



SECTION 15410-PLUMBING FIXTURES

GENERAL

1.1 SECTION INCLUDES

- A. Toilet and toilet seat.
- B. Lavatories and faucets.
- C. Shower trim and faucets

1.2 RELATED SECTIONS

- A. Section 15145 - Plumbing Piping.
- B. Section 15430 - Plumbing Equipment.
- C. Section 16150 - Wiring Connections: Electric connections to sensor valves and faucets specified by this section.

1.3 REFERENCES

- A. ANSI/ASME A112.18.1 - American National Standard for Plumbing Fixture Fittings; 2000.
- B. ANSI/ASME A112.19.1M - American National Standard for Enameled Cast Iron Plumbing Fixtures; 1999.
- C. ANSI/ASME A112.19.2M - American National Standard for Vitreous China Plumbing Fixtures; 1998.
- D. ANSI/ASME A112.19.6 - American National Standard for Hydraulic Performance of Water Closets and Urinals; 1995.
- E. ANSI Z124.5 - American National Standard for Plastic Toilet (Water Closet) Seats; 1997.
- F. ANSI/ASSE A 1037 - Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures; 1990.
- G. ANSI/ICC A117.1 - Accessible and Usable Buildings and Facilities; 1998.
- H. CAN/CSA B 45 - Plumbing Fixtures; 1999.
- I. IAPMO PS 93 - Water Closet Seats with Spray; 2002.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. [[Product Data](#)]: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Kohler Co, which is located at: 444 Highland Dr. ; Kohler, WI 53044; Toll Free Tel: 800-4-KOHLER; Tel: 920-457-4441; Fax: 920-457-6952; Email: rzimmerman@kohler.com; Web: www.kohler.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 GENERAL REQUIREMENTS

- A. Plumbing Fixtures - General: Provide all fittings and accessories necessary for complete, operational installation; comply with ANSI/ICC A117.1, and CAN/CSA B-45.
 - 1. Vitreous China Fixtures: Comply with ANSI/ASME A112.19.2M.
 - 2. Cast Iron Fixtures: Comply with ANSI/ASME A112.19.1M.

2.3 TOILET AND TOILET SEAT

- A. Wellworth Toilet (Pressure-Lite 1.1): The elongated combination toilet shall be 12" (30.5 cm) rough-in. Toilet shall include a polished chrome trip lever and be less seat and supply. Toilet shall be made of vitreous china and 1.1 gpf (4.2 lpf). Toilet shall be equipped with Sloan Flushmate – Sloan Valve Company. Toilet shall have optional bedpan lugs or tank cover locks and with right or left hand trip lever. Toilet shall have 11-1/2" (29.2 cm) x 9-1/2" (24.1 cm) water area. Toilet shall be Kohler Model K-3531-0
- B. The closed front toilet seat with cover shall be made of solid polypropylene plastic. Toilet seat shall be available with an elongated or round front. Toilet seat shall be Kohler Model K-4664-0.

2.4 LAVATORIES AND FAUCETS

- A. The self-rimming/undercounter lavatory shall be 16-1/2" (41.9 cm) in length, and 15-3/4" (40 cm) in width. Lavatory shall be made of cast iron. Lavatory shall be ADA compliant. Lavatory will not have an overflow. Lavatory shall be Kohler Model K-2827-0
- B. The undercounter kitchen sink shall be 29" (73.7 cm) in length and 14" (35.6 cm) in width. Sink shall be made of 16 gauge stainless steel. Sink shall feature a double (unequal) compartment. Sink shall include cutting board, bottom basin rack, and installation hardware. Sink shall be Kohler Model K-3160.
- C. Two-handle widespread lavatory faucet shall be of brass construction. Faucet shall feature brass valve bodies. Faucet shall feature quarter-turn washerless ceramic disc valves, assuring positive handle stop positioning. Faucet shall be rated at 2.2 gallons (8.3 L) per minute. Faucet shall have lower flow aerator options. Faucet shall include flexible connections, 7-1/4" (18.4 cm) spout, pop-up drain with lift rod and tailpiece, and lever handles. Faucet shall be Kohler Model K-942-4-CP.
- D. Single-control kitchen sink faucet shall be of metal construction. The valve shall be a one-piece, self-contained ceramic disc valve, allowing volume and temperature control. The

valve shall feature temperature memory, allowing the faucet to be turned on and off at any temperature setting. Faucet shall include remote valve, 8" (20.3 cm) multi-swivel swing spout, rotating aerator, lever handle, and ground joint connections. Faucet shall be rated at 2.2 gallons (8.3 L) per minute. Faucet shall have lower flow aerator options. Faucet shall be Kohler Model K-15177-P-CP.

1)

2.5 SHOWER TRIM AND FAUCETS

- A. Rite-Temp pressure-balancing single-control bath and shower faucet trim shall be of brass construction. Bath and shower trim shall include showerhead with arm and flange, 8-3/4" (22.2 cm) non-diverter spout with N.P.T. connection, and faceplate with handle and push-button diverter. Shower only trim shall include showerhead with arm and flange, and faceplate with handle. Valve only trim shall include faceplate with handle. Faucet trim shall be K-T950-4-CP and Rite-Temp valve shall be K-304-KS-NA
- B. The brass showerhead shall have a flow rate of 2.5 gallons (9 L) per minute. Showerhead shall have faceplate with 75 nozzles that prohibit mineral buildup. Showerhead shall have a 1/2"-14 NPT connection. Showerhead shall be Kohler Model K-10121-CP.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify electric power is available and of correct characteristics for specified equipment.
- D. Verify that rough-ins are complete and that water supplies are in correct location.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Rough-in fixture piping connections for specified fixtures.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Make plumbing and electrical connections.
- C. Verify proper operation.
- D. Adjust stops or valves for intended water flow rate to fixtures.

3.4 CLEANING

- A. Clean plumbing fixtures and equipment after installation.

3.5 PROTECTION

- A. Protect installed products until completion of project.

- B. Do not permit use of fixtures before final acceptance.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION