

WEST NAVARRE INTERMEDIATE SCHOOL
5 CLASSROOM ADDITION

SECTION 15421 - COMMERCIAL LAVATORIES

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

- 1. LAVATORIES.**
- 2. FAUCETS.**

1.2 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

1.3 INFORMATIONAL SUBMITTALS

A. COORDINATION DRAWINGS: COUNTER CUTOUT TEMPLATES FOR MOUNTING OF COUNTER-MOUNTED LAVATORIES.

1.4 CLOSEOUT SUBMITTALS

A. OPERATION AND MAINTENANCE DATA: FOR LAVATORIES AND FAUCETS TO INCLUDE IN OPERATION AND MAINTENANCE MANUALS.

PART 2 - PRODUCTS

2.1 VITREOUS-CHINA, WALL-MOUNTED LAVATORIES

A. LAVATORY: VITREOUS CHINA, WALL MOUNTED, WITH BACK.

1. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:

- A. AMERICAN STANDARD AMERICA.**
- B. BRIGGS PLUMBING PRODUCTS, INC.**
- C. CRANE PLUMBING, L.L.C.**
- D. GERBER PLUMBING FIXTURES LLC.**
- E. KOHLER CO.**
- F. PEERLESS POTTERY SALES, INC.**
- G. ZURN INDUSTRIES, LLC; COMMERCIAL BRASS AND FIXTURES.**

2. FIXTURE:

- A. STANDARD: ASME A112.19.2/CSA B45.1.**
- B. TYPE: FOR WALL HANGING.**

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- C. NOMINAL SIZE: OVAL, 20 BY 18 INCHES.
 - D. FAUCET-HOLE PUNCHING: THREE HOLES, 4-INCH CENTERS.
 - E. FAUCET-HOLE LOCATION: TOP.
 - F. COLOR: WHITE.
 - G. MOUNTING MATERIAL: CHAIR CARRIER.
3. SUPPORT: ASME A112.6.1M, TYPE II, CONCEALED-ARM LAVATORY CARRIER.
- 2.2 SOLID-BRASS, MANUALLY OPERATED FAUCETS
- A. NSF STANDARD: COMPLY WITH NSF/ANSI 61, "DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS," FOR FAUCET MATERIALS THAT WILL BE IN CONTACT WITH POTABLE WATER.
 - B. LAVATORY FAUCETS: MANUAL-TYPE, SINGLE-CONTROL MIXING, COMMERCIAL, SOLID-BRASS VALVE.
 - 1. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
 - A. AMERICAN STANDARD AMERICA.
 - B. BRADLEY CORPORATION.
 - C. CHICAGO FAUCETS.
 - D. DELTA FAUCET COMPANY.
 - E. ELKAY MANUFACTURING CO.
 - F. GROHE AMERICA, INC.
 - G. JUST MANUFACTURING.
 - H. KOHLER CO.
 - I. MOEN INCORPORATED.
 - J. SPEAKMAN COMPANY.
 - K. T & S BRASS AND BRONZE WORKS, INC.
 - L. ZURN INDUSTRIES, LLC; COMMERCIAL BRASS AND FIXTURES.
 - 2. STANDARD: ASME A112.18.1/CSA B125.1.
 - 3. GENERAL: INCLUDE HOT- AND COLD-WATER INDICATORS; COORDINATE FAUCET INLETS WITH SUPPLIES AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND FIXTURE RECEPTOR.
 - 4. BODY TYPE: CENTERSET.
 - 5. BODY MATERIAL: COMMERCIAL, SOLID BRASS.
 - 6. FINISH: POLISHED CHROME PLATE.
 - 7. MAXIMUM FLOW RATE: 0.5 GPM.
 - 8. MOUNTING TYPE: DECK, EXPOSED.
 - 9. VALVE HANDLE(S): PUSH BUTTON.
 - 10. SPOUT: RIGID TYPE.
 - 11. SPOUT OUTLET: SPRAY.
 - 12. OPERATION: COMPRESSION, MANUAL.
 - 13. DRAIN: NOT PART OF FAUCET.

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2.3 SUPPLY FITTINGS

- A. NSF STANDARD: COMPLY WITH NSF/ANSI 61, "DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS," FOR SUPPLY-FITTING MATERIALS THAT WILL BE IN CONTACT WITH POTABLE WATER.
- B. STANDARD: ASME A112.18.1/CSA B125.1.
- C. SUPPLY PIPING: CHROME-PLATED-BRASS PIPE OR CHROME-PLATED COPPER TUBE MATCHING WATER-SUPPLY PIPING SIZE. INCLUDE CHROME-PLATED-BRASS OR STAINLESS-STEEL WALL FLANGE.
- D. SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER-TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET CONNECTION MATCHING SUPPLY PIPING.
- E. OPERATION: LOOSE KEY.
- F. RISERS:
 - 1. NPS 3/8.
 - 2. CHROME-PLATED, SOFT-COPPER FLEXIBLE TUBE RISER.

2.4 WASTE FITTINGS

- A. STANDARD: ASME A112.18.2/CSA B125.2.
- B. DRAIN: GRID TYPE WITH NPS 1-1/4 OFFSET AND STRAIGHT TAILPIECE.
- C. TRAP:
 - 1. SIZE: NPS 1-1/2 BY NPS 1-1/4.
 - 2. MATERIAL: CHROME-PLATED, TWO-PIECE, CAST-BRASS TRAP AND SWIVEL ELBOW WITH 0.032-INCH- THICK BRASS TUBE TO WALL; AND CHROME-PLATED, BRASS OR STEEL WALL FLANGE.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. EXAMINE ROUGHING-IN OF WATER SUPPLY AND SANITARY DRAINAGE AND VENT PIPING SYSTEMS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS BEFORE LAVATORY INSTALLATION.
- B. EXAMINE COUNTERS AND WALLS FOR SUITABLE CONDITIONS WHERE LAVATORIES WILL BE INSTALLED.
- C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

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3.2 INSTALLATION

- A. INSTALL LAVATORIES LEVEL AND PLUMB ACCORDING TO ROUGHING-IN DRAWINGS.
- B. INSTALL SUPPORTS, AFFIXED TO BUILDING SUBSTRATE, FOR WALL-MOUNTED LAVATORIES.
- C. INSTALL ACCESSIBLE WALL-MOUNTED LAVATORIES AT HANDICAPPED/ELDERLY MOUNTING HEIGHT FOR PEOPLE WITH DISABILITIES OR THE ELDERLY, ACCORDING TO ICC/ANSI A117.1.
- D. INSTALL WALL FLANGES OR ESCUTCHEONS AT PIPING WALL PENETRATIONS IN EXPOSED, FINISHED LOCATIONS. USE DEEP-PATTERN ESCUTCHEONS IF REQUIRED TO CONCEAL PROTRUDING FITTINGS. COMPLY WITH ESCUTCHEON REQUIREMENTS SPECIFIED IN SECTION 15097 "ESCUTCHEONS FOR PLUMBING PIPING."
- E. SEAL JOINTS BETWEEN LAVATORIES AND COUNTERS AND WALLS USING SANITARY-TYPE, ONE-PART, MILDEW-RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR. COMPLY WITH SEALANT REQUIREMENTS SPECIFIED IN SECTION 07920 "JOINT SEALANTS."
- F. INSTALL PROTECTIVE SHIELDING PIPE COVERS AND ENCLOSURES ON EXPOSED SUPPLIES AND WASTE PIPING OF ACCESSIBLE LAVATORIES. COMPLY WITH REQUIREMENTS IN SECTION 15085 "PLUMBING PIPING INSULATION."

3.3 CONNECTIONS

- A. CONNECT FIXTURES WITH WATER SUPPLIES, STOPS, AND RISERS, AND WITH TRAPS, SOIL, WASTE, AND VENT PIPING. USE SIZE FITTINGS REQUIRED TO MATCH FIXTURES.
- B. COMPLY WITH WATER PIPING REQUIREMENTS SPECIFIED IN SECTION 15140 "DOMESTIC WATER PIPING."
- C. COMPLY WITH SOIL AND WASTE PIPING REQUIREMENTS SPECIFIED IN SECTION 15150 "SANITARY WASTE AND VENT PIPING."

3.4 ADJUSTING

- A. OPERATE AND ADJUST LAVATORIES AND CONTROLS. REPLACE DAMAGED AND MALFUNCTIONING LAVATORIES, FITTINGS, AND CONTROLS.
- B. ADJUST WATER PRESSURE AT FAUCETS TO PRODUCE PROPER FLOW.

3.5 CLEANING AND PROTECTION

- A. AFTER COMPLETING INSTALLATION OF LAVATORIES, INSPECT AND REPAIR DAMAGED FINISHES.
- B. CLEAN LAVATORIES, FAUCETS, AND OTHER FITTINGS WITH MANUFACTURERS' RECOMMENDED CLEANING METHODS AND MATERIALS.
- C. PROVIDE PROTECTIVE COVERING FOR INSTALLED LAVATORIES AND FITTINGS.

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- D. DO NOT ALLOW USE OF LAVATORIES FOR TEMPORARY FACILITIES UNLESS APPROVED
IN WRITING BY OWNER.

END OF SECTION 15421