

**WEST NAVARRE INTERMEDIATE SCHOOL**  
**5 CLASSROOM ADDITION**

**SECTION 15422 - COMMERCIAL SINKS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

**A. SECTION INCLUDES:**

1. UTILITY SINKS.
2. SINK FAUCETS.
3. SUPPLY FITTINGS.
4. WASTE FITTINGS.

**1.2 ACTION SUBMITTALS**

**A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.**

**1.3 CLOSEOUT SUBMITTALS**

**A. MAINTENANCE DATA.**

**PART 2 - PRODUCTS**

**2.1 UTILITY SINKS**

**A. CLASSROOM SINKS & DRINKING FOUNTAIN COMBINATION: STAINLESS STEEL, COUNTER MOUNTED.**

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

- A. ADVANCE TABCO.
- B. EAGLE GROUP; FOODSERVICE EQUIPMENT DIVISION.
- C. ELKAY MANUFACTURING CO.
- D. GRIFFIN PRODUCTS, INC.
- E. JUST MANUFACTURING.

2. FIXTURE:

- A. STANDARD: ASME A112.19.3/CSA B45.4.
- B. TYPE: LEDGE BACK.
- C. NUMBER OF COMPARTMENTS: TWO.
- D. OVERALL DIMENSIONS: 37INCH BY 17 INCH BY .75 INCH
- E. METAL THICKNESS: 0.050 INCH.
- F. ONE COMPARTMENT:

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- 1) DIMENSIONS: 9.5 INCH BY 12.5 INCH.
      - 2) DRAINS: NPS 1-1/2 TAILPIECE WITH STOPPER.
      - 3) DRAIN LOCATION: CENTERED IN COMPARTMENT.
    - G. OTHER COMPARTMENT:
      - 1) DIMENSIONS: 16 INCH BY 11.5 INCH.
      - 2) DRAINS: NPS 1-1/2 TAILPIECE WITH STOPPER.
      - 3) DRAIN LOCATION: CENTERED IN COMPARTMENT.
  3. FAUCET(S): "CLASSROOM SINK FAUCET".
    - A. NUMBER REQUIRED: ONE.
    - B. MOUNTING: ON LEDGE.
  4. BUBBLER(S):
    - A. STANDARD: ASME A112.18.1.
    - B. TYPE: VANDAL RESISTANT, SELF-CLOSING
    - C. MATERIAL: CAST 304 STAINLESS STEEL BODY AND PUSH BUTTON ACTIVATOR.
    - D. NIPPLE: STAINLESS STEEL.
    - E. REGULATOR CARTRIDGE: REPLACEABLE STAINLESS STEEL.
    - F. FLOW REGULATOR: ADJUSTABLE.
    - G. A.D.A. COMPLIANT: YES.
    - H. MOUTH GUARD: FLEXIBLE.
  5. SUPPLY FITTINGS:
    - A. STANDARD: ASME A112.18.1/CSA B125.1.
    - B. SUPPLIES: CHROME-PLATED BRASS COMPRESSION STOP WITH INLET CONNECTION MATCHING WATER-SUPPLY PIPING TYPE AND SIZE.
      - 1) OPERATION: LOOSE KEY.
      - 2) RISERS: NPS 1/2, CHROME-PLATED, RIGID-COPPER PIPE.
  6. WASTE FITTINGS:
    - A. STANDARD: ASME A112.18.2/CSA B125.2.
    - B. TRAP(S):
      - 1) SIZE: NPS 1-1/2
      - 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.
  7. MOUNTING: ON COUNTER WITH SEALANT.
- 2.2 SINK FAUCETS
- A. NSF STANDARD: COMPLY WITH NSF/ANSI 61, "DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS," FOR FAUCET-SPOUT MATERIALS THAT WILL BE IN CONTACT WITH POTABLE WATER.

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**B. CLASSROOM SINK FAUCETS :**

1. COMMERCIAL, SOLID-BRASS FAUCETS:
2. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED ON DRAWINGS OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
  - 1) AMERICAN STANDARD AMERICA.
  - 2) BRADLEY CORPORATION.
  - 3) CHICAGO FAUCETS.
  - 4) DELTA FAUCET COMPANY.
  - 5) ELKAY MANUFACTURING CO.
  - 6) GROHE AMERICA, INC.
  - 7) JUST MANUFACTURING.
  - 8) KOHLER CO.
  - 9) MOEN INCORPORATED.
  - 10) SPEAKMAN COMPANY.
  - 11) T & S BRASS AND BRONZE WORKS, INC.
  - 12) ZURN PLUMBING PRODUCTS GROUP.
3. STANDARD: ASME A112.18.1/CSA B125.1.
4. GENERAL: INCLUDE HOT- AND COLD-WATER INDICATORS; COORDINATE FAUCET INLETS WITH SUPPLIES AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND SINK RECEPTOR.
5. BODY TYPE: SINGLE HOLE.
6. BODY MATERIAL: COMMERCIAL, SOLID BRASS.
7. FINISH: POLISHED CHROME PLATE.
8. MAXIMUM FLOW RATE: 2.2 GPM.
9. HANDLE(S): LEVER.
10. MOUNTING TYPE: DECK, CONCEALED.
11. SPOUT TYPE: RIGID GOOSENECK.
12. SPOUT OUTLET: AERATOR.

**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 1/2

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- 2. CHROME-PLATED, RIGID-COPPER PIPE.

2.4 WASTE FITTINGS

- A. STANDARD: ASME A112.18.2/CSA B125.2.
- B. DRAIN: GRID TYPE WITH NPS 1-1/2 OFFSET AND STRAIGHT TAILPIECE.
- C. TRAP:
  - 1. SIZE: NPS 1-1/2.
  - 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.
  - 3. MATERIAL: STAINLESS-STEEL, TWO-PIECE TRAP AND SWIVEL ELBOW WITH 0.012-INCH- THICK STAINLESS-STEEL TUBE TO WALL; AND STAINLESS-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 SINK INSTALLATION.
- B. EXAMINE WALLS, FLOORS, AND COUNTERS FOR SUITABLE CONDITIONS WHERE SINKS WILL BE INSTALLED.
- C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 INSTALLATION

- A. INSTALL SINKS LEVEL AND PLUMB ACCORDING TO ROUGHING-IN DRAWINGS.
- B. INSTALL SUPPORTS, AFFIXED TO BUILDING SUBSTRATE, FOR WALL-HUNG SINKS.
- C. INSTALL ACCESSIBLE WALL-MOUNTED SINKS AT HANDICAPPED/ELDERLY MOUNTING HEIGHT ACCORDING TO ICC/ANSI A117.1.
- D. SET FLOOR-MOUNTED SINKS IN LEVELING BED OF CEMENT GROUT.
- E. INSTALL WATER-SUPPLY PIPING WITH STOP ON EACH SUPPLY TO EACH SINK FAUCET.
  - 1. EXCEPTION: USE BALL, GATE, OR GLOBE VALVES IF SUPPLY STOPS ARE NOT SPECIFIED WITH SINK. COMPLY WITH VALVE REQUIREMENTS SPECIFIED IN SECTION 15111 "GENERAL-DUTY VALVES FOR PLUMBING PIPING."
  - 2. INSTALL STOPS IN LOCATIONS WHERE THEY CAN BE EASILY REACHED FOR OPERATION.

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- F. 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."
- G. SEAL JOINTS BETWEEN SINKS AND COUNTERS, FLOORS, 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."
- H. INSTALL PROTECTIVE SHIELDING PIPE COVERS AND ENCLOSURES ON EXPOSED SUPPLIES AND WASTE PIPING OF ACCESSIBLE SINKS. COMPLY WITH REQUIREMENTS IN SECTION 15085 "PLUMBING PIPING INSULATION."

**3.3 CONNECTIONS**

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

**3.5 CLEANING AND PROTECTION**

- A. AFTER COMPLETING INSTALLATION OF SINKS, INSPECT AND REPAIR DAMAGED FINISHES.
- B. CLEAN SINKS, FAUCETS, AND OTHER FITTINGS WITH MANUFACTURERS' RECOMMENDED CLEANING METHODS AND MATERIALS.
- C. PROVIDE PROTECTIVE COVERING FOR INSTALLED SINKS AND FITTINGS.
- D. DO NOT ALLOW USE OF SINKS FOR TEMPORARY FACILITIES UNLESS APPROVED IN WRITING BY OWNER.

END OF SECTION 15422