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I. Description of Components

A. **Hangers:**

Uses #12 – gauge hanging wire (supplied by the installer).

B. **Suspension System:**

Use 12' long Suspension Rail supplied by Geometrik. Installer shall provide and install standard Metal Cross-tees, Wall Angle or Shadow Moldings of types, structural classifications, and black finishes indicated and that comply with applicable ASTM 635 requirements, seismic codes and ordinances

C. **Connection Hardware:**

Geometrik GeoLinear suspension clips are supplied by Geometrik on the Geometrik Suspension Rail.

D. **GeoLinear Wood Planks:**

Made from premium grade natural hardwood or softwoods (as specified for the project), or veneers on a pressed wood substrate core. The blades are finished to customer requirements. Black Fiber Felt Spacer is factory attached to every blade. Wood Planks are progressively installed using Geometrik Installation. Perfect alignment between adjacent blades is achieved by means of spline joinery.

E. **Perimeter Trims:**

Perimeter Trims, if required, are typically supplied by the manufacturer. Standard and custom sizes and configurations are available.

F. **Wall Application:**

Not suitable.

II. Standard Product Configuration

GeoLinear Wood Ceiling Planks are available in standard sizes only. The reveal between blades is always 3/4" to ensure proper alignment with installation clips that are factory attached to the suspension rail. Product is available in two configurations:

- GL 415 - Blade: 3/4" th x 3-3/4" wide x 3/4" reveal
- GL 634 - Blade: 3/4" th x 5-1/4" wide x 3/4" reveal

II. Wood Selection

A. *Wood Species:*

Geometrik GeoLinear Wood Ceiling System may be specified in a variety of wood types. Current standard wood species are:

- Alder
- Anegre
- Ash
- European Beech
- Cherry
- Douglas Fir
- Mahogany
- Birch
- Western Cedar
- Natural Maple
- White Maple
- Bamboo
- Red Oak
- White Oak
- Hemlock
- Basswood

Other species are available upon request.

B. *Texture:*

The standard surface texture is smooth.

III. Wood Finishes

The standard finish is a high grade, 20 sheen, low VOC water-based clear sealer. Water based wood stains are available in a variety of shades. Opaque or semi-transparent color treatments are available with low VOC.

II. Fire Retardancy

Treatment of the wood members with fire retardant materials is available. Factory treated Wood Panels attain a Class 1, or A rating, when tested in accordance with ASTM E-84 and Canadian Standards CAN/ULC S102.

III. Acoustical Properties

Geometrik GeoLinear Wood Ceiling System is designed as a complete acoustical solution. Acoustically transparent Black Fiber Felt is factory applied to the back side of each. The placement of a fiberglass blanket above the ceiling plane enhances the acoustical value of the ceiling. The system typically yields NRC 0.85-0.95 depending on the thickness of the acoustical blanket above.

IV. LEED & Green Building Standards

Building materials typically considered to be 'green' include lumber from forests that have been certified to a third-party forest standard, rapidly renewable plant materials like bamboo and other products that are non-toxic, reusable, and renewable. Building materials should be extracted and manufactured locally to the building site to minimize the energy embedded in their transportation. Where possible, building elements are manufactured off-site and delivered to site, to maximize benefits of off-site manufacture including minimizing waste, maximizing recycling (because manufacture is in one location), high quality elements, better OHS management, less noise and dust.

As part of our ongoing commitment, we put every effort in preserving our forest for future generations. We actively promote panels made of engineered wood that is environmentally friendly, easy to recycle, made of recycled fiber and have a low impact on the environment. Geometrik is offering wood ceiling and wall panels manufactured using environmentally preferable products (EPP) such as low emitting sustainable design fiberboard (SDF) that contains high percentage of pre-consumer recycled fiber and have no added urea formaldehyde. We use low VOC finishes to further contribute to sustainable design.

If specified, Geometrik wood panels can contribute to the following LEED credits:

- **MR 4 Recycled Content**
Recycled wood fibre core board is used for veneered products. All Geometrik veneered product can contribute towards this credit.
- **MR 5 Regional Materials**
Dependent on product selection and project location.
- **MR 6 Rapidly Renewable Materials**
Example: Solid Bamboo.
- **MR 7. Certified Wood**
FSC Pure & Mixed Credit Certified – available option. .
- **EQ 4.2 Low-Emitting Materials, Paints and Coatings**
Geometrik finishes supplied for on-site use are water-based and Low-VOC.
Geometrik uses a state-of-the-art 100% water-based Low-VOC finishing process.
- **EQ 4.4 Low-Emitting Materials, Composite Wood and Agrifiber Products**
No added Urea Formaldehyde cores are used for veneered products.

V. Shipping and Storage

Geometrik GeoLinear Wood Ceiling System are generally shipped on 4'-0"W x 8'-0"L pallet with protective cardboard, corner protections and shrink wrap packaging for additional protection. Cardboard safety cones are placed on top of all pallets to ensure no stacking of other pallets occurs.

The Wood Ceiling should be delivered in original, unopened packages to project site and stored flat and level in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other mistreatment.

Before installing Wood Ceiling ensure room temperature and moisture content are stabilized a minimum of seventy-two (72) hours prior to installation per AWI Standards. Maintain uniform temperature of minimum 20°C [68°F], and maximum humidity of 55 percent prior to, during, and after Wood Ceiling installation.

VI. Technical Assistance

Our Geometrik team of experienced professionals are available to assist you in the design and construction phases of your project, whether new construction, or renovation.

For additional information and assistance please contact us at;
Toll Free: 1-888-306-0024 or Fax: (250) 769-1520 or Website: www.geometrik.com