

40 05 09 WALL PIPES, FLOOR PIPES & PIPE SLEEVES

Sleeves

1. Specify Schedule 40 steel pipe sleeves at points where pipes pass through masonry, concrete or fire rated assemblies and at mechanical room floor penetrations to stories below.
2. Sleeves shall have an annular fin continuously welded at midpoint where passing through foundation walls.
3. Specify fill for voids around pipes.
4. Caulk between sleeve and pipe in foundation walls and below grade floors with waterproof, fire retardant, non-hardening mastic.
5. Where sleeves pass through walls or floors, provide space for fire stopping. Where pipes/ducts pass through fire rated walls, floors and partitions, maintain fire rating integrity. Ensure there is no contact between copper tube or pipe and ferrous sleeve.

Escutcheons

1. Specify escutcheons on pipes passing through walls, partitions, floors and ceilings in finished areas.
2. Chrome or nickel plated brass or Type 302 stainless steel, 1 piece type with set screws.

40 05 67 SPECIALIZED PRESSURE AND FLOW CONTROL VALVES

Gas services entering a building will have a seismic valve downstream of the gas metre before the main enters the building and any branch supply lines are taken off.

40 12 00 COMPRESSED AIR PROCESS PIPING

Compressed Air

1. Use copper for compressed air piping.

40 73 00 PRESSURE, STRAIN, AND FORCE MEASUREMENT

40 73 13 PRESSURE AND DIFFERENTIAL PRESSURE GAUGES

Pressure Gauges

1. Minimum 85mm (3-1/2" diameter), with isolating cock, Imperial and S.I. units. Selected for normal working pressure is about mid-range.
2. Dwyer magnehelic gauge across each filter bank.