PLEASE PLANT

200-100 Park Royal S, Vancouver, BC
236-323-2179
info@pleaseplant.com
www.pleaseplant.com

Product 1.7: GEO | SHD

SECTION 107300 – SHADE STRUCTURES
PART 1 – GENERAL

1.1 SUMMARY
A. Section includes: Customizable, durable shade structures designed for UV and weather protection in urban, recreational, and commercial environments.
B. Related sections:
Section 033000 – Cast-in-Place Concrete for foundation preparation.
Section 024119 – Selective Site Demolition for clearing and leveling installation sites.

1.2 REFERENCES
A. ASTM E330 – Standard Test Method for Structural Performance of Exterior Building Systems.
B. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
C. CAN ULC-S102 – Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

1.3 SUBMITTALS
A. Product Data: Submit manufacturer's product data, including technical details, installation guidelines, and maintenance instructions.
B. Shop Drawings: Provide detailed shop drawings indicating dimensions, material specifications, and customization options.
C. Samples: Provide finish and material samples upon request.

1.4 QUALITY ASSURANCE
A. Manufacturer Qualifications: Minimum of 5 years of experience in producing commercial-grade shade structures.
B. Mock-Up: Provide a full-scale mock-up or representative section for review, if required by the project owner.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Store shade structures in a dry, ventilated area to protect finishes from damage or corrosion.
B. Avoid stacking or excessive handling to prevent deformation or scratches on components.

1.6 WARRANTY
A. Provide manufacturer's standard warranty, including an 8-year structural warranty, 3 years on coatings and finishes, and 2 years on components. Consult terms and conditions for full warranty details per product type.

200-100 Park Royal S, Vancouver, BC
236-323-2179
info@pleaseplant.com
www.pleaseplant.com

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Please Plant, 200-100 Park Royal S, Vancouver, BC
Email: info@pleaseplant.com | Phone: +1 236-323-2179

2.2 SHADE STRUCTURES

A. Product Nomenclature: GEO-SHD-[Material Code]-[Span Width]-[Finish Code]-[Customization]
Material Code: ST (Steel), AL (Aluminum).
Span Width: Specify up to 30’ (custom spans available).
Finish Code: PC (Powder-Coated), AN (Anodized).
Customization: IL (Integrated Lighting), SP (Solar Panels), WM (Water Management System).
Example: GEO-SHD-ST-25-PC-IL (Steel structure, 25' span, powder-coated, with integrated lighting).

B. Materials:
Frame: High-strength steel or aluminum with corrosion-resistant powder-coated or anodized finishes.
Roofing: Perforated metal panels or composite materials for UV and weather protection.

C. Performance:
Wind Resistance: Engineered to withstand wind loads up to 120 mph, tested per ASTM E330 standards.
UV Protection: Provides up to 99% UV block while allowing natural light diffusion.
Fire Rating: Certified to ASTM E84 Class A and CAN ULC-S102 standards.

D. Dimensions:
Standard Sizes:
a. Span Width: Up to 30’.
b. Height: 8’–15’ (custom heights available).
Custom dimensions available upon request.

E. Customization:
Integrated LED lighting for enhanced visibility.
Solar panels for energy-efficient functionality.
Water management systems for sustainable runoff control.

200-100 Park Royal S, Vancouver, BC
236-323-2179
info@pleaseplant.com
www.pleaseplant.com

PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that the installation area is level, debris-free, and structurally prepared for the weight and load requirements of the shade structure.

B. Confirm foundation and anchoring specifications with shop drawings.

3.2 INSTALLATION

A. Surface-Mounted Installation:

Use concealed stainless steel hardware for permanent placement.

Follow manufacturer's recommendations for anchoring to ensure stability.

B. Freestanding Installation:

Assemble modular components as per provided instructions.

Ensure the structure is securely positioned to prevent displacement in various terrains.

3.3 CLEANING AND MAINTENANCE

A. Cleaning: Use non-abrasive detergents and soft brushes to clean frames and roofing materials regularly. Avoid abrasive or corrosive cleaning agents.

B. Inspection:

Conduct routine inspections of finishes, anchoring hardware, and any integrated features such as lighting or solar panels.

Repair or replace damaged components as necessary to maintain performance and appearance.

3.4 PROTECTION

A. Protect the structure from construction-related damage until project completion.

END OF SECTION