

SECTION 15421

DRAINS AND CLEANOUTS

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. Division 7 - Thermal and Moisture Protection.
2. 15410 - Piping (Plumbing).

1.02 SUBMITTALS

A. Product Data: Submit properly identified manufacturer's literature before starting work.

B. Submit Shop Drawings/Catalog cuts on the following:

1. Drains.
2. Cleanouts.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Model numbers are taken from Josam.

1. Accepted equivalents:

- a. Jay R. Smith Mfg. Co.
- b. Blucher-Josam.
- c. Wade.
- d. Zurn.

2.02 MATERIALS

A. Drains:

1. Shower Stall:

- a. Coated cast iron floor drain, 2 piece body, double drainage flange, invertible non-puncturing flashing collar, weepholes, bottom outlet, inside caulk connection, and adjustable satin Nikaloy 6" X 6"

Project Name

M-DCPS MASTER

March 03

Project No.

SPECIFICATION GUIDELINES

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super-flo strainer. Josam No.30000-6S-X.

2. Toilet Room:

- a. Same as Shower Stall above except for primer trap, Josam No.30000-6S-50-X by Josam or accepted equivalent.

3. Mechanical Equipment Room:

- a. Modular coated cast iron floor drain with double drainage flange, non-puncturing flashing collar, weepholes, bottom outlet, inside caulk connection, round top, removable shallow sediment bucket, trap primer connection, and medium duty anti-tilting super-flo grate with perimeter drainage slots. No.32120-50-X by Josam or accepted equivalent.

4. Kitchen:

- a. Floor drain with primer tap, Jiffie-joint connection, double drainage flange, weepholes, bottom outlet, inside caulk connection, removable shallow sediment bucket that supports a medium duty anti-tilting Nikaloy 12-5/8" diameter super-flo grate. No.32220S-50-X-35-1, by Josam or accepted equivalent.

5. Funnel Drain:

- a. Two piece body, double drainage flange, flashing collar, weepholes, 9" x 3-1/2" oval Nikaloy Funnel. No.30000E3-6S-X by Josam or accepted equivalent.

6. Can Wash:

- a. Coated cast iron, double drainage flange, weepholes, square top, removable sediment bucket, bronze adjustable spray nozzle. No.39240 by Josam or accepted equivalent.

7. Area Drain:

- a. Coated cast iron floor drain with double drainage flange, weepholes, bottom outlet inside caulk connection, square top, medium duty grate, and sediment bucket. If drain occurs over occupied area

use flashing clamp option. No.35440-81-X by Josam or accepted equivalent.

8. Area Drain:

- a. Coated cast iron with round heavy duty anti-tilting grate with perimeter drainage slots, medium sump, bottom outlet. No.24000 by Josam or accepted equivalent.

9. Area Drain:

- a. Coated cast iron deep drain with double drainage flange, weepholes, side outlet hub connection, removable sediment bucket and heavy duty hinged grate. No.36640 by Josam or accepted equivalent.

10. Trench Drain:

- a. Square, satin Nikaloy strainer with composition decking flange, adapted for 3-1/2" I.P.S. thread. No.76000-1 by Josam or accepted equivalent.

11. Rectangular Drain:

- a. No.30000-R with 5" X 13" strainer by Josam or accepted equivalent.

NOTE TO SPECIFIER: Roof drains are allowed only at reroofing projects.

12. Roof Drain:

- a. Coated cast iron roof drain with sealing gasket, large vandalproof cast iron polypropylene locking dome, non-puncturing clamp ring with internal gravel stop, adjustable top with wide roof flange, under deck clamp assembly, large sump with anchor flange and bottom outlet inside caulk connection. No.21000-10-22-Z-3 by Josam or accepted equivalent.

13. Mechanical Penthouse:

- a. Coated cast iron with round heavy duty anti-tilting Nikaloy grate with perimeter drainage slots, medium sump and bottom outlet inside caulk connection.

No.24000-50-X by Josam or accepted equivalent.

B. Cleanouts and Cleanout Access Covers:

1. Floor, Interior Finished Rooms:

- a. Cast iron, adjustable inside caulk outlet, brass internal plug, Nikaloy scoriated cover plate secured by countersunk plug. No.56020-88-15 by Josam or accepted equivalent.

2. Stack Base for Use in Block Walls:

- a. Cast iron "T" branch tee with plated cast iron countersunk plug, lead seal, satin stainless steel round access cover plate secured with countersunk screw. No.58790-15 by Josam or accepted equivalent.

3. Stack Base for Use in Plaster Walls:

- a. Cast iron "T" branch tee coated cast iron countersunk plug, lead seal, cast brass round access cover with anchor lugs, satin stainless steel cover secured with countersunk screw. No.58750-15 by Josam or accepted equivalent.

4. Stack Base for Use in Tile Walls:

- a. Cast iron "T" branch with brass countersunk plug, cast brass square access cover with satin top, anchor lugs, cover plate secured with 4 screws. No.58770-15 by Josam or accepted equivalent.

5. Exterior, Heavy Duty:

- a. Cast iron, inside caulk outlet bronze internal plug, ductile iron scoriated heavy duty cover. No. 56040-15 by Josam or accepted equivalent.

6. Cleanout Sizes:

- a. Full pipe size up through 4 inches, pipe cleanouts with bodies of standard pipe size and caulking ferrules conforming to thickness required for pipe and fittings of same metal.

7. Removable Cleanout Plugs:

- a. Cast bronze with screw threads and recessed bronze socket. No.58540 by Josam or accepted equivalent.

C. Wall Access:

1. Cast bronze, polished chrome plated square frame and cover, 12" X 12" minimum opening or larger, as required. No.58640 by Josam or accepted equivalent.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Provide drains and cleanouts as scheduled on drawings.

B. Cleanouts:

1. Place pipe cleanouts at the foot of each soil and waste stack in sanitary system and place pipe cleanouts in horizontal runs not to exceed 50 foot spacing.
2. Install access covers as specified.

C. Interior Flush Cleanouts:

1. Flush cleanouts with recessed sockets (without access covers) may be used in non-finished areas such as equipment rooms, storage rooms, and the like, if top of hub is installed in level position and top of clean out plug is flush with the concrete floor.

D. Exterior Unfinished Grade Mounted:

1. Cast iron, inside caulk outlet, bronze internal recessed plug mounted flush with grade. Surround cleanout with concrete doughnut.

E. Exterior Finished Grade Mounted:

1. Ductile iron scoriated heavy duty cover, flush with walkway or floor. No.56040-15 by Josam or accepted equivalent.

END OF SECTION