



SECTION 09 77 53

3 PART MasterFormat Document

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Moss Walls

1.2 RELATED SECTIONS

1.3 REFERENCES

1.4 SUBMITTALS

A. Submit in accordance of Administrative Requirements

B. Product Data:

- a. Manufacturer's data sheets on each product to be used.
- b. Manufacturer certifications.
- c. Preparation instructions and recommendations.
- d. Storage and handling requirements and recommendations.
- e. Typical installation methods.

C. Verification Samples: A sample box is delivered with all green reindeer moss (medium, lime, forest, light, and nature green) and Pole moss, Pillow moss, and Flat Moss samples that are labeled. The sample box is intended to help the Architect or Designer choose the appropriate moss types for their project.

D. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.

- a. Wall design calculations, including drawings are to be stamped by a registered Professional Engineer or Architect licensed in the state of the project.

E. Sustainable Compliance: All information pertaining to categories, points and documentation.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.

- B. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
- C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.
- D. Render: Construct a render with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate render as acceptable to the Architect and provide temporary foundations and support.
 - a. Intent of render is to demonstrate quality of workmanship and visual appearance.
 - b. If render is not acceptable, rebuild render until satisfactory results are achieved.
 - c. Retain render during construction as a standard for comparison with completed work.
 - d. Do not alter or remove render until work is completed or removal is authorized.

1.6 PRE-INSTALLATION CONFERENCE

- A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Contractor shall check the materials upon delivery to assure proper materials have been received.
- B. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
- C. Protect from damage due to weather, excessive temperature, and construction operations.
 - a. Damaged materials shall not be used in the project.
- D. Exposed edges of modules are to be free of defects, and other imperfections and additional materials are to be free of defects.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by the manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
- B. Do not allow humidity to drop below 35% in the room where the moss wall is installed.

1.9 WARRANTY

- A. Manufacturer's standard limited warranty unless indicated otherwise.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Green Oasis LLC.
- B. Substitution: Not permitted.
- C. Requests for substitutions will be considered in accordance with Product Requirements.

2.2 MOSS WALLS

- A. Performance and Design Requirements:
 - a. Blended Media as Preserved Moss
 - b. Included in the Work: Following the drawings.
 - i. Wall Preparation.
 - ii. If installed in a pocket or if Moss Wall needs to be flush with an edge leave a ½ inch space between edge of moss wall substrate and wall edge.
 - iii. Sign components; optional, a Baltic Birch substrate is used if there is a sign component.
 - iv. Approved Frames if requested.
 - v. Backlighting if requested.
 - c. Moss Wall Systems: Designed to be installed and not moved.
 - i. Reinforcement Design:
 - 1. Attached to a plywood or acoustical felt substrate with glue.
 - 2. There is no need for additional connection means of attachment.
 - 3. Basis of Design: Moss Walls as manufactured by Green Oasis LLC. Real moss undergoes a preservation process that allows them to keep their natural texture and be dyed.
 - a. Moss Wall: Substrate: 4ft x 8ft x 3/8in. Moss is attached to the substrate. Substrate sections are assembled at the installation site if the project is larger than 4 feet wide.
 - b. Weight:
 - i. Reindeer moss with felt substrate is 1.4 lbs / sq ft.
 - ii. Pole Moss with felt substrate is 0.8 lbs / sq ft.
 - iii. Flat Moss with felt substrate is 0.6 lbs / sq ft.
 - iv. Pillow Moss with felt substrate is 1.2 lbs / sq ft.
 - c. UV Stabilization: 7 years minimum
 - d. Type of Moss:

- i. Medium Green Reindeer Moss
 - ii. Lime Green Reindeer Moss
 - iii. Forest Green Reindeer Moss
 - iv. Light Green Reindeer Moss
 - v. Nature Green Reindeer Moss
 - vi. Nature Green Pole Moss
 - vii. Light Green Pole Moss
 - viii. Pillow Moss
 - ix. Flat Moss
- e. Frame Type:
- i. Wood Frame
 - 1. Natural
 - 2. White (Gloss or White)
 - 3. Cherry
 - 4. Black (Gloss or White)
 - ii. Aluminum Frame
 - 1. Matte Black
 - 2. Brushed Silver
 - iii. Custom Frame
- f. Sign:
- i. Acrylic laser cut and mounted with stainless steel rods.
 - ii. Screen printed on clear acrylic.
 - iii. Backlighting

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly aligned and prepared.
- B. If substrate wall preparation is the responsibility of another installer, notify the Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with Green Oasis LLC instructions, approved submittals, and proper relationship with adjacent construction.
- B. Failure to comply can cause installation issues which can result in additional charges for additional airfare, lodging, and time.
- C. Consideration for the placement of the 4 feet wide sections should be taken.
- D. If not specified by the Architect, consideration should also be given at this point to the placement of the supplemental track lighting.
- E. Address and details of where Green Oasis should ship the Moss Wall.
- F. Consideration of an electrical outlet available if Moss Wall includes a backlit sign.
- G. Installation of the Moss Wall should be scheduled for after painting is finished. (Dusty conditions are harmful to the plants and are time-consuming and expensive to clean if the Moss Wall is installed too early. If cleaning is required after installation due to this then an additional charge may be applied)
- H. Coordinate shipment of the Moss Wall with a minimum of three weeks in advance of the actual installation. A climate controlled storage area of this crate is required. The installation crew is based out of San Antonio TX, we ask for a 2 week warning to coordinate deployment. Be sure to read the pre-deployment checklist before scheduling deployment. Failure to do so will result in extra travel charges, including airfare and lodging if needed.
- I. If the Moss Wall System is to be installed in an alcove or recess, field measurements should be confirmed back to Green Oasis. Final measurements should be taken when the final wall covering is installed or in the case of paint/wallpaper when the drywall is installed.
- J. The Green Oasis team is committed to doing all we can to assist in ensuring a successful project.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection:
- B. Green Oasis Services:

3.5 CLEANING AND PROTECTION

- A. Clean product in accordance with Green Oasis recommendations.
- B. Green Oasis will touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION