Wood Ceiling & Wall - Baffles & Beams Manufacturer: Maxxit [www.maxxitgroup.com](http://www.maxxitgroup.com)  Product Name: Tignum

Project: < Name >

Section 09 54 26 – Specialty Wood Ceilings

**Part 1 General**

* 1. **Summary**

1. Section includes:
2. Suspension system for wood ceilings
3. Wood ceiling system
   1. **Related work in other sections:**

A. Division 1 – “General Conditions” for substitution requests, submittals, etc.

B. Division 9 – “Acoustic Ceilings.”

C. Division 13 – “Integrated Assemblies.”

D. Division 15 – “Mechanical” for work to be coordinated with ceiling.

E. Division 16 – “Electrical” for light fixture coordination.

* 1. **References**

A. ASTM A641: Standard Specification for Zinc Coated (Galvanized) Carbon Steel Wire, 1992.

B. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method: 1990.

C. ASTM C635: Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings

D. ASTM C636: Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.

E. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials; 1991.

F. ASTM E580: Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint; 1991.

G. ASTM E795 – Practice for Mounting Test Specimens During Sound Absorption Tests

H. CAN/ULC-S102 – Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

I. AWI: Architectural Woodwork Quality Standards

J. CISCA: Ceiling Systems Handbook

K. CISCA: Wood Ceilings Technical Guidelines

* 1. **Quality Assurance**

1. Manufacturer Qualifications: Manufacturers other than those listed are required to submit for approval prior to bidding per Section One.
2. Installer Qualifications: Engage an experienced Installer, approved by wood ceiling manufacturer, who has completed panel ceilings similar in species, design, and extent to that indicated for this Project and with a record of successful in-service performance.
3. Inspection: All work must pass inspection and approval of architect, as well as the local codes and regulations or authorities having jurisdiction.
4. Single-Source Responsibility for Wood Ceiling System: Obtain each type of wood ceiling components from a single fabricator, with in-house shop drawing capabilities, in-house assembly and finishing capabilities, and with resources to provide products of consistent quality in appearance and physical properties without delaying the project.
5. Single-Source Responsibility for Suspension System: Obtain each type of suspension system from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying project.
6. Pre-Installation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings."
   1. **Submittals**
7. Product Data: Submit manufacturer’s technical data for products specified.
8. Submittal Samples: Submit representative samples of each material that is to be exposed in the finished work, showing the full range of color and finish variations. Sample size:
   1. 12” x 8” samples of each natural veneer or color matched veneer.
   2. **Shop drawings**
9. Shop Drawings: Submit shop drawings, RCP’s and perimeter conditions for all ceilings. Coordinate ceiling layout and installation with ceilings integrations including lighting, HVAC, fire-suppression, and all perimeter conditions.
   1. **Project Conditions**
10. Baffles can be installed in temperatures between 50°F (10°C) and 86°F (30°C). Baffles not to be used in exterior applications or high moisture environments where water comes in direct contact with the baffle.
11. Install only after spaces are enclosed and weather-tight, and after all wet work and overhead work have been completed. Relative humidity shall not fall below 25% or exceed 55%.
    1. **Delivery Storage & Handling**
12. Do not store or install near an exposed flame, source of heat, or source of ignition.
13. Store horizontally in the original, unopened carton in a dry enclosed interior space for at least 72 hours before installation. Clean gloves must be used to avoid fingerprints. It is recommended that two people install each 8’ baffle.
    1. **Extra Materials**: Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
14. Wood ceiling baffles: Furnish full-size units equal to 2.0 percent of amount installed.
15. Suspension system components: Furnish quantity equal to 2.0 percent of amount installed.

**1.95 Warranty**: Provide owner with a (1) year warranty for material and workmanship on all installed products.

1. Manufacturers: All materials, wood ceiling shall be warranted for (1) one year limited, from date of installation.

**Part 2 – Products**

**2.1 Wood baffle & beam ceiling**

1. Basis of design; Manufacturer – Maxxit ([maxxitgroup.com](file:///C:\Users\ChrisBourqueMaxxitSy\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\TZXX57FC\maxxitgroup.com)) Product – Tignum Wood Baffle / Beam. Substitutions require prior approval by the architect.

**2.2 Wood baffle and beam ceilings and walls**

Basis of design Tignum baffles and beams

1. Wood Baffles: MDF inner frame with wood veneer

1. Species: <Species>
2. Baffle/beam size: <Width x height x length>
3. Suspension method: <T Bar, Unistrut, Direct Wire>
4. Fire Rating: <Fire Rating Class, Method>
5. Finish: <Finish>
6. FSC < yes/no>
7. Acoustic <yes/no>

**2.3 Suspension systems** – provide standard ceilings suspension systems and mfg. supplied fasteners.

1. Complies with applicable codes <Seismic, fire, other>
2. Tignum baffle - suspension < 15/16” HD Grid, 1.5” Unistrut, Wire Hung>
3. Attachment hardware mfg. supplied < Baffle (T Bar, Unistrut, Wire)

**Part 3 - Execution**

3.1 EXAMINATION

1. General: Examine substrates and building conditions with installer present that affect ceiling installation before installation begins. Do not proceed with installation until unsatisfactory conditions have been corrected.
2. Ensure that site readiness and environmental conditions are satisfactory prior to installation.

3.2 INSTALLATION

1. Install Tignum beams and baffles in compliance with:
2. CISCA recommendations.
3. Maxxit written installation instructions.
4. Local building codes and requirements.
5. Approved shop drawings.

3.4 CLEANING

A. Comply with manufacturer's instructions for cleaning and touchups.

**End of section**