & Spigot Pipe - rubber gaskets meeting requirements of ASTM C 564-88, "Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings".
 - 2. No-Hub Pipe - Neoprene gaskets with stainless steel cinch bands.
 - 3. Galvanized Pipe - Screwed Durham tarred drainage fittings, or Victaulic.
 - 4. ABS-DWV solvent weld fittings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Do not caulk threaded work.
- B. Slope horizontal pipe at 1/4 in/ft.
- C. Cleanouts:
 - 1. Provide and set full size cleanouts at foot of each riser, and ends of branches from toilets, at points where a change of direction occurs, on exposed and accessible traps, at points where required to remove rust accumulation or other obstructions and as shown on plans. Set screw cap in cleanout with graphite paste. Cleanouts in walls shall be flush and covered with a chrome plated cleanout cover screwed into the cleanout plug. Cleanouts in floors shall be flush using Zurn, Josam, or Wade floor level cleanout fittings. Location of all cleanouts subject to approval of inspector.
- D. Each fixture and appliance discharging water into sanitary sewer or building sewer lines shall have seal trap in connection with complete venting system so gasses pass freely to atmosphere with no pressure or syphon condition on water seal.
- E. Vent entire waste system to atmosphere. Discharge 14 inches above roof. Join lines together in fewest practicable number before projecting above roof. Set back vent lines so they will not pierce roof near edge or valley.
- F. Use torque wrench to obtain proper tension in cinch bands when using hubless cast iron pipe. Butt ends of pipe against centering flange of coupling.
- G. Flash pipes passing through roof with 16 oz sheet copper flashing fitted snugly around pipes and calk between flashing and pipe with flexible waterproof compound. Flashing base shall be at least 24 inches square.
 - 1. Flashing may be 4 lb per sq ft lead flashing fitted around pipes and turned down into pipe 1/2 inch with turned edge hammered against pipe wall.

3.2 FIELD QUALITY CONTROL

- A. Before piping is covered, conduct tests for leaks and defective work. Notify Architect prior to testing. Correct leaks and defective work. Fill waste and vent system to roof level with water, 10 feet minimum, and show no leaks for two hours.

END OF SECTION 221313



**Air Control Products
Intermountain, Inc.**

Manufacturers Representative

5200 South 300 West Salt Lake City, Utah 84107-4793
(801) 262-9933 1-800-245-2252 Fax (801) 262-9937

DATE: June 2, 2014

TO: Ron Rice

PROJECT: PCAD Event Center – Chubbuck, Idaho

CO: ESA

ARCHITECT: Booth Architecture LLC

RE: Prior Approval Request

BID DATE: 6.24.2014

We respectfully submit the following name brand equipment for your consideration for approval as an alternate as it applies to the above referenced project.

Registers, Grilles & Ceiling Diffusers
Ceiling Exhaust Fans
Louvers

- CARNES
- BROAN COMMERCIAL
- CESCO

Air Control Products Intermountain, Inc. certifies:

1. The proposed Brands have been investigated and determined to have equal or superior products in all respects to the specified product.
2. Same warranty will be furnished for proposed equal products as for specified products.
3. Same maintenance service and source of replacement parts, as applicable, is available.
4. Proposed products will have no adverse effect on other trades and will not affect or delay progress schedule.
5. Proposed product does not affect dimensions and functional clearances.

If you have any questions or need more information on any of the above products, please feel free to call me at (801) 262-9933 or (800) 245-2252 or email me at brytye@gmail.com.

Respectfully Submitted
Air Control Products Intermountain, Inc.
Bryan Tye
Vice President

APPROVED
6-5-14
R. RICE



McGregor & Associates Inc.
Manufacturers Representative

1578 West 7800 South
West Jordan, UT 84088

(801) 566-8225
Fax# (801) 566-8233

FORMAL REQUEST FOR PRIOR APPROVAL

Date: 6-3-14

To: Plumbing Engineer

We are requesting prior approval for the following items on the Pocatello Chubbuck Auditorium District Event Center job.

American Standard Faucets

American Standard Piston Operated Flush Valves

American Standard Toilet Seats

[WWW.americanstandard-us.com](http://www.americanstandard-us.com)

Other _____

Product specification and information is available at your request. Please call with questions and

Thank you for your consideration.

Tracy Erickson
McGregor & Associates, Inc.
Phone: 801-566-8225
Fax: 801-566-8233
Email: tracy@mcgregor-assoc.com

APPROVED
6-5-14
R. RICE