

SECTION 064020

SECTION 064020 - INTERIOR ARCHITECTURAL WOOD PANELING

PART 1 GENERAL

1.1 SUMMARY

- A. Concealed Star Hanger System, 510 Ceiling Clip and 511 Ceiling Bars

1.2 RELATED SECTIONS

- A. Section 06400 – Architectural Woodwork: Architectural paneling.
- B. Division 06 Section “Miscellaneous Rough Carpentry” for wood furring, blocking, shim, and hanging strips required for installing paneling and that are concealed within other construction before paneling installation.
- C. Section 09260 - Gypsum Board Assemblies.

1.3 DEFINITIONS

- A. Ceiling Paneling includes wood furring, steel studs, blocking, and shims, or any other structural material used to attach to the Ceiling Clip and or the wood paneling.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's data, read and incorporate the following information into shop drawings. Downloads available at: <https://www.starhanger.com>
 1. Product specifications
 2. Installation Instructions
 3. Downloadable CAD Drawing

B. Shop Drawings:

- Show location of paneling, large-scale details, attachment devices, and other components. Include a dimensioned reflected ceiling plan.
 1. Show details in full size.
 2. Show locations and sizes of furring and blocking, including concealed blocking and attachment methods to structure specified in other sections.
 3. Show ceiling opening requiring field cuts out and clip & lock movement required

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Aluminum Clips & Bars require no special storage or handling

1.6 PROJECT CONDITIONS

- A. Wood panels must be installed in an interior climate-controlled environment.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: Installer must have 5 years' experience with similar installations.
- B. Preinstallation Conference:
Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination"

1.8 WARRANTY

A. Star Hanger Systems Lifetime Limited Warranty

Found at: www.starhanger.com > Technical > Standard Warranty

1.9 MAINTENANCE

510 Ceiling Clip and 511 Ceiling Bars do not require any maintenance.

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Star Hanger Systems, Web. www.starhanger.com. Email Phone 803-250-9608
Address: 1717 Peebles Street, Columbia, 29205

B. Substitutions: Must be submitted prior to ceiling framing.

2.2 Hardware System

A. 510 Ceiling Clip Pair, Option A

510 Ceiling Clips are designed to mount overhead panels to ceiling furring. These 510 Ceiling Clips are a pair of hidden ceiling panel clips that lock together both side to side and front to back and still allow panels to remain removable.

This fastener allows panels to be lifted and dropped into place, securely hanging panels from any wood furring that will hold screws. Once in place the panels can be removed, but only with coordinated lifting on all edges (1/16" ceiling clearance). The 510 Ceiling Clip has a Z-hook shape, with a 1/8" overlapping edge and end stops that prevent one clip slipping off each other. The clips have 3 holes for secure mounting and are rated up to 25 lbs.

Ceiling Clips we use 3 each, 3/4" - 8 Pan Head wood screws in each clip.

B. 511 Ceiling Clip Bars and Single Clips, Option B

511 Ceiling Clip Bars are designed to mount overhead panels to ceiling furring or directly to steel studs. The 511 Ceiling Clip Bars have the same profile as the 510 Ceiling Clip Pairs. The 511 Ceiling Clip 12 FT. Bars can span distances of up to a maximum of 24" and are used to hang large ceiling panels across short spans (Studs), unlevel surfaces and existing drywall. This fastener allows panels to be lifted and dropped into place, securely hanging panels from any wood furring that will hold screws. Once in place, the panels can be removed, but only with coordinated lifting on all edges (clips have 1/16" vertical clearance). The 511 Ceiling Clip Bar has a Z-Hook shape with a 1/8" overlapping edge. This prevents one clip slipping off the other. The clips are rated to 25 lb. each.

Ceiling Bars must be carefully attached to the steel studs or furring. Use 3 each, 1" - #10 Pan Head wood screws for each clip, with in 4" of each clip. Do not mount single clips to an unsupported bar.

C. Material

Extruded 6063-T5 aluminum in accordance to ASTM B 221; mill finish

2.3 FABRICATION

A. Complete fabrication to maximum extent possible before shipment to project.
.....Where necessary for fitting at site, provide ample allowance for scribing, trimming and
.....fitting.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until the strength of the supporting structure has been verified.
- B. Verify that substrate is plumb and rigidly secured to substrate; make any adjustments required.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- D. Test your attachment method each clip on the ceiling and panel attachment should be able to support 160 pounds or more.
- E. Before installation, condition ornamental woodwork to average prevailing humidity conditions in installation areas.

3.2 INSTALLATION

- A. Install 510 Ceiling Clips on panel with a minimum of 3 each # 8 - 3/4" Pan Head Screws, zinc plated, predrilled and flush with the fastener surface. Do not over tighten.
- B. Install 510 Ceiling Clips on furring with minimum of 3 each # 8 - 3/4" Pan Head Screws, zinc plated, predrilled and flush with the fastener surface. Do not over tighten.
- C. Install 511 Ceiling Clip Bars on furring or steel studs with minimum of 3 each # 10 - 1" zinc plated self-tapping screws, protrude though the steel studs by 1/2".
- D. Carefully cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. General: Install products level and plumb, in full compliance with manufacturer's installation instructions.

3.5 ADJUSTING AND CLEANING

Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION 064020