

**PART 1 GENERAL**

## 1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

## 1.2 RELATED WORK SPECIFIED ELSEWHERE

- |    |                                   |               |
|----|-----------------------------------|---------------|
| .1 | Precast Concrete Planks           | Section 03400 |
| .2 | Unit Masonry                      | Section 04200 |
| .3 | Gypsum Board Systems              | Section 09250 |
| .4 | Painting ( Steel Support Angles ) | Section 09900 |
| .5 | Mechanical                        | Division 15   |
| .6 | Electrical                        | Division 16   |

## 1.3 SCOPE OF WORK INCLUDED

- .1 Supply and install Angle Supported Mesh Ceiling composed of structural angles and plates anchored to walls or bulkhead inserted with mesh panels to form an open, floating, modular ceiling grid ( Steel angles and circular plates painted by Section 09900 )
- .2 System is to be capable of supporting Electrical Fixtures.

## 1.4 SUBMITTALS

- .1 Submit shop drawings in accordance with Section 01340.
- .2 Submit shop drawings showing all components of the metal ceilings in as large a scale as practical, and showing the construction, methods of joining, fastening to framing, sleeving as well as the type of metal, gauges and finishes and all other pertinent data. Review Electrical and Mechanical Sections and coordinate work of this section with this work.
- .3 Submit two samples of material for their respective finish for approval by the Architect. Furnish accurate physical samples of members, joints between similar sections and joints between standard grid member and infill basket panels. Sample shall show the attachment of support framing.

- .4 Submit samples of mesh and suspension system members for approval prior to use.
- .5 Since ceiling is to support light fixtures, shop drawings shall bear the seal of a Professional Engineer stating that the ceiling system is capable of safely supporting the lights in compliance with all applicable Codes.

#### 1.5 PRODUCT HANDLING AND STORAGE

- .1 Handle and store materials to prevent damage to materials and the structure.
- .2 Ship metal members and mesh in rigid crates to avoid damage. Bent or deformed material will be rejected.
- .3 Suitably protect metal members against damage.

### **PART 2 PRODUCTS**

#### 2.1 MANUFACTURER

- .1 Mesh only by CEEDA or approved equal

#### 2.2 MATERIALS

- .1 **Support Angles** : Standard 2" wide, 2" high x 1/4", limited to 84" lengths, painted by Section 09900. End plates - 6"dia. x 1/4" thickness - predrilled + countersunk
- .2 **Basket Infill Panels** : Wire basket tray ( bent on length only to create cookie pan with gravity lip for insertion into angle supports ) consisting of 1/8" dia. rods welded at 1" centres in two directions fabricated from steel and prefinished white in the manufacturer's standard colours.

### **PART 3 EXECUTION**

#### 3.1 FABRICATION

- .1 Accurately weld and grind joints, corners and mitres, fit and rigidly frame together. Carefully match components to produce perfect continuity to the exposed faces.

- .2 Finish mesh in the plant. Fabricate units to conform to approved shop drawing layout.

### 3.3 EXAMINATION

- .1 Take field dimensions of Work upon which Work of this Section depends before fabrication. Field adaptation of Work fabricated in error or without field check will not be allowed without Consultant's approval.

### 3.3 INSTALLATION

- .1 Cooperate as required in the installation of mechanical and electrical items in ceiling, making adjustments where required to ensure that the lighting fixtures and air handling devices correctly fit above the ceiling.
- .2 Suspension system shall include anchors and attachments to structure above. Supply hangers or inserts for installation in ample time and with clear instructions for proper placement.
- .3 Dimensional tolerances in the building frame shall be co-ordinated and confirmed prior to the commencement of the work.
- .4 Design and space hangers and carrying channels to adequately support the entire ceiling system, including mech. and elec. fixtures in conjunction with ceiling.
- .5 Install ceilings level to within 1/8" in 8'. Perform levelling with the supporting hangers taut to prevent any subsequent downward movement of the carrying channels when the ceiling loads are imposed.
- .6 Co-ordinate ceiling grid with mechanical and electrical contractor for installation of equipment and lights into ceiling.
- .7 Provide basket infill panels set into angle support.

END OF SECTION