

QC Plumbing-Commercial Plumbing Fixtures Checklist

Section 22.42.00

Commercial Plumbing Fixtures addressing installation, integration, and safe operation of related assemblies and systems for reliable facility performance. Scope emphasizes fixture, piping, testing, fastening, with field verification confirming compliance with performance, safety, and quality standards. Quality assurance, recordkeeping, and corrective actions.

Rough-in dimensions for water closets, urinals, lavatories, and sinks match approved shop drawings and maintain required clearance from walls and partitions (±1/4 in. tolerance). Observations	✓ QC OPN NA
Fixture carriers or floor flanges are securely anchored to structure with specified hardware and provide load capacity equal to or greater than fixture manufacturer's rating. Observations	✓ QC OPN NA
Supply stop valves at each fixture are full-port, lead-free, and installed with stems accessible without removing trim or panels. Observations	✓ QC OPN NA
Trap primer lines are installed, pressurized, and connected to designated floor drains where required by code and drawings. Observations	FTQ ✓ OPN NA
Backflow prevention devices or vacuum breakers integral to flushometers, hose connections, and laboratory faucets are present and oriented per manufacturer instructions. Observations	✓ QC OPN NA
Flushometer water closets and urinals are fitted with pressure-rated valves sized for supply pressure and flow rate specified (e.g., 1.28 gpf or less for WCs, 0.5 gpf or less for urinals). Observations	✓ QC OPN NA
Wax ring or neoprene gasket forms continuous seal between water closet bowl and flange with closet bolts torqued evenly and bolt caps installed. Observations	FTQ QC ✓ NA
Lavatory, sink, and service sink P-traps are metallic, same size as fixture outlet, and aligned to prevent cross-threading or strain on tailpieces. Observations	✓ QC OPN NA
Fixture mounting heights meet ADA and project accessibility requirements (e.g., lavatory rim ≤34 in., urinal rim ≤17 in., flush control ≤44 in.). Observations	✓ QC OPN NA
Silicone or urethane sealant is applied continuously at fixture-to-wall/floor interfaces, matching finish color and leaving no gaps or voids. Observations	✓ QC OPN NA
Drain connections are tightened to manufacturer torque specifications and hydrostatically tested to remain leak-free at minimum 10 ft head for 15 minutes. Observations	FTQ QC ✓ NA
Sensor-operated faucets, flush valves, and soap dispensers are wired or battery-connected, programmed, and cycle-tested a minimum of 10 operations without fault. Observations	✓ QC OPN NA
Fixture materials (china, stainless steel, solid surface) match approved submittals and are free of cracks, glazing defects, or shipping damage prior to installation. Observations	✓ QC OPN NA
Escutcheons are installed at every wall, ceiling, or floor penetration for supply and waste piping, fitting tight to finished surface and allowing for expansion. Observations	✓ QC OPN NA
Insulation on hot-water and ADA trap arms is installed continuously and secured without obstructing access to clean-outs or valves. Observations	FTQ ✓ OPN NA
Commercial disposers or food-service fixtures include listed disconnecting means and are bonded to equipment grounding conductor sized per NEC. Observations	✓ QC OPN NA
Shower assemblies include pressure-balanced mixing valves set to maximum 120 °F outlet temperature and tested under full flow for 1 minute. Observations	✓ QC OPN NA
All installed fixtures receive functional flow and drain test demonstrating full flush/drain within 10 seconds and absence of leaks or hammer. Observations	✓ QC OPN NA