



SECTION 10 82 00

GRILLS AND SCREENS – LIVING SCREEN TREILLAGE SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES

- 1 Trellis
- 2 Fence and Gates
- 3 Exterior/Interior Landscape Panels.

1.2 RELATED SECTIONS

- 1 Section 03 30 00 - Cast-in-Place Concrete.
- 2 Section 10 22 13 – Wire Partitions.
- 3 Section 32 31 __ - Fence and Gates
- 4 Section 32 35 00 – Screening Devices
- 5 Section 32 93 00 – Plants

1.3 SUBMITTALS

- 1 Submit under provisions of Section 01 33 00.
- 2 Shop Drawings: Submit drawings indicating the following:
 1. Wire series and pattern name.
 2. Panel sizes.
 3. Panel thickness.
 4. Attachment bracket details.
- 3 Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
- 4 Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.4 QUALITY ASSURANCE

- 1 Manufacturer Qualifications: Firm with domestic design, manufacturing and delivery capacity required for project. Shall have successfully completed projects within the past 3 years of similar size, complexity, and utilizing similar systems.
- 2 Installer Qualifications: Experienced in performing work of this section that has specialized in installation of work similar to that required for this project.

****NOTE TO SPECIFIER**** Use this paragraph only if installation is to be part of a single source requirement for the project. Installation by others with material

supplied by TWG.

- 3 Mock-Up: **(If Required)** Provide a mock-up for evaluation of preparation techniques and installation workmanship.
 1. Locate in areas designated by Architect.
 2. Size: Minimum of _ LF.
 3. Do not proceed with remaining work until materials and workmanship is approved by Architect.
 4. Rework mock-up as required to produce acceptable work.
 5. Retain mock-up during construction as quality standard.
 6. Remove and legally dispose of mock-up when no longer needed.
 7. Incorporation: Incorporate mock-up into final construction.
- 4 Preinstallation Meetings: **(If Required)** Conduct meeting including Contractor, Architect, manufacturer, installer and other subcontractors whose work involves metal grille and screen systems to verify project requirements, framing and support conditions, mounting surfaces and manufacturer's installation requirements.
- 5 Manufacturer's Representative: **(If Required)** Manufacturer to provide on-site assistance during mock-up installation as well as initial stage of project installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- 1 Store products in manufacturer's unopened packaging until ready for installation.
- 2 Store products wrapped or otherwise protected and under clean and dry storage conditions until required for installation.

1.6 COORDINATION

- 1 Coordinate fabrication of metal mesh with fabrication of work on or in which the panels will be installed.
- 2 Providing final size measurements to manufacturer in time to avoid delay in the construction schedule.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- 1 Acceptable Manufacturer: The Western Group (TWG), Living Screen which is manufactured at: 18623 89th Place South ; Kent, WA 98031; Toll Free Tel: 866-283-4594; Tel: 425-656-8111; Fax: 425-656-9090; Email: [request info](mailto:requestinfo@twg.com); Web: www.architecturalwire.com
- 2 Substitutions: Not permitted.
- 3 Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- 1 Living Screen Panel Pattern:
 - a. Material: (Select from Finishes Below)
 - b. Width and Length: W x L or (Refer to drawings).
 - c. Grid Type:
 - d. Truss size:
 - e. Wire Gauge: ga.

- B. Finishes:
1. Steel:
 - a. Mill.
 - b. Primer.
 - c. Powder Coated Finish.
 - d. Paint:
 - 1) Refer to drawings for finish color.
 2. Galvanized Steel:
 - a. Mill.
 - b. Primer over Galvanizing.
 - c. Powder Coated Finish.
 - d. Paint:
 - 1) Refer to drawings for finish color.
 3. Stainless Steel, Type 304:
 - a. Mill.
 - b. Satin polish.
 - c. Mirror polish.
 - d. Powder Coated Finish.
 - e. Paint:
 - 1) Refer to drawings for finish color.

2.3 FABRICATION

- A. Fabricate Living Screen panels in accordance with approved shop drawings.
- B. Fabricate compatible attachment system to satisfy structural and performance requirements.

2.3 ATTACHMENT SYSTEMS

A ANCHOR CLIPS

- 1 Attachment System: Custom system as indicated on the Drawing.
- 2 Attachment System: TWG standard attachment system as indicated on Drawing.

B TRIM

1. Fabricate from ___ - gage (Finish) steel.
2. TYPES
 - A. Channel Trim: Thickness of Panel x ½" legs.
 - B. Angle Trim: ___ leg x thickness of panel x ___ leg.
3. LOCATIONS
 - A. Top of Treillage (where Exposed to Pedestrians): [[Angle] [Channel] type.] [None]
 - B. Side of Treillage (where Exposed to Pedestrians): [[Angle] [Channel] type.] [None.]
 - C. Bottom of Treillage (where Exposed to Pedestrians): [[Angle] [Channel] type.] [None.]

PART 3 EXECUTION

1.2 EXAMINATION

- A. Do not begin installation until openings and substrates have been properly prepared to receive the products of this section.
- B. Verify dimensions, tolerances, and method of attachment with other work on-site.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

1.3 PREPARATION

- A. Clean surfaces thoroughly prior to installation.

1.4 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Provide suitable means of anchorage acceptable to manufacturer such as dowels, anchor clips, bar anchors, expansion bolts and shields, and toggles.
- C. Anchor supports securely with allowance for necessary thermal movement and structural support.
- D. Erect metalwork square, plumb, straight, and true, accurately fitted, with tight joints and intersections.
- E. Do not install component parts that are observed to be defective, including warped, bowed, dented, abraded and broken members.
- F. Do not cut, trim, weld or braze component parts during erection in manner that would damage finish, decrease strength, or result in visual imperfection or failure in performance. Return component parts that require alteration to shop for refabrication, if possible, or for replacement with new parts.
- G. Separate dissimilar metals and use gasketed fasteners, isolation shim, or isolation tape to eliminate possibility of corrosive or electrolytic action between metals.

1.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

1.6 SCHEDULES

- A. Schedule:

END OF SECTION

****NOTE TO SPECIFIER** Remove any sections not applicable to the project. If additional information is required to complete the specification please contact your TWG representative for assistance.**