

## **SECTION 22 40 40**

### **CLEANOUTS, FLASHING & SLEEVES**

#### **PART ONE – GENERAL**

##### **1.01 PIPE CLEANOUTS:**

- A. Install cleanouts at the base of each stack, not over 50 feet in horizontal 3" inch lines, at 75 feet in 4-inch lines, at turns greater than 45 degrees, and where shown. This applies outside as well as in the building. Extend outside cleanouts to surface. See detail on drawings for pad. All threaded parts of the assembly shall be metal.
- B. Cleanouts, in general, to be pipe size up to 4 inches; not less than 4 inches for larger pipes. Cleanouts to be heavy brass ferrules and heavy brass plug with raised nut. Except as specified, cleanouts in walls or floors on grade to be extended flush and fitted with heavy polished brass plug with recessed socket. Cleanouts are listed in Schedule on plans. Products shall be by Zurn, Josam, Wade, or Smith.
- C. Cleanouts shall be lead caulked into cast iron soil pipe to provide rigid joints. Extend lead joints past first horizontal fitting. In the event underground piping is specified or value engineering to be PVC, connect to the cast iron with a "double hub" section of pipe with lead and oakum joints. This applies inside as well as outside building. Any "loose" cleanouts or pads shall be reworked. Do not install no-hub band below grade to attach cleanout.
- D. All interior cleanouts shall be provided with "vandal-proof" screws. At completion of project, furnish to Owner one "tool" to operate each size screw on project.

##### **1.02 FLASHING:**

- A. Where pipes pass through Modified Bitumen roof flash as recommended by the manufacturer of the roofing system.
- B. Vent pipes shall extend a minimum of 12" above roof.
- C. Provide support for vent stacks at roof with U bolts and uni-strut or angle installed between roof purlins, truss, or bar joist.

##### **1.03 PIPE SLEEVES AND ESCUTCHEONS:**

- A. Where pipes pass through masonry construction, install sleeves sized to allow 1/2 inch clearance entirely around the passing pipe and insulation. Install sleeves during construction of walls, ceilings, and floors. Extend vertical sleeves a minimum of one inch above finished floor. Install sleeves in a water proof manner. Caulk with packing and waterproof plastic compound. Sleeves in bearing walls and floors shall be made of Schedule 40 steel pipe. Sleeves on other masonry walls shall be made of steel pipe or sections of cast iron pipe. Sleeves shall be flush with each side of masonry wall.
- B. Install chromium plated steel escutcheons where pipes and conduit pass through

finished walls and ceilings. Install chromium plated cast brass escutcheons where pipes and conduits pass through finished floors.

- C. See details for fireproofing of pipes through sleeves in firewalls and floors. Extend insulation on all pipes through fire walls or floors. Contractor shall use a "UL" assembly without substitution. See hourly rating noted on each sheet of plans to identify firewalls.
- D. All copper lines shall be sleeved where they pass through concrete or block.

**END OF SECTION**