

## **AMERICAN DECORATIVE CEILINGS**

4158 E. 71st St.  
Cleveland, OH 44105  
Telephone: 216-341-2222  
Fax: 216-341-8501

### **OPEN BEAM**

#### **Introduction**

**OPEN BEAM** is a dramatic ceiling system that creates intimacy of scale in large spaces. **OPEN BEAM** is practical, attractive, and 100% accessible. **OPEN BEAM** is readily interfaced with either existing or new ceiling utilities.

#### **SPECIFICATION**

**PART 1 - GENERAL** (See typical "General" section of "Typical Specification")

#### **PART 2 - PRODUCTS**

##### **2.01 Manufacturer**

A. Provide Open Beam ceiling model number OB?? /??-F?? (insert appropriate beam section and module spacing (from 2.02A below) (insert color number at last two ?'s per section 2.02 below) as manufactured by American Decorative Ceilings, Inc.; 4158 E. 71st St. Cleveland, Ohio 44105; (216) 341-2222.

##### **2.02 Materials**

- A. System: Provide Open Beam ceiling system consisting of a beam section (1" x 1"), (1" x 2"), (1" x 4"), (1" x 5"), (2" x 2"), (2" x 4"), or (3" x 3") \_\_\_\_\_" wide by \_\_\_\_\_" deep. Beam module should be (12"), (16"), (18"), (24"), (30"), (36"), or (48") \_\_\_\_\_" on centers. Beam members shall be Channel-formed as specified and have a minimum of 1/4" returned edges on the top lips of section for added strength and stability.
- B. Main Beams 12' in length (depending upon module size specified) shall be notched with center spacings to accommodate specified module size. Typical main beam spacing shall be 48" on centers depending upon module size.
- C. Main beam splice/hanger shall be installed at the insertion of all abutting mains. Additional main beam splice/hangers shall be installed along the main member at remaining slot locations at a spacing not to exceed 48" o.c.
- D. Cross beams shall be in appropriate lengths and notched to accommodate specified module size as indicated on installation drawings. To be installed perpendicular to main beams at all notched locations.
- E. Filler beams shall be in module length and installed parallel to main beams and engaged into notches of cross beams.

- F. Floating Perimeter Treatment: shall consist of “perimeter main beams” with exposed notches on one side only, and 1 module main beam/cross beams to allow concealed integration of system installation. Provide premanufactured outside 90 degree corner kits. For installations requiring floating perimeters at 45 degrees to module interfacing, provide 2 piece closure molding per installation drawings.
- G. Wall Perimeter: shall consist of P-molding with matching face and depth dimensions of Open Beam section. P-molding to have a minimum top lip returned flange of 1/2" for added strength and stability.
- H. Finish to be (white (F41)), (black (F42)), (custom color (F47)), (polished silver (F03)), or (polished gold (F07)) (strike out all non-applicable finishes).

### **2.03 Fabrication**

- A. Beams: Fabricate and form beam members from galvanized steel to provide positive locking at all intersections without the use of additional fasteners or clips. Factory finished to match sample.
- B. Support system: Formed and fabricated for mechanical inter-connection with adjoining section and prepunched holes for direct insertion of hanging wires at any notched location along Main Beams.
- C. Accessory Items: Independently suspend all mechanical air distribution devices and all electrical lighting fixtures.

**PART 3 - EXECUTION** (See typical “Execution” section of “Typical Specification”)

## **OPEN CELL**

### **Introduction**

**OPEN CELL** is a subtle, distinctive, monolithic ceiling system. Its cellular design is ideal for concealing visual clutter above. **OPEN CELL** is 100% accessible by removing any panel(s) for entry into the ceiling plenum.

### **Technical**

#### **CELL SIZES:**

3", 3.4", 4", 4.8", 6", 6.8", 8", 12" and 24"

#### **MODULE & PANEL SIZES:**

3" (OC230), 3.4" (OC234), 4" (OC240), 4.8" (OC248), 6" (OC260), 8" (OC280); all of the preceding are 2' x 4' panels. 6.8" (OC268) and 12" (OC2120) are 4' x 4' panels. 24" (OC224) is a 2' x 2' panel.

#### **FINISHES:**

Standard are polyester roll coated.

Custom are polyurethane epoxy.

Mirrored are polished brite.

**PLENUM:**

8" recommended

**FIRE CODE:**

Non-combustible

**MATERIAL:**

0.020" thick aluminum

**SPECIFICATION**

**PART 1 - GENERAL** (See typical "General" section of "Typical Specification")

**PART 2 - PRODUCTS**

**2.01 Manufacturer**

- A. Provide Open Cell Metal Ceiling model number OC2??-2448-F?? (insert cell size at first two ?'s, see Module & Panel sizes) (insert color at last two ?'s per section 2.02 F below) as manufactured by American Decorative Ceilings, Inc.; 4158 E. 71st St.; Cleveland, Ohio 44105; Telephone number (216) 341-2222.
- B. Main Runners are 8' in length notched with center spacings to accommodate the specified louver. Main Runners shall have factory attached integral splice for alignment with adjoining mains. Material thickness, depth and face width to be identical to that of U-formed louver blades.
- C. Spacer Tabs 4' in length shall be free of intermediate notching, and have an end configuration allowing for easy insertion into any slot location along 8' Main Runner. Material thickness, depth, and face width to be identical to that of U-formed louver blades.
- D. Edge Cap 10' (or 12') in length to be 2-1/8" deep with a 3/8" face. The top formed lip to have an inside angle of less than 90 degrees so as to allow "snap-on" installation and adequate friction or remaining in place. Edge Cap shall have same finish as specified louver.
- E. Wall Molding 10' in length to be 2" deep with a 1" face. Molding shall have same finish as specified louver.
- F. Finish to be (white (F41)), (black (F42)), (custom color (F47)), (brite silver (F28)), or (brite gold (F27)) (strike out all non-applicable finishes).

**2.03 Fabrication**

- A. Louvers: Intersection of blades notched to provide positive locking of intersection of assembled blades. Factory finished to match sample.
- B. Support system: Formed and fabricated for mechanical inter-connection with adjoining section and prepunched holes for fish hook insertion at any notched location along Main Runner.
- C. Accessory Items: Independently suspend all mechanical air distribution devices and all

electrical lighting fixtures.

**PART 3 - EXECUTION** (See typical "Execution" section of "Typical Specification")

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