

**SECTION 10 70 00
STEEL SHADE STRUCTURE**

PART 1 – GENERAL

1.01 SUMMARY

- A. Section Includes: Steel Shade Structure
- B. Related Requirements: Division 1 – General Requirements
- C. Section 03 30 00 - Cast-in-Place Concrete, Control Joints and Reinforcing: Bollard infill and underground encasement.
- D. Section 31 22 00- Earth Moving Excavation, Filling and Grading
- E. Section 32 13 13- Concrete Paving

1.02 REFERENCES

- A. Not Used

1.03 SUBMITTALS

- A. See Section 01 33 00 – Submittals procedures, for submittal procedures.
- B. Shop Drawings: Indicate size, material and finish. Include plan elevation pages to clearly outline steel shade structure locations. Include installation procedures, details of joints, attachments and clearances. Provide lead time for product and note possible conflicts with standard line.
- C. Submit within 30 days after contract award.

PART 2 – PRODUCTS

2.01 APPROVED MANUFACTURERS

- A. The steel shade structure may be fabricated by Poligon, Inc., 4240 136th Avenue, Holland MI 49424. Install as per the Manufacturer's instructions and specifications. Local Representative: Raymond Michael LTD, 439 North Terrace Avenue, Mount Vernon, NY 10552, phone 855.301.7329, email-ray.rmltd@verizon.net
- B. The steel shade structure may be fabricated by Coverworx Recreational Architecture, 11800 East 9 Mile Road, Warren, MI. Install as per the Manufacturer's instructions and specifications. Local Representative: Kristine Fitzpatrick, American Recreational Products, 144-1 Remington Blvd., Ronkonkoma, NY 11779
- C. Substitutions are acceptable assuming they comply with the Manufacturer's specifications, are submitted based on Section 01 25 00– Substitution Procedures.

2.02 MATERIALS

- A. All steel components shall be as per the Manufacturer's specifications. The Steel Shade Structure shall be Model # TBD and Color TBD, dimensions TBD.
- B. All wood components (as required) shall be as per the Manufacturer's specifications.
- C. Anchor bolts shall be the proper size and shall be installed at the proper minimum embedment level.

PART 3 – EXECUTION

3.01 FABRICATION

- A. As per Manufacturers recommendations, details and specifications.
- B. Fabricate and preassemble steel shade structure in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

3.02 INSTALLATION

- A. Install Steel Shade Structure per manufacturer's written instructions and as indicated on drawings.
- B. Locate and place unit level, plumb and at indicated alignment with adjacent work
- C. All steel components shall be formed into the shapes shown on the Drawings. All joints shall be fully welded with welds of the proper size and shape. All welds shall be ground smooth to a neat finish. Shade structure columns shall be installed in the proper concrete footings and as described by the Manufacturer/Installer. All columns shall be truly vertical.
- D. Repair damaged finishes so no evidence remains of corrective work. Return items to the factory that cannot be refinished in the field. Make required alterations and refinish entire unit or provide new units.
- E. All chips, scrapes and blemishes on the shade structure shall be touched up with the approved paint. No paint shall be applied during damp weather or when the temperature is below freezing. During painting, all concrete work, paving, etc. shall be fully protected from stains. Any paint spots that may occur shall be removed immediately with an approved paint or stain remover.

END OF SECTION 10 70 00