

22 13 00 - FACILITY SANITARY SEWERAGE
22 40 00 - PLUMBING FIXTURES
(STAINLESS STEEL LINEAR SHOWER DRAINAGE SYSTEM)

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Surface drainage, including stainless steel linear shower drains.
- B. Related Sections: Section(s) related to this section include:
 - 1. 03 30 00 - Cast in Place Concrete (creation of box out in the floor slab)
 - 2. 05 53 00 - Metal Gratings
 - 3. 06 10 00 - Rough Carpentry (preparation of wood flooring)
 - 4. 09 30 00 - Tiling (integrating drain into tilework)
 - 5. 10 28 00 - Toilet Bath & Laundry Accessories
 - 6. 22 00 00 – Plumbing (connection to plumbing system)
 - 7. 26 55 29 - Underwater Lighting

1.02 REFERENCES

- A. Uniform Plumbing Code®:
 - 1. Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code® 2011.
- B. American Society of Mechanical Engineers (ASME):
 - 1. ASME A112.6.3-2001.
- C. Canadian Standards Association:
 - 1. CSA B79-08.

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide linear stainless steel shower drain system which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 01 Submittal Procedures Section.
- B. Product Data: Submit product data and installation instructions including manufacturer's product sheet, for specified products.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns and textures.
- D. Quality Assurance Submittals: Submit the following:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 01 Product Requirements Sections.
- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer.

1.07 PROJECT CONDITIONS

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

1.08 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

B. Manufacturer's Warranty:

1. Warranty Period: 12 months commencing on Date of Substantial Completion or 24 months from date of purchase, whichever is sooner.

PART 2 PRODUCTS

2.01 STAINLESS STEEL LINEAR SHOWER DRAIN SYSTEMS

A. Manufacturer: ACO Polymer Products, Inc.

1. Contact: 825 W Beechcraft St, Casa Grande, AZ 85122; Telephone: (888) 490-9552, (520) 421-9988; Fax: (520) 421-9899; E-mail: info@QuARTzbyACO.com; website: www.QuARTzbyACO.com.

B. Proprietary Products/Systems. Stainless Steel Linear Shower Channel Systems, including the following:

QuARTz by ACO Shower Channels:

- a. Material: [Electropolished Stainless Steel Grade 304], [Stainless steel oil-rubbed bronze coated to ANSI/BHMA A156.18-2006 722 Dark oxidized oil-rubbed bronze with protective liquid coat].
- b. Channels: 3.31 inches (84 mm) wide.
- c. Length: [27.55 inches (700mm)], [31.50 inches (800mm)], [35.43 inches (900mm)], [39.37 inches (1000mm)], [47.24 inches (1200mm)], [55.12 inches (1400mm)]
- d. Slope: Neutral.
- e. Edge Detail: [Plain edge], [Flange edge].
- f. Grates: [Wave], [Quadrato], [Flag], [Hawaii], [Mix], [Pixel], [Tile] **Specifier Note:** *Optional water activated LED lights are not compatible with Tile grate.*
- g. Outlet: Central 2 inch (51mm) diameter spigot – 2.59inch (66mm) long.
- h. Accessories: [CPE Membrane connector], [Cast Iron membrane connector], [Stainless steel coupling connector], [Debris strainer].
- i. Optional water activated LED lights: [Red], [Green], [Blue], [Rainbow]

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions and installation section drawings.

3.02 INSTALLATION

- A. Stainless Steel Linear Shower Drain System Installation: Refer to relevant installation section drawing for membrane recommendations.

3.03 CLEANING

- A. Cleaning: Standard household cleaners or soap is all that is required. A soft cloth can be used to dry and buff the surface

3.04 PROTECTION

- A. Protection: Protect installed product and grate surfaces from damage and scratches during subsequent tiling and construction.

END OF SECTION