

SECTION 13411
INSTRUMENT CONSOLES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Instrument consoles.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete.
- B. Section 08342 - Fiberglass Doors and Frames.
- C. Section 11201 - Wash Troughs.
- D. Section 11202 - Effluent (Collection) Troughs (Launders).
- E. Section 11203 - Finger Weir Pans.
- F. Section 11204 - Weir Plates, Scum Baffles, and Brackets.
- G. Section 11205 - Density Current Baffle System.
- H. Section 11206 - Palmer-Bowlus Flumes.
- I. Section 11207 - Parshall Flumes.
- J. Section 11208 - Metering Manholes.
- K. Section 11286 - Slide Gates and Guides.
- L. Section 11305 - Odor Control System.
- M. Section 13122 - Pre-Engineered Fiberglass Buildings.

1.3 REFERENCES

- A. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
- B. ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.

- B. Product Data: Test results of fiberglass reinforced plastic laminate.
- C. Shop Drawings: Show:
 - 1. Critical dimensions, jointing and connections, fasteners and anchors.
 - 2. Materials of construction.
 - 3. Sizes, spacing, and locations of structural members, connections, attachments, openings, fasteners, and loads.
- D. Samples: 8-inch square sample of fiberglass reinforced plastic laminate.
- E. Manufacturer's installation instructions.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products indoors and protect from construction traffic and damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Provide products manufactured by Warminster Fiberglass Company;
- B. Requests for substitution will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 INSTRUMENT CONSOLES

- A. Fiberglass Material:
 - 1. Tensile strength (ASTM D 638): 9,000 psi.
 - 2. Flexural strength (ASTM D 790): 15,000 psi.
 - 3. Flexural modulus (ASTM D 790): 900,000 psi.
- B. Construction: Totally enclosed molded fiberglass reinforced plastic instrument panels.
 - 1. One-piece molded construction. No metal strips required to form mechanical joints.
 - 2. Smooth gloss, gel-coated outside surfaces; no exposed glass fibers.
 - 3. 1/2 inch radius rounded corners; cutout edges sanded and smooth.
 - 4. Recessed, lift-off access doors with Southco Type 44 latches.
 - 5. Nominal wall thickness, instrument mounting surface: 1/4 inch.
 - 6. Nominal wall thickness, elsewhere: 1/8 inch.
 - 7. Access doors: Front and rear.

8. Open bottom construction; 2-1/2 inch mounting flange and factory drilled anchor holes.
9. Color: Beige.
10. Color: _____.
11. Table-top type, 36 inches wide: Model WFC1010BB.
12. Table-top type, 48 inches wide: Model WFC1015BB.
13. Table-top type, 66 inches wide: Model WFC1020BB.
14. Low breakfront type, 36 inches wide: Model WFC1010CB.
15. Low breakfront type, 48 inches wide: Model WFC1015CB.
16. Low breakfront type, 66 inches wide: Model WFC1020CB.
17. High breakfront type, 36 inches wide: Model WFC1010DB.
18. High breakfront type, 48 inches wide: Model WFC1015DB.
19. High breakfront type, 66 inches wide: WFC1020DB.
20. Surface finish: Matte.
21. Surface finish: Satin.
22. Gasket on door.
23. Galvanized power struts.
24. Fiberglass power struts.
25. Instrument cut-outs.
26. 1/4 inch thick fiberglass sub-panel, mounted on power struts.
27. 1/8 inch thick steel sub-panel, mounted on power struts.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that dimensions are correct and project conditions are suitable for installation. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Ensure that products are installed plumb and true, free of warp or twist, within tolerances specified by the manufacturer and as indicated in the contract documents.
- C. Anchor consoles to floor with expansion anchors.

3.3 ADJUST AND CLEAN

- A. Clean surfaces in accordance with manufacturer's instructions.

- B. Remove trash and debris, and leave the site in a clean condition.

END OF SECTION

Contact Plastic Engineered Products
1-800-407-3726