

**Manufacturer’s Literature and Specifications**

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## Manufacturer's Literature and Specifications

### Proposed Exterior Paint Colors

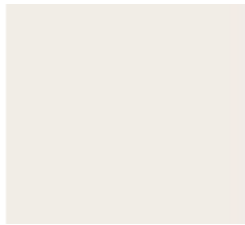
The proposed exterior paint scheme was selected in consideration of the County's design and façade improvement guidelines, with an emphasis on creating a cohesive, visually appealing storefront that complements the surrounding corridor while enhancing the overall appearance of the property.

The selected paint colors are:

- **Sherwin-Williams "Capri" (SW 6788)** — proposed primary/base exterior color



- **Sherwin-Williams "Ibis White" (SW 7000)** — proposed accent and trim color



The combination of these colors is intended to provide a clean, timeless aesthetic with appropriate contrast for architectural accents, trim details, signage framing, and façade enhancements.

## Manufacturer's Literature and Specifications

### Fiber Cement Siding

Hardie Plank, Soffit, and Trim

#### SECTION 07 46 46

#### FIBER CEMENT SIDING – HARDIEPLANK, SOFFIT, AND TRIM

#### PART 1 – GENERAL

##### 1.1 SECTION INCLUDES

- A. Fiber Cement Plank Lap Siding.
- B. Trim, Fascia, Molding, and Accessories.

##### 1.2 RELATED REQUIREMENTS

- A. Section 05 12 00, Structural Steel Framing.
- B. Section 05 40 00 – Cold-Formed Metal Framing.
- C. Section 06 10 00 – Rough Carpentry.
- D. Section 07 21 00 – Thermal Insulation.
- E. Section 07 25 00 – Weather Barriers.
- F. Section 07 92 00 – Joint Sealants.
- G. Section 09 21 16 – Gypsum Board Assemblies.
- H. Section 09 91 13 – Exterior Painting.

##### 1.3 REFERENCE STANDARDS

#### Editor Note:

Other References you may want to include based on location of project.

- CAL-FIRE, Fire Engineering Division Building Materials Listing - Wildland Urban Interface (WUI) Listed Product.
- City of Los Angeles, Research Report No. 24862.
- Miami Dade County, -Notice of Acceptance -24-0221.07
- US Department of Housing and Urban Development Materials Release -1263h.
- Florida State Product Approval -FL13192 and FL13265.
- Texas Department of Insurance Product Evaluation EC-23.

- A. ASTM C1185, Standard Test Methods for Sampling and Testing Fiber-Cement Flat Sheet, Roofing and siding Shingles, and Clapboards; 2023.

## Manufacturer's Literature and Specifications

- B. ASTM C1186, Standard Specification for Flat Fiber-Cement Sheets; 2022, with 2023 Editorial Revision.
- C. ASTM D3359, Standard Test Methods for Rating Adhesion by Tape Test; 2023.
- D. ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- E. ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials; 2024.
- F. ASTM E136, Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 Degrees C; 2022.
- G. ASTM E330/E330M, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2021.
- H. ICC-ES Evaluation Reports ESR-2290 and ESR-2273 (IBC, IRC, CBC, CRC); Current Editions.
- I. [ ]
- J. [ ]

### 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Conference:
  - a. A minimum of 2-weeks prior to the commencement of the Work of this section, conduct a preliminary pre-installation conference at project site.
  - b. Meet with Owner, Architect, and Installer, and Subcontractors completing related work.
  - c. Review the Following:
    - i. Methods and procedures to complete the Work.
    - ii. Substrate and installation requirements.
    - iii. Temporary protection requirements.
    - iv. Repair procedures.
    - v. Schedule.
    - vi. Other pertinent topics.
  - d. Provide record of discussion with meeting minutes distributed to all attendees.

### 1.5 SUBMITTALS

- A. See Section 01 30 00, Administrative Requirements.
- B. Product Data:
  - a. Manufacturer's product data sheets.
  - b. Manufacturer's storage and handling requirements.
  - c. Manufacturer's preparation instructions.
  - d. Manufacturer's installation instructions.

## Manufacturer's Literature and Specifications

- e. Manufacturer's operation and maintenance instructions.
- C. Shop Drawings:
  - a. Provide detailed drawings showing dimensions, layout, joints, construction details, and attachments.
  - b. Indicate atypical non-standard applications outside of manufacturer's standard details and specifications.
- D. Selection Samples:
  - a. Provide two complete sets of color chips representing manufacturer's full range of available colors and patterns for each finish product specified.
- E. Verification Samples:
  - a. Provide two samples, minimum 4-inch x 6-inch (100 mm x 150 mm) representing selected product, color, texture, and patterns for each finish product specified.
- F. Installers qualification statement.
- G. Warranty:
  - a. Manufacturer's sample warranty.
  - b. Manufacturer's executed written warranty, completed in Owner's name and registered with manufacturer.

### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in work specified in this section with a minimum of [ ]-years of experience with installation of products of this type.
- B. Mock-up:
  - a. Mock-Up: Build mock-up for evaluation of surface preparation techniques, installation workmanship, and to verify selections made from sample submittals to demonstrate aesthetic effects and set quality standards for fabrication and installation.
    - i. Minimum 48-inches wide x 60-inches high or similar area as fits the layout of the building exterior.
    - ii. Include outside corner on one end of mockup and inside corner on the other end.
    - iii. Finish areas designated by Architect.
    - iv. Approval of mock-up does not constitute approval of deviations from the Contract Documents unless approved in writing.
    - v. Approved mock-up **[may, may not]** remain as a part of the completed work.
  - b. Provide a minimum of [ ]-days notification to Architect, Installer, and Manufacturer's Representative prior to application of mock-up for review.

## Manufacturer's Literature and Specifications

- c. Obtain approval of mock-up from Architect prior to commencement of Work.

### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging with labels intact until ready for installation.
- B. Store siding flat on a smooth level surface and carry on its side.
- C. Protect edges and corners from chipping.
- D. Store materials under dry, waterproof, well-ventilated cover, elevated above grade, and kept dry prior to installation.
- E. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of the Authorities Having Jurisdiction.
- F. Protect materials from damage, dust, or other detrimental conditions.

### 1.8 FIELD CONDITIONS

- A. Maintain environmental conditions including temperature, humidity, and ventilation in accordance with the limits indicated in the manufacturer's written instructions.
- B. Do not install products in conditions outside of the manufacturer's stated limits.

### 1.9 WARRANTY

- A. Manufacturer's Limited, Non Pro-rated Product Warranty:
  - a. Plank, Soffit, and Trim: 30-year Warranty.
  - b. Color-Plus Finish: 15-year Warranty.
  - c. When installed and maintained in accordance with manufacturer's written requirements, warranty for 15-years from date of purchase covering peeling, cracking, and chipping.
- B. Installers Warranty:
  - a. Provide [ ]-year installers warranty covering workmanship for work of this Section.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design: James Hardie Building Products, Inc.; Hardie Plank Lap Siding; [www.jameshardie.com](http://www.jameshardie.com).
- B. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.2 FIBER CEMENT – LAP SIDING

## Manufacturer's Literature and Specifications

- A. Fiber Cement Lap Siding:
  - a. Type A, Grade II, ASTM C1186.
  - b. Non-combustible Material, ASTM E136.
  - c. Flame Spread Index: 0, ASTM E84.
  - d. Smoke Developed Index: <5, ASTM E84.
- B. Type:
  - a. Smooth:
    - i. 5-1/4 inches (133 mm) with 4-inches (102 mm) exposure.
    - ii. 6-1/4 inches (159 mm) with 5-inches (127 mm) exposure.
    - iii. 7-1/4 inches (184 mm) with 6-inches (152 mm) exposure.
    - iv. 8-1/4 inches (210 mm) with 7-inches (178 mm) exposure.
    - v. 9-1/4 inches (235 mm) with 8-inches (203 mm) exposure.
    - vi. 12-inches (305 mm) with 10-3/4 inches (273 mm) exposure.
  - b. Select Cedarmill:
    - i. 5-1/4 inches (133 mm) with 4-inches (102 mm) exposure.
    - ii. 6-1/4 inches (159 mm) with 5-inches (127 mm) exposure.
    - iii. 7-1/4 inches (184 mm) with 6-inches (152 mm) exposure.
    - iv. 8-1/4 inches (210 mm) with 7-inches (178 mm) exposure.
    - v. 9-1/4 inches (235 mm) with 8-inches (203 mm) exposure.
    - vi. 12-inches (305 mm) with 10-3/4 inches (273 mm) exposure.
  - c. Beaded Smooth:
    - i. 8-1/4 inches (210 mm) with 7-inches (178 mm) exposure.
  - d. Beaded Cedarmill:
    - i. 8-1/4 inches (210 mm) with 7-inches (178 mm) exposure.
- C. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- D. Product:
  - a. Basis-of-Design: HardiePlank; [www.jameshardie.com](http://www.jameshardie.com).
  - b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.3 FIBER CEMENT NON-VENTED SOFFIT PANELS

- A. Type A, Grade II, ASTM C1186.
- B. Non-combustible Material, ASTM E136.
- C. Flame Spread Index: 0, ASTM E84.
- D. Smoke Developed Index: <5, ASTM E84.
- E. Thickness: 1/4-inch (6 mm).
- F. Type:
  - a. Smooth:

## Manufacturer's Literature and Specifications

- i. 12-inches (305 mm) x 12-feet (3658 mm).
- ii. 16-inches (406 mm) x 12-feet (3658 mm).
- iii. 24-inches (610 mm) x 8-feet (2438 mm).

### G. Color:

- a. [\_\_\_\_\_].
- b. As selected by Architect from manufacturer's standard range.

### H. Product:

- a. Basis-of-Design: HardieSoffit; [www.jameshardie.com](http://www.jameshardie.com).
- b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

## 2.4 FIBER CEMENT VENTED SOFFIT PANELS

- A. Type A, Grade II, ASTM C1186.
- B. Non-combustible Material, ASTM E136.
- C. Flame Spread Index: 0, ASTM E84.
- D. Smoke Developed Index: <5, ASTM E84.
- E. Net Free Ventilation: 5-square inches per linear foot (10583 sq. mm per linear meter).
- F. Thickness: 1/4-inch (6 mm).
- G. Type:
  - a. Smooth:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
  - b. Textured Cedarmill:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).

### H. Color:

- a. [\_\_\_\_\_].
- b. As selected by Architect from manufacturer's standard range.

### I. Product:

- a. Basis-of-Design: HardieSoffit; [www.jameshardie.com](http://www.jameshardie.com).
- b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

## 2.5 FIBER CEMENT VENTED PLUS SOFFIT PANELS

- J. Type A, Grade II, ASTM C1186.
- K. Non-combustible Material, ASTM E136.
- L. Flame Spread Index: 0, ASTM E84.

## Manufacturer's Literature and Specifications

- M. Smoke Developed Index: 5, ASTM E84.
- N. Net Free Ventilation: 12.6-square inches per linear foot (26670 sq. mm per linear meter).
- O. Thickness: 1/4-inch (6 mm).
- P. Type:
  - a. Smooth, Vented:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
  - b. Textured Cedarmill:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
- Q. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- R. Product:
  - a. Basis-of-Design: HardieSoffit VentedPlus Panels;  
[www.jameshardie.com](http://www.jameshardie.com).
  - b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

## 2.6 ACCESSORIES

- A. HardieTrim Trim Boards; [www.jameshardie.com](http://www.jameshardie.com):
  - a. Type A, Grade I, ASTM C1186.
  - b. Flame Spread Index: 0, ASTM E84.
  - c. Smoke Developed Index: <5, ASTM E84.
  - d. Batten Board: 2-1/2 inch (63 mm) width.
  - e. 4/4 Boards:
    - i. 3-1/2 inch (89 mm) width.
    - ii. 5-1/2 inch (140 mm) width.
    - iii. 7-1/4 inch (184 mm) width.
    - iv. 9-1/4 inch (235 mm) width.
    - v. 11-1/4 inch (286 mm) width.
  - f. 5/4 Boards:
    - i. 3-1/2 inch (89 mm) width.
    - ii. 5-1/2 inch (140 mm) width.
    - iii. 7-1/4 inch (184 mm) width.
    - iv. 9-1/4 inch (235 mm) width.
    - v. 11-1/4 inch (286 mm) width.

## Manufacturer's Literature and Specifications

- g. Color:
    - i. [\_\_\_\_\_].
    - ii. As selected by Architect from manufacturer's standard range.
  - h. Texture:
    - i. Smooth.
    - ii. Rustic.
    - iii. Wood Grained.
  - i. Length: 12-feet (3658 mm).
  - j. Thickness:
    - i. 3/4-inch (19 mm).
    - ii. 1-inch.
- B. Seam Tape: HardieWrap; [www.jameshardie.com](http://www.jameshardie.com).
- C. Flashing:
  - a. HardieWrap Flashing Tape; [www.jameshardie.com](http://www.jameshardie.com).
  - b. HardieWrap Flex Flashing Tape; [www.jameshardie.com](http://www.jameshardie.com).
- D. Fasteners:
  - a. Wood Framing Fasteners:
    - i. 4d common corrosion resistant nails.
    - ii. 6d common corrosion resistant nails.
    - iii. 8d box ring common corrosion resistant nails.
    - iv. 0.089-inch (2.2 mm) shank x 0.221-inch (5.6 mm) head x 2-inches (51 mm) corrosion resistant siding nails.
    - v. 0.093-inch (2.4 mm) shank x 0.222-inch (5.6 mm) head x 2-inches (51 mm) corrosion resistant siding nails.
    - vi. 0.093-inch (2.4 mm) shank x 0.222-inch (5.6 mm) head x 2-1/2 inches (64 mm) corrosion resistant siding nails.
    - vii. 0.091-inch (2.3 mm) shank x 0.221-inch (5.6 mm) head x 1-1/2 inches (38 mm) corrosion resistant siding nails.
    - viii. 0.091-inch (2.3 mm) shank x 0.225-inch (5.7 mm) head x 1-1/2-inches (38 mm) corrosion resistant siding nails.
    - ix. 0.121-inch (3 mm) shank x 0.371-inch (9.4 mm) head x 1-1/4 inches (32 mm) corrosion resistant roofing nails.
    - x. No. 11 gauge 1-1/4 inches (32 mm) corrosion resistant roofing nails.
    - xi. No. 11 gauge 1-1/2 inches (38 mm) corrosion resistant roofing nails.
    - xii. No. 11 gauge 1-3/4 inches (44 mm) corrosion resistant roofing nails.
    - xiii. 16 gauge 1-1/2 inches (38 mm) stainless finish nails.
  - b. Metal Framing Fasteners:

## **Manufacturer's Literature and Specifications**

- i. 1-1/4 inches (32 mm) No. 8-18 x 0.375-inch (9.5 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
  - ii. 1-5/8 inches (41 mm) No. 8-18 x 0.323-inch (8.2 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
  - iii. 1-inch (25 mm) No. 8-18 x 0.323-inch (8.2 mm) head self-drilling, corrosion resistant ribbed buglehead screws.
  - iv. 1-inch (25 mm) No. 8-18 x 0.311-inch (7.9 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
  - v. 1.5-inch (38 mm) [AGS-100] .100-inches x 25-inches (2540 mm x 635 mm) ETandF Pin or equivalent pneumatic fastener.
- c. Masonry Walls:
- i. Aerico Stud Nail, ET&F ASM No. 144-125, 0.14-inch (3.6 mm) shank x 0.30-inch (7.6 mm) head by 2-inches (51 mm) long corrosion resistant nails.

## **2.7 FINISHES**

- A. Factory Primer: Provide factory applied universal primer.
- a. Primer: Factory primed by manufacturer.
  - b. Topcoat: Reference Section 09 90 00, Painting and Coating and project Finish Schedule.
- B. Factory Finish: Reference project Finish Schedule.
- a. As supplied by manufacturer.
  - b. Factory applied finish is finish applied by the same company and in the same facility that manufactures the siding substrate.
  - c. Require factory applied finish by fiber cement manufacturer applied in controlled environment within manufacturer's facility utilizing multi-coat, heat cured finish within one manufacturing process.
  - d. Each finish color to have documented color match to Delta E of 0.5 or better between product lines, manufacturing lots, or production runs as measured by photospectrometer and verified by third party.
  - e. Provide factory applied finish protection prior to transit to site. Remove finish protection after installation.
  - f. Accessories: Provide complete finishing system including pre-packaged touch-up kit provided by manufacturer.
  - g. Provide quantities as recommended by manufacturer.

## **PART 3 – EXECUTION**

### **3.1 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.

## **Manufacturer's Literature and Specifications**

- B. Examine substrate, clean and repair to eliminate conditions detrimental to installation.
- C. Do not commence with the Work until unacceptable conditions are remedied.
- D. Verify that weather barrier is installed over substrate and ready to receive the Work.
- E. If framing preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation prior to commencement of Work.

### **3.2 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using methods recommended by manufacturer's written requirements.
- C. Protect surrounding work areas and surface during installation.
- D. Repair punctures or tears in weather barrier prior to installation of siding.

### **3.3 WEATHER BARRIER**

- A. See Section 07 25 00, Weather Barriers.
- B. Ensure weather barrier is installed with penetration and junction flashing in accordance with manufacturer's written requirements and the Authorities Having Jurisdiction.

### **3.5 INSTALLATION – LAP SIDING**

- A. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- B. General:
  - a. Protect siding from Work of other trades.
  - b. Surfaces to be dry prior to installation of weather barriers and siding.
  - c. Reference trim details on Drawings.
  - d. Touch-up cut edges prior to installation.
- C. Flashing:
  - a. Install above door and window trim and casings.
  - b. Install above horizontal trim in field of siding.
  - c. [\_\_\_\_\_].
  - d. [\_\_\_\_\_].

### **3.5 INSTALLATION OF SOFFIT AND VENTED PANELS**

- A. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- B. Panels may be installed as soffit or ceiling over wood or steel framing.

## **Manufacturer's Literature and Specifications**

- C. 20-gauge (33 mil) minimum to 16-gauge (54 mil) in compliance with the Authorities Having Jurisdiction.
- D. Additional framing may be necessary to ensure proper fastening of siding.

### **3.6 INSTALLATION OF TRIM BOARDS**

- A. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- B. Install flashing around all wall openings.

### **3.7 FINISHING**

- A. Finish in accordance with paint manufacturer's written application instructions.
- B. Finish unprimed siding with a minimum of one coat of manufacturer approved primer and one coat of 100 percent **[acrylic];[latex]** exterior grade topcoat or two coats of manufacturer approved high quality alkali resistant 100 percent **[acrylic; latex]** exterior grade topcoat within 90-days of installation.
- C. Finish factory primed siding with a minimum of one coat of manufacturer approved high quality 100 percent **[acrylic][latex]** exterior grade paint within 180-days of installation.

### **3.8 CLEANING**

- A. See Section 01 70 00, Execution and Closeout Requirements.
- B. Clean siding in accordance with manufacturer's written instructions using materials and methods acceptable to manufacturer.

### **3.9 PROTECTION**

- A. Protect installed products until date of Substantial Completion.
- B. Touch-up, repair or replace damaged areas prior to date of Substantial Completion.

**END OF SECTION**

## Manufacturer's Literature and Specifications

Hardie Panel, Architectural Panel, Soffit, and Trim

### SECTION 07 46 46

#### FIBER CEMENT SIDING – HARDIE PANEL, ARCHITECTURAL PANEL, SOFFIT, AND TRIM

##### PART 1 – GENERAL

###### 1.1 SECTION INCLUDES

- C. Fiber Cement Panel Siding.
- D. Fiber Cement Architectural Panel Siding.
- E. Trim, Fascia, Molding, and Accessories.

###### 1.2 RELATED REQUIREMENTS

- I. Section 05 12 00, Structural Steel Framing.
- J. Section 05 40 00 – Cold-Formed Metal Framing.
- K. Section 06 10 00 – Rough Carpentry.
- L. Section 07 21 00 – Thermal Insulation.
- M. Section 07 25 00 – Weather Barriers.
- N. Section 07 92 00 – Joint Sealants.
- O. Section 09 21 16 – Gypsum Board Assemblies.
- P. Section 09 91 13 – Exterior Painting.

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###### Editor Note:

Other References you may want to include based on location of project.

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- City of Los Angeles, Research Report No. 24862.
- Miami Dade County, -Notice of Acceptance -24-0221.07
- US Department of Housing and Urban Development Materials Release -1263h.
- Florida State Product Approval - FL 13223 and FL 13265.
- Texas Department of Insurance Product Evaluation EC-23.

- K. ASCE 7, Minimum Design Loads for Buildings and Other Structures, Current Edition.

## Manufacturer's Literature and Specifications

- L. ASTM C1185, Standard Test Methods for Sampling and Testing Fiber-Cement Flat Sheet, Roofing and siding Shingles, and Clapboards; 2023.
- M. ASTM C1186., Standard Specification for Flat Fiber-Cement Sheets; 2022, with 2023 Editorial Revision.
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- P. ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials; 2024.
- Q. ASTM E136, Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 Degrees C; 2022.
- R. ASTM E330/E330M, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2021.
- S. ICC-ES Evaluation Reports ESR-1844, ESR-2290 and ESR-2273 (IBC, IRC, CBC, CRC); Current Editions.
- T. [ ]
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### 1.4 ADMINISTRATIVE REQUIREMENTS

- B. Pre-Installation Conference:
  - a. A minimum of 2-weeks prior to the commencement of the Work of this section, conduct a preliminary pre-installation conference at project site.
  - b. Meet with Owner, Architect, and Installer, and Subcontractors completing related work.
  - c. Review the Following:
    - i. Methods and procedures to complete the Work.
    - ii. Substrate and installation requirements.
    - iii. Temporary protection requirements.
    - iv. Repair procedures.
    - v. Schedule.
    - vi. Other pertinent topics.
  - d. Provide record of discussion with meeting minutes distributed to all attendees.

### 1.5 SUBMITTALS

- H. See Section 01 30 00, Administrative Requirements.
- I. Product Data:
  - a. Manufacturer's product data sheets.
  - b. Manufacturer's storage and handling requirements.

## Manufacturer's Literature and Specifications

- c. Manufacturer's preparation instructions.
- d. Manufacturer's installation instructions.
- e. Manufacturer's operation and maintenance instructions.
- J. Shop Drawings:
  - a. Provide detailed drawings showing dimensions, layout, joints, construction details, and attachments.
  - b. Indicate atypical non-standard applications outside of manufacturer's standard details and specifications.
- K. Selection Samples:
  - a. Provide two complete sets of color chips representing manufacturer's full range of available colors and patterns for each finish product specified.
- L. Verification Samples:
  - a. Provide two samples, minimum 4-inch x 6-inch (100 mm x 150 mm) representing selected product, color, texture, and patterns for each finish product specified.
- M. Installers qualification statement.
- N. Warranty:
  - a. Manufacturer's sample warranty.
  - b. Manufacturer's executed written warranty, completed in Owner's name and registered with manufacturer.

### 1.6 QUALITY ASSURANCE

- C. Installer Qualifications: Company specializing in work specified in this section with a minimum of [ ]-years of experience with installation of products of this type.
- D. Mock-up:
  - a. Mock-Up: Build mock-up for evaluation of surface preparation techniques, installation workmanship, and to verify selections made from sample submittals to demonstrate aesthetic effects and set quality standards for fabrication and installation.
    - i. Minimum 48-inches wide x 60-inches high or similar area as fits the layout of the building exterior.
    - ii. Include outside corner on one end of mockup and inside corner on the other end.
    - iii. Finish areas designated by Architect.
    - iv. Approval of mock-up does not constitute approval of deviations from the Contract Documents unless approved in writing.
    - v. Approved mock-up **[may, may not]** remain as a part of the completed work.

## Manufacturer's Literature and Specifications

- b. Provide a minimum of **[ ]-days** notification to Architect, Installer, and Manufacturer's Representative prior to application of mock-up for review.
- c. Obtain approval of mock-up from Architect prior to commencement of Work.

### 1.7 DELIVERY, STORAGE, AND HANDLING

- G. Deliver and store products in manufacturer's unopened packaging with labels intact until ready for installation.
- H. Store siding flat on a smooth level surface and carry on its side.
- I. Protect edges and corners from chipping.
- J. Store materials under dry, waterproof, well-ventilated cover, elevated above grade, and kept dry prior to installation.
- K. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of the Authorities Having Jurisdiction.
- L. Protect materials from damage, dust, or other detrimental conditions.

### 1.8 FIELD CONDITIONS

- C. Maintain environmental conditions including temperature, humidity, and ventilation in accordance with the limits indicated in the manufacturer's written instructions.
- D. Do not install products in conditions outside of the manufacturer's stated limits.

### 1.9 WARRANTY

- C. Manufacturer's Limited, Non Pro-rated Product Warranty:
  - a. Plank, Soffit, and Trim: 30-year Warranty.
  - b. Color-Plus Finish: 15-year Warranty.
  - c. When installed and maintained in accordance with manufacturer's written requirements, warranty for 15-years from date of purchase covering peeling, cracking, and chipping.
- D. Installers Warranty:
  - a. Provide **[ ]-year** installers warranty covering workmanship for work of this Section.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

- C. Basis-of-Design: James Hardie Building Products, Inc.; Hardie Panel and Hardie Architectural Panel; [www.jameshardie.com](http://www.jameshardie.com).
- D. Substitutions: In accordance with the requirements of Division 01, General Requirements.

## Manufacturer's Literature and Specifications

### 2.2 FIBER CEMENT – VERTICAL PANEL SIDING

- E. Fiber Cement Panel Siding:
  - a. Type A, Grade II, ASTM C1186..
  - b. Non-combustible Material, ASTM E136.
  - c. Flame Spread Index: 0, ASTM E84.
  - d. Smoke Developed Index: <5, ASTM E84.
- F. Vertical Siding Panel - Type:
  - a. Smooth:
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 9-feet (2743 mm).
    - iii. 4-feet (1219 mm) x 10-feet (3048 mm).
  - b. Cedarmill:
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 9-feet (2743 mm).
    - iii. 4-feet (1219 mm) x 10-feet (3048 mm).
  - c. Stucco:
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 9-feet (2743 mm).
    - iii. 4-feet (1219 mm) x 10-feet (3048 mm).
  - d. Sierra, 8-inch (203 mm):
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 9-feet (2743 mm).
    - iii. 4-feet (1219 mm) x 10-feet (3048 mm).
- G. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- H. Product:
  - a. Basis-of-Design: Hardie Panel Siding; [www.jameshardie.com](http://www.jameshardie.com).
  - b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.3 FIBER CEMENT – ARCHITECTURAL PANEL SIDING

- A. Fiber Cement Panel Siding:
  - a. Type A, Grade II, ASTM C1186.
  - b. Non-combustible Material, ASTM E136.
  - c. Flame Spread Index: 0, ASTM E84.
  - d. Smoke Developed Index: 0, ASTM E84.
- B. Vertical Siding Panel – Architectural Collection - Type:
  - a. Thickness: 0.3125 inches.
  - b. Fine Sand:

## Manufacturer's Literature and Specifications

- i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 10-feet (3048 mm).
    - iii. 4-feet (1219 mm) x 12-feet (3658 mm).
  - c. Fine Sand – Grooved:
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 10-feet (3048 mm).
    - iii. 4-feet (1219 mm) x 12-feet (3658 mm).
  - d. Mounded Sand:
    - i. 4-feet (1219 mm) x 8-feet (2438 mm).
    - ii. 4-feet (1219 mm) x 10-feet (3048 mm).
    - iii. 4-feet (1219 mm) x 12-feet (3658 mm).
  - e. Sea Grass:
  - f. 4-feet (1219 mm) x 8-feet (2438 mm).
  - g. 4-feet (1219 mm) x 10-feet (3048 mm).
  - h. 4-feet (1219 mm) x 12-feet (3658 mm).
- C. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- D. Product:
  - a. Basis-of-Design: Hardie Architectural Panel Siding;  
[www.jameshardie.com](http://www.jameshardie.com).
  - b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.4 FIBER CEMENT NON-VENTED SOFFIT PANELS

- I. Type A, Grade II, ASTM C1186.
- J. Non-combustible Material, ASTM E136.
- K. Flame Spread Index: 0, ASTM E84.
- L. Smoke Developed Index: <5, ASTM E84.
- M. Thickness: 1/4-inch (6 mm).
- N. Type:
  - a. Smooth:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
- O. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- P. Product:
  - a. Basis-of-Design: HardiePlank; [www.jameshardie.com](http://www.jameshardie.com).

## Manufacturer's Literature and Specifications

- b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.5 FIBER CEMENT VENTED SOFFIT PANELS

- S. Type A, Grade II, ASTM C1186.
- T. Non-combustible Material, ASTM E136.
- U. Flame Spread Index: 0, ASTM E84.
- V. Smoke Developed Index: <5, ASTM E84.
- W. Net Free Ventilation: 5-square inches per linear foot (10583 sq. mm per linear meter).
- X. Thickness: 1/4-inch (6 mm).
- Y. Type:
  - a. Smooth:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm),
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
  - b. Textured Cedarmill:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).
    - iii. 24-inches (610 mm) x 8-feet (2438 mm).
- Z. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- AA. Product:
  - a. Basis-of-Design: HardiePlank; [www.jameshardie.com](http://www.jameshardie.com).
  - b. Substitutions: In accordance with the requirements of Division 01, General Requirements.

### 2.6 FIBER CEMENT VENTED PLUS SOFFIT PANELS

- BB. Type A, Grade II, ASTM C1186.
- CC. Non-combustible Material, ASTM E136.
- DD. Flame Spread Index: 0, ASTM E84.
- EE. Smoke Developed Index: 5, ASTM E84.
- FF. Net Free Ventilation: 12.6-square inches per linear foot (26670 sq. mm per linear meter).
- GG. Thickness: 1/4-inch (6 mm).
- HH. Type:
  - a. Smooth, Vented:
    - i. 12-inches (305 mm) x 12-feet (3658 mm).
    - ii. 16-inches (406 mm) x 12-feet (3658 mm).

## Manufacturer's Literature and Specifications

- iii. 24-inches (610 mm) x 8-feet (2438 mm).
- b. Textured Cedarmill:
  - i. 12-inches (305 mm) x 12-feet (3658 mm).
  - ii. 16-inches (406 mm) x 12-feet (3658 mm).
  - iii. 24-inches (610 mm) x 8-feet (2438 mm).
- II. Color:
  - a. [\_\_\_\_\_].
  - b. As selected by Architect from manufacturer's standard range.
- JJ. Product:
  - c. Basis-of-Design: HardieSoffit VentedPlus Panels;  
[www.jameshardie.com](http://www.jameshardie.com).
  - d. Substitutions: In accordance with the requirements of Division 01, General Requirements.

## 2.7 ACCESSORIES

- E. HardieTrim Trim Boards; [www.jameshardie.com](http://www.jameshardie.com).
  - a. Type A, Grade I, ASTM C1186..
  - b. Flame Spread Index: 0, ASTM E84.
  - c. Smoke Developed Index: <5, ASTM E84.
  - d. Batten Board: 2-1/2 inch (63 mm) width.
  - e. 4/4 Boards:
    - i. 3-1/2 inch (89 mm) width.
    - ii. 5-1/2 inch (140 mm) width.
    - iii. 7-1/4 inch (184 mm) width.
    - iv. 9-1/4 inch (235 mm) width.
    - v. 11-1/4 inch (286 mm) width.
  - f. 5/4 Boards:
    - i. 3-1/2 inch (89 mm) width.
    - ii. 5-1/2 inch (140 mm) width.
    - iii. 7-1/4 inch (184 mm) width.
    - iv. 9-1/4 inch (235 mm) width.
    - v. 11-1/4 inch (286 mm) width.
  - g. Color:
    - i. [\_\_\_\_\_].
    - ii. As selected by Architect from manufacturer's standard range.
  - h. Texture:
    - i. Smooth.
    - ii. Rustic.
    - iii. Wood Grained.
  - i. Length: 12-feet (3658 mm).

## Manufacturer's Literature and Specifications

- j. Thickness:
  - i. 3/4-inch (19 mm).
  - ii. 1-inch.
- F. Seam Tape: HardieWrap; [www.jameshardie.com](http://www.jameshardie.com).
- G. Flashing:
  - a. HardieWrap Flashing Tape; [www.jameshardie.com](http://www.jameshardie.com).
  - b. HardieWrap Flex Flashing Tape; [www.jameshardie.com](http://www.jameshardie.com).
- H. Fasteners:
  - a. Wood Framing Fasteners:
    - i. 4d common corrosion resistant nails.
    - ii. 6d common corrosion resistant nails.
    - iii. 8d box ring common corrosion resistant nails.
    - iv. 0.089-inch (2.2 mm) shank x 0.221-inch (5.6 mm) head x 2-inches (51 mm) corrosion resistant siding nails.
    - v. 0.093-inch (2.4 mm) shank x 0.222-inch (5.6 mm) head x 2-inches (51 mm) corrosion resistant siding nails.
    - vi. 0.093-inch (2.4 mm) shank x 0.222-inch (5.6 mm) head x 2-1/2 inches (64 mm) corrosion resistant siding nails.
    - vii. 0.091-inch (2.3 mm) shank x 0.221-inch (5.6 mm) head x 1-1/2 inches (38 mm) corrosion resistant siding nails.
    - viii. 0.091-inch (2.3 mm) shank x 0.225-inch (5.7 mm) head x 1-1/2-inches (38 mm) corrosion resistant siding nails.
    - ix. 0.121-inch (3 mm) shank x 0.371-inch (9.4 mm) head x 1-1/4 inches (32 mm) corrosion resistant roofing nails.
    - x. No. 11 gauge 1-1/4 inches (32 mm) corrosion resistant roofing nails.
    - xi. No. 11 gauge 1-1/2 inches (38 mm) corrosion resistant roofing nails.
    - xii. No. 11 gauge 1-3/4 inches (44 mm) corrosion resistant roofing nails.
    - xiii. 16 gauge 1-1/2 inches (38 mm) stainless finish nails.
  - b. Metal Framing Fasteners:
    - i. 1-1/4 inches (32 mm) No. 8-18 x 0.375-inch (9.5 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
    - ii. 1-5/8 inches (41 mm) No. 8-18 x 0.323-inch (8.2 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
    - iii. 1-inch (25 mm) No. 8-18 x 0.323-inch (8.2 mm) head self-drilling, corrosion resistant ribbed buglehead screws.
    - iv. 1-inch (25 mm) No. 8-18 x 0.311-inch (7.9 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.

## Manufacturer's Literature and Specifications

- v. 1.5-inch (38 mm) [AGS-100] .100-inches x 25-inches (2540 mm x 635 mm) ETandF Pin or equivalent pneumatic fastener.
- c. Masonry Walls:
  - i. Aerico Stud Nail, ET&F ASM No.-144-125, 0.14-inch (3.6 mm) shank x 0.30-inch (7.6 mm) head by 2-inches (51 mm) long corrosion resistant nails.

### 2.8 FINISHES

- C. Factory Primer: Provide factory applied universal primer.
  - a. Primer: Factory primed by manufacturer.
  - b. Topcoat: Reference Section 09 90 00, Painting and Coating and project Finish Schedule.
- D. Factory Finish: Reference project Finish Schedule.
  - a. As supplied by manufacturer.
  - b. Factory applied finish is finish applied by the same company and in the same facility that manufactures the siding substrate.
  - c. Require factory applied finish by fiber cement manufacturer applied in controlled environment within manufacturer's facility utilizing multi-coat, heat cured finish within one manufacturing process.
  - d. Each finish color to have documented color match to Delta E of 0.5 or better between product lines, manufacturing lots, or production runs as measured by photospectrometer and verified by third party.
  - e. Provide factory applied finish protection prior to transit to site. Remove finish protection after installation.
  - f. Accessories: Provide complete finishing system including pre-packaged touch-up kit provided by manufacturer.
  - g. Provide quantities as recommended by manufacturer.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- F. Do not begin installation until substrates have been properly prepared.
- G. Examine substrate, clean and repair to eliminate conditions detrimental to installation.
- H. Do not commence with the Work until unacceptable conditions are remedied.
- I. Verify that weather barrier is installed over substrate and ready to receive the Work.
- J. If framing preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation prior to commencement of Work.

### 3.2 PREPARATION

## **Manufacturer's Literature and Specifications**

- E. Clean surfaces thoroughly prior to installation.
- F. Prepare surfaces using methods recommended by manufacturer's written requirements.
- G. Protect surrounding work areas and surface during installation.
- H. Repair punctures or tears in weather barrier prior to installation of siding.

### **3.3 WEATHER BARRIER**

- C. See Section 07 25 00, Weather Barriers.
- D. Ensure weather barrier is installed with penetration and junction flashing in accordance with manufacturer's written requirements and the Authorities Having Jurisdiction.

### **3.4 INSTALLATION – PANEL SIDING**

- D. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- E. General:
  - a. Protect siding from Work of other trades.
  - b. Surfaces to be dry prior to installation of weather barriers and siding.
  - c. Reference trim details on Drawings.
  - d. Touch-up cut edges prior to installation.
- F. Flashing:
  - a. Install above door and window trim and casings.
  - b. Install above horizontal trim in field of siding.
  - c. [\_\_\_\_\_].
  - d. [\_\_\_\_\_].

### **3.5 INSTALLATION OF SOFFIT AND VENTED PANELS**

- E. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- F. Panels may be installed as soffit or ceiling over wood or steel framing.
- G. 20-gauge (33 mil) minimum to 16-gauge (54 mil) in compliance with the Authorities Having Jurisdiction.
- H. Additional framing may be necessary to ensure proper fastening of siding.

### **3.6 INSTALLATION OF TRIM BOARDS**

- C. Install in strict accordance with manufacturer's written installation instructions at locations shown on Drawings.
- D. Install flashing around all wall openings.

### **3.7 FINISHING**

## **Manufacturer's Literature and Specifications**

- D. Finish in accordance with paint manufacturer's written application instructions.
- E. Finish unprimed siding with a minimum of one coat of manufacturer approved primer and one coat of 100 percent **[acrylic];[latex]** exterior grade topcoat or two coats of manufacturer approved high quality alkali resistant 100 percent **[acrylic; latex]** exterior grade topcoat within 90-days of installation.
- F. Finish factory primed siding with a minimum of one coat of manufacturer approved high quality 100 percent **[acrylic][latex]** exterior grade paint within 180-days of installation.

### **3.8 CLEANING**

- C. See Section 01 70 00, Execution and Closeout Requirements.
- D. Clean siding in accordance with manufacturer's written instructions using materials and methods acceptable to manufacturer.

### **3.9 PROTECTION**

- C. Protect installed products until date of Substantial Completion.
- D. Touch-up, repair or replace damaged areas prior to date of Substantial Completion.

**END OF SECTION**

# Manufacturer's Literature and Specifications

## Lighting

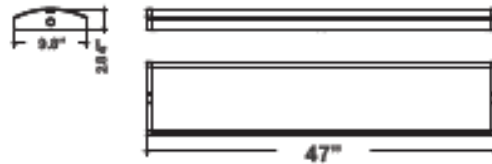
### WAEW Series Commercial Lighting

## WAEW SERIES Commercial Lighting

**WAEW-4FT-30-50W-MCTP-D**  
BUILDER SERIES LED ECONOMY WIDE (10") WRAP-AROUND FIXTURES  
**MCTP** Multi Color Temperature & Multi Power/Wattage (Selectable)

**WESTGATE**  
THE FUTURE IS HERE...AND IT'S QUITE BRIGHT!

Customer Name: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Note: \_\_\_\_\_ Type: \_\_\_\_\_



2.84"(H) x 47"(W) x 9.8"(D)

The Builder Series LED Economy Wide (10") Wrap-Around Fixtures are energy-efficient lighting solutions designed for cost-effective illumination in various settings. These fixtures feature a 10-inch wide wrap-around design for uniform light distribution, making them ideal for commercial, industrial, and residential applications. They offer easy installation, durability, and long-lasting performance, ensuring value and reliability.

## Features

- Housing: Die-formed Cold Rolled Steel With Powder Coated White
- Installation: Ceiling-Mounted
- Lens: Polycarbonate Lens
- MCTP: Multi CCT and Power (Selectable Switch Inside Fixture)

## Technical Specifications

### Electrical:

- Voltage: 120-277V AC 60Hz
- Wattage: 30W/40W/50W
- Factor: >0.99
- Efficacy: 120 LPW

### Mechanical:

- White Finish
- Housing: Die-formed Cold Rolled Steel With Powder Coated White
- Installation: Ceiling-Mounted
- Operating temperature: -22°F~104°F
- 5-Year Warranty

### Lighting:

- Dimmable: 0~10V Dimming
- Lens: Polycarbonate Lens
- Total Lumens: 6000LM Max.
- Color Temperatures: 3000K/4000K/5000K
- Multi-CCT (Selectable Switch Inside Fixture)
- Color Rendering Index: CRI ≥ 82
- Life Span: 50,000 hrs.

### Applications:

- Commercial Spaces: Office buildings, retail stores, and showrooms.
- Educational Facilities: Classrooms, libraries, and hallways.
- Industrial Areas: Workshops, warehouses, and production floors.
- Residential Use: Garages, basements, and utility rooms.
- Healthcare Facilities: Clinics, hospitals, and laboratories.
- Community Areas: Community centers, recreation rooms, and multi-purpose halls.



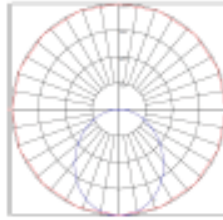
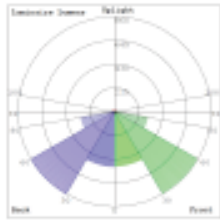
Phone: (877) 805-2252 | Fax: (877) 805-2252  
www.westgateifg.com



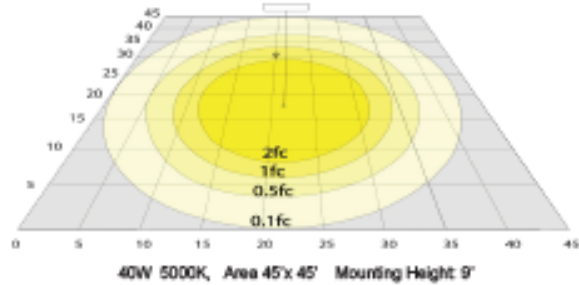
WAEW-30000122

# Manufacturer's Literature and Specifications

## Photometrics: WAEW-4FT-30-50W-MCTP-D



BUD Rating: B1-U2-G1



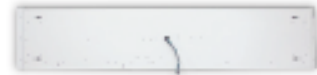
## Other Views:



Side View



Front View



Back View

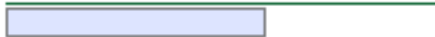
## Performance Table: WAEW-4FT-30-50W-MCTP-D

MODEL NO.	Wattage	Voltage	Lumens	Color Temp.	BUG Rating	LPW
WAEW-4FT-30-50W-MCTP-D	30W	120~277V	3600LM	3000K	B1-U2-G1	120
	40W		4800LM	4000K		
	50W		6000LM	5000K		

## Sample Ordering

Model	Size	Watt	Watt	Color Temp.	Dimming
WAE	4FT	30	50W	MCTP	D

## Accessories:



**Blank** = No Option For Accessories  
**SCL-CSY1-4FT** = ADJ. 8FT 1/16in SINGLE SUSPENSION 5in CANOPY SET WITH Y DOUBLE KEYHOLE END CONNECTORS, NON-POWER SIDE  
**SCL-CSY1P-4FT** = ADJ. 8FT 1/16in SINGLE SUSPENSION 5in CANOPY SET WITH Y DOUBLE KEYHOLE END CONNECTORS, POWER SIDE WITH 3/16in WHITE CORD

## ACCESSORIES:



SCL-CSY1-4FT SCL-CSY1P-4FT

**WESTGATE**


2

Phone: (877) 805-2252 | Fax: (877) 805-2252  
 www.westgateimg.com




# Manufacturer's Literature and Specifications

## Bomber Integrated LED Series



SPS-0452 REV B  
**BOMBER INTEGRATED LED SERIES**

JOB NAME: \_\_\_\_\_ FIXTURE TYPE: \_\_\_\_\_



BLE - A - B - C - D - E - F - G

H - I - J - K - L

Order Example: BLE - G - WHB15 - 100 - G22 - 100 - NA - WC - 100 - NA - 18227 - 2700K - FL

A - MOUNTING STYLE	C - SHADE FINISH (CONTINUED)	D - MOUNTING (CONTINUED)	G - SHADE ACCESSORIES <sup>4</sup>
<p><b>C</b> Cord Hung</p> <p><b>CN</b> Chain Hung</p> <p><b>F</b> Flush Mount</p> <p><b>G</b> <b>Gooseneck</b></p> <p><b>S</b> Stem Mount</p> <hr/> <p><b>B - SHADE SIZE</b></p> <p><b>BOMBER:</b></p> <p>WHB11 11" Shade</p> <p>WHB13 13" Shade</p> <p>WHB15 15" Shade</p> <p>WHB17 17" Shade</p> <hr/> <p><b>C - SHADE FINISH</b></p> <p><b>PORCELAIN FINISHES<sup>1</sup>:</b></p> <p>150 Black</p> <p>250 White</p> <p>350 Vintage Green</p> <p>355 Jadeite</p> <p>455 Cherry Red</p> <p>550 Yellow</p> <p>650 Bronze</p> <p>750 Cobalt Blue</p> <p>765 Delphite Blue</p> <p>850 Graphite</p> <p>950 Metallic Chrome</p> <p><b>POWDER COAT FINISHES<sup>2</sup>:</b></p> <p>100 <b>Black</b></p> <p>105 Textured Black</p> <p>106 Matte Black</p> <p>200 White</p> <p>204 Matte White</p> <p>300 Dark Green</p> <p>307 Emerald Green</p> <p>311 Jadeite</p> <p>370 Mint</p> <p>380 Chartrouse</p> <p>390 Teal</p> <p>400 Barn Red</p> <p>420 Orange</p> <p>470 Watermelon</p> <p>480 Blush Pink</p> <p>490 Magenta</p> <p>495 Sherbet Orange</p> <p>500 Buttery Yellow</p> <p>570 Sunflower</p> <p>600 Bronze</p> <p>601 Chocolate</p> <p>605 Rust</p>	<p><b>POWDER COAT FINISHES<sup>2</sup>:</b></p> <p>615 Oil-Rubbed Bronze</p> <p>700 Royal Blue</p> <p>705 Navy</p> <p>710 Cobalt Blue</p> <p>715 Delphite Blue</p> <p>790 Lavender</p> <p>800 Industrial Grey</p> <p>805 Charcoal Granite</p> <p>810 Graphite</p> <p>975 Galvanized</p> <hr/> <p><b>NATURAL METALS<sup>3</sup>:</b></p> <p>995 Raw Copper</p> <p>996 Weathered Copper</p> <p>997 Raw Brass</p> <p>998 Weathered Brass</p> <p>999 Oil-Rubbed Copper</p> <hr/> <p><b>D - MOUNTING</b></p> <p><b>NA</b> <b>Not Applicable</b></p> <hr/> <p><b>CSA LISTED CORDS:</b></p> <p>SBK Standard Black</p> <p>SWH Standard White</p> <p>CSB Black Cloth</p> <p>CSW White Cloth</p> <p>CMG Grey Cloth</p> <p>CSR Red Cloth</p> <p>CRZ Red Chevron Cloth</p> <p>CSBB Black &amp; Brown Cloth</p> <p>CSRW Red &amp; White Cloth</p> <p>CSGW Gold &amp; White Cloth</p> <p>CSBG Black &amp; Gold Cloth</p> <p>CSBW Black &amp; White Cloth</p> <p>CSBP Black &amp; Pink Cloth</p> <p>CSUW Blue &amp; White Cloth</p> <hr/> <p><b>CHAIN MOUNT OPTIONS<sup>5</sup>:</b></p> <p>CN36 3' of Chain</p> <p>CN48 4' of Chain</p> <p>CN60 5' of Chain</p> <p>CN72 6' of Chain</p>	<p><b>GOOSENECK OPTIONS:</b></p> <p>G1<sup>6</sup> G11<sup>6</sup> <b>G26<sup>6</sup></b></p> <p>G2<sup>6</sup> G12<sup>6</sup> G32</p> <p>G3<sup>6A</sup> G13 G34<sup>6</sup></p> <p>G4<sup>6</sup> G14 G35<sup>6</sup></p> <p>G5<sup>6</sup> <b>G15</b> G36<sup>6</sup></p> <p>G6 G16<sup>6</sup> G64<sup>6</sup></p> <p>G7 G17 G65<sup>6</sup></p> <p>G8 G22</p> <p>G9 G24</p> <p>G10 G25</p> <hr/> <p><b>STEM MOUNT OPTIONS:</b></p> <p>ST506 .5" Stem Mount, 6"</p> <p>ST512 .5" Stem Mount, 12"</p> <p>ST518 .5" Stem Mount, 18"</p> <p>ST524 .5" Stem Mount, 24"</p> <p>ST536 .5" Stem Mount, 36"</p> <p>ST548 .5" Stem Mount, 48"</p> <p>ST706 .75" Stem Mount, 6"</p> <p>ST712 .75" Stem Mount, 12"</p> <p>ST718 .75" Stem Mount, 18"</p> <p>ST724 .75" Stem Mount, 24"</p> <p>ST736 .75" Stem Mount, 36"</p> <p>ST748 .75" Stem Mount, 48"</p> <hr/> <p><b>E - MOUNTING FINISH</b></p> <p><b>980</b> Brushed Aluminum</p> <hr/> <p><b>F - CORDS<sup>4</sup></b></p> <p><b>NA</b> <b>Not Applicable</b></p>	<p><b>NA</b> <b>None</b></p> <p><b>WC</b> Wire Cage</p> <hr/> <p><b>H - SHADE ACCESSORY FINISH</b></p> <p><b>NA</b> <b>Not Applicable</b></p> <hr/> <p><b>I - MOUNTING ACCESSORY</b></p> <p><b>NA</b> <b>None/Not Applicable</b></p> <p><b>HSC</b> Hang Straight Canopy<sup>6*</sup></p> <p><b>LDBPC</b> LED Decorative Backing Plate Cover<sup>6*</sup></p> <p><b>LDCHX</b> LED Decorative Backing Plate Cover &amp; Hex Cover<sup>6*</sup></p> <hr/> <p><b>J - LIGHT SOURCE</b></p> <p><b>LED11</b> 850 Lumen, 11W LED</p> <p><b>LED16</b> 1250 Lumen, 16W LED</p> <p><b>LED27</b> 2000 Lumen, 27W LED<sup>7*</sup></p> <p><b>LED38</b> 3000 Lumen, 38W LED<sup>7*</sup></p> <p><b>LED43</b> 4000 Lumen, 43W LED<sup>7*</sup></p> <hr/> <p><b>K - COLOR TEMPERATURE</b></p> <p>2700K 2700K, Warm White</p> <p>3000K 3000K, Neutral White</p> <p>3500K 3500K, Bright White</p> <p>4000K 4000K, Cool White</p> <hr/> <p><b>L - LED LENS</b></p> <p><b>DL</b> Domed Lens</p> <p><b>FL</b> <b>Flat Lens</b></p>

**IMPORTANT:** (1) All Porcelain Glazed finished shades feature a white interior and a black outer rim. (2) All Powder Coat finished shades, Galvanized excluded, feature a white interior. (3) Natural Metals have a longer estimated manufacturing time, please check the website for exact lead time. There are no returns accepted on Natural Metals. (4) Not available in Natural Metals. (5) Not compatible with 15" shade size and larger. (6) Only applicable if Chain Hung Mounting Style selected in Section A, select NA if another Mounting Style is selected. (7) Only applicable if Stem Mounting Style is selected in Section A. (8) Not available with G2, G4, G11, G12, G15, G16 & G18 Gooseneck option. (9) Only applicable if Gooseneck Mounting style is selected in Section A. (10) Not Applicable if WHB11 is selected in section B.

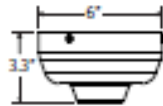
# Manufacturer's Literature and Specifications

BARN LIGHT ELECTRIC CO.

BOMBER INTEGRATED LED SERIES SPS-0452 REV B

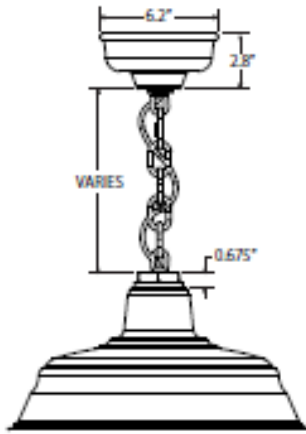
## MOUNTING STYLE

### HIGH LUMEN CANOPY FOR PENDANT & FLUSH MOUNT



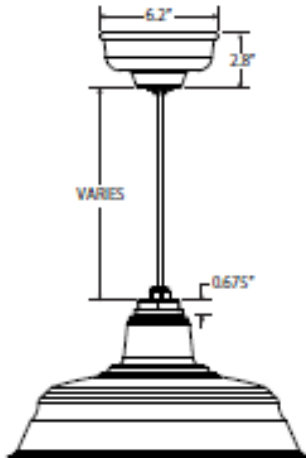
Required if LED 27, 38, 43 Light Source selected in Section J

### CHAIN HUNG PENDANT (CN)



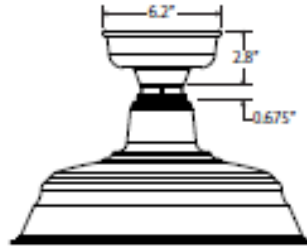
Canopy shown required if LED 11 & 16 Light Source selected in Section J

### CORD HUNG PENDANT (C)



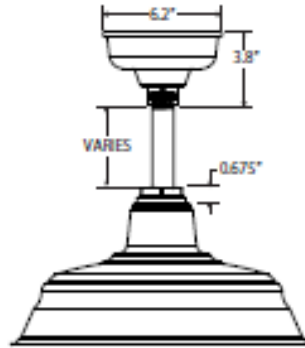
Canopy shown required if LED 11 & 16 Light Source selected in Section J

### FLUSH MOUNT (F)



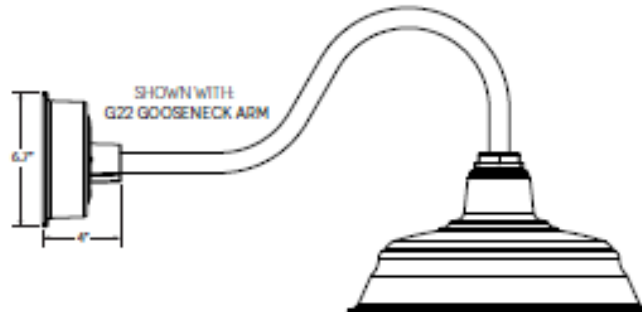
Canopy shown required if LED 11 & 16 Light Source selected in Section J

### STEM MOUNT PENDANT (S)

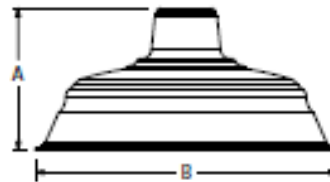


Canopy shown required if LED 11 & 16 Light Source selected in Section J

### GOOSENECK (G)



## LUMINAIRE DIMENSIONS



SHADE CODE	HEIGHT (A)	DIAMETER (B)
WHB11	6"	11"
WHB13	6"	13"
WHB15	7"	15"
WHB17	8.25"	17"

Address: 320 Knox McRae Drive Titusville, FL 32790 Phone: (800) 407-6704 Email: sales@barnlight.com Website: www.barnlight.com

# Manufacturer's Literature and Specifications

BARN LIGHT ELECTRIC CO.

BOMBER INTEGRATED LED SERIES SPS-042 REV B

## LIGHT SOURCE

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. To obtain an IES file specific to your project, please contact the factory.\*

	LUMENS		850		1250		2000		3000		4000	
	Wattage		11		16		27		38		43	
	Optics	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	
WB11	FLAT	842	74	1238	77	-	-	-	-	-	-	
	DOMED	818	72	1203	75	-	-	-	-	-	-	
WB13	FLAT	845	74	1242	77	1992	74	2988	79	3984	92	
	DOMED	821	72	1208	75	1921	71	2881	76	3841	89	
WB15	FLAT	840	74	1236	77	1974	73	2961	78	3948	92	
	DOMED	814	71	1197	75	1889	70	2834	75	3779	88	
WB17	FLAT	836	73	1229	77	1963	73	2944	77	3925	91	
	DOMED	806	71	1186	74	1872	69	2808	74	3744	87	

## SPECIFICATIONS

### CERTIFICATIONS, LISTINGS & WARRANTY

**MADE IN THE USA**  
Manufactured and Hand-Crafted In Our 60,000 Square Foot Facility Located in Titusville, FL

**CSA LISTED FOR WET LOCATIONS**  
Includes All Gooseneck, Stem and Flush Mounting Styles

**CSA LISTED FOR DAMP LOCATIONS**  
Includes All Chain and Select Cord Hung Mounting Styles

**LIMITED WARRANTY**  
For Additional Information on Our Limited Warranty, Please See Our Terms & Conditions

**OPERATING TEMPERATURE**  
-30°C to 40°C

### CONSTRUCTION & FINISH

**POWDER COAT SHADE**  
Hand-Spun from High Purity 3003-O Temper Aluminum

**GALVANIZE SHADE**  
Hand Spun from High Quality Galvanized Steel

**PORCELAIN SHADE**  
Hand-Spun from 20 Gauge Porcelain Steel

**POWDER COAT FINISHES**  
Polyester Powder Coat Finishes Are Electro-Statically Applied and Thermocured

**PORCELAIN FINISHES**  
Applied by Hand and Fired In a High Temperature Oven

**COPPER**  
Hand-Spun from High Purity C11000-060 ETP Copper

### CONSTRUCTION & FINISH (CONTINUED)

**BRASS**  
Hand-Spun from High Purity C2600-060 Brass

**STEM**  
1/2" Nominal (0.84" Actual) or 3/4" Nominal (1.05" Actual) Sch 40, 6063 Aluminum Mounting Stem. Custom Lengths Available upon Request.

**GOOSENECK**  
1/2" Nominal (0.84" Actual) or 3/4" Nominal (1.05" Actual) Sch 40, 6063 Aluminum Gooseneck

**CORD**  
Cord-Hung Pendants Include 7' of Standard Cord or 5' of Cloth Cord, +/- For Socket Orientation

**CHAIN**  
4-Gauge Chain Complete with Quick Link for On-Site Adjustments to Chain's Length

### LED LIGHT SOURCE

**LED TYPE: CREE LMH2 MODULE**

**INITIAL LUMENS DELIVERED: UP TO 4000 LUMENS**

**L90(6K) > 36,300 HOURS**

**AVAILABLE CCT: 2700K, 3000K, 3500K, 4000K**  
Custom Temperatures Available upon Request

**90+ CRI**

**2 STEP MACADAMS ELLIPSE**

**EFFICACY: UP TO 92 LPW**  
High Efficacy Available upon Request, Consult Factory for Additional Information

Address: 320 Knox McRae Drive Titusville, FL 32790 Phone: (800) 407-8794 Email: sales@barnlight.com Website: www.barnlight.com

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# Manufacturer's Literature and Specifications

BARN LIGHT ELECTRIC CO.

BOMBER INTEGRATED LED SERIES SPS-0452 REV B

## SPECIFICATIONS (CONTINUED)

### ELECTRICAL/LED DRIVER

DRIVER TYPE: ERP/ESS/T & ESP/T

POWER FACTOR > 0.9

EFFICIENCY: UP TO 87% TYPICAL

INPUT VOLTAGE: 120-277 VAC (SEE DIMMING SECTION)

CLASS 2 POWER SUPPLY

LED DRIVER LIFETIME: > 100,000 HOURS (@ 25 DEG C AMBIENT)

IP64 MINIMUM RATING CASE WITH SILICONE-BASED POTTING

#### PROTECTIONS

Output Open Load, Over-Current and Short-Circuit (hiccup), and Over-Temperature with Auto Recovery

#### CONDUCTED AND RADIATED EMI

Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac), Class A (277 Vac) and EN55015 (CISPR 15) at 220, 230 and 240 Vac

#### COMPLIANT WITH

Complies with Energy Star® DLR (DesignLight Consortium®) and CA Title 24 Technical Requirements

### DIMMING

#### TRI-MODE DIMMING™

Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V Dimmers

#### DIMMING RANGE 1-100%

The Dimming Range is Dependent on Each Specific Dimmer. May Not Be Able to Achieve 1% Dimming with Some Dimmers.

TRIAC AND ELV DIMMING ONLY AT 120 VAC

ELV DIMMING AT 230 VAC

Available by Request

#### COMPATIBLE DIMMERS

Consult Factory for Additional Information on Dimming

## Manufacturer's Literature and Specifications

### Custom Timber Frame Awning

#### Conceptual Specification Sheet

#### Silver Springs Vintage Warehouse

#### Single-Slope Decorative Entry Awning

### 1. GENERAL DESCRIPTION

The awning is intended as an architectural feature and decorative covered entry element and shall be designed to complement the building façade without obstructing pedestrian or vehicular circulation.

### 2. DESIGN INTENT

The awning shall incorporate:

- Exposed timber framing appearance
- Decorative brackets and/or knee braces
- Single-slope shed roof design
- Clean, simple Florida Vernacular detailing
- Minimal projection where required by site conditions
- Durable exterior-rated materials suitable for Florida climate

#### Conceptual Reference Image – Intended Timber Frame Awning Style



## Manufacturer's Literature and Specifications

### 3. DIMENSIONS (CONCEPTUAL)

Item	Approximate Dimension
Width	10' – 12' (field verify)
Projection	24" – 48" maximum
Roof Slope	2:12 to 4:12
Mounting Height	Coordinate with existing door/header elevations
Clearance	Per applicable code requirements

Final dimensions to be field verified by contractor.

### 4. STRUCTURAL FRAME MATERIALS

#### Timber Components

- Rough sawn or smooth cedar, cypress, pressure-treated pine, Douglas fir, or approved equivalent
- Decorative members may utilize synthetic wood appearance materials where appropriate

#### Minimum Suggested Sizes

Component	Size
Ledger Beam	4x8 nominal
Rafters	4x6 nominal
Decorative Brackets	4x4 or built-up decorative assembly
Trim Members	1x or 2x exterior grade

All wood exposed to weather shall be:

- Exterior rated
- Sealed
- Primed and painted or stained

### 5. ROOFING SYSTEM

#### Acceptable Roofing Materials

- Standing seam metal roofing
- 5V crimp metal roofing
- PBR-panel roofing
- Galvalume finish or Kynar-coated finish

## **Manufacturer's Literature and Specifications**

### **Roofing Color**

To coordinate with approved building color palette and CRA architectural theme.

## **6. FINISHES**

### **Paint / Stain**

- Exterior-grade UV resistant coating
- Color to coordinate with approved base and trim colors

### **Hardware**

- Black powder-coated fasteners and connectors preferred
- Decorative exposed metal fasteners

## **7. MOUNTING REQUIREMENTS**

- Wall-mounted attachment system
- Contractor shall verify structural attachment points
- No exposed unfinished fasteners
- Flashing required at wall connections
- Installation shall prevent water intrusion

## **8. ENGINEERING / CODE REQUIREMENTS**

Contractor shall provide:

- Shop drawings
- Structural attachment details
- Applicable engineering, if required
- Compliance with:
  - Florida Building Code
  - Wind load requirements
  - Marion County permitting requirements

## **9. INSTALLATION REQUIREMENTS**

Contractor shall:

- Field verify all dimensions
- Protect existing façade
- Coordinate with existing signage, lighting, and trim
- Provide all required anchors, flashing, sealants, and trim closures
- Ensure awning drainage does not impact pedestrian or vehicle areas

## **Manufacturer's Literature and Specifications**

### **10. EXCLUSIONS (UNLESS NOTED)**

Unless specifically included in contractor proposal:

- Electrical work
- Signage
- Structural wall modifications
- Permit fees
- Engineering fees
- Painting of existing building

### **11. BASIS OF DESIGN (REFERENCE STYLE)**

Awning shall reflect:

- Florida Vernacular architectural detailing
- Decorative exposed timber appearance
- Minimal projection decorative commercial storefront entry feature
- Consistency with Silver Springs CRA façade enhancement objectives

## Durafence

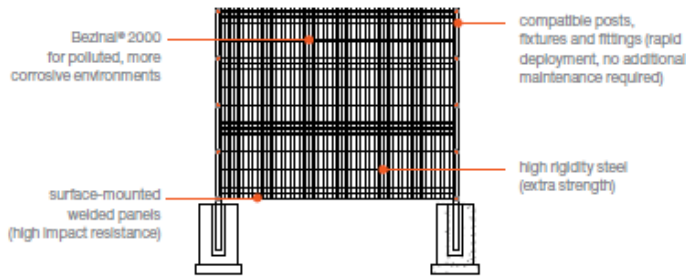
### Benefits

- ① Extra-long service-life
- ② Fully customizable
- ③ Easy to install

Durafence fencing solutions are designed to ward intruders from public and industrial properties and to provide a durable protection against theft, anti-social behavior and vandalism. To secure any perimeter, our portfolio consists of welded mesh panels of various dimensions, with gates and posts to match for quick and efficient installation.



The panels are designed to withstand any kind of abuse; combined coating solutions provide longevity even in the most corrosive, industrial environments, their highly rigid structure resists impact and their narrow spaced wires make them hard to climb.



## Why choose Bekaert?

### The wire drawing and coating specialist

Bekaert has the flexibility, the historical background, and the technical skills to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 135 years and are available in over 120 countries.

### Experienced provider of fencing solutions

Our experience in producing fences for a wide range of purposes enables us to provide you with the best possible solution and technical support. We have the unique ability to control the entire production process of our fences, from wire rod to finished product.

### Your strategic partner

Our global presence means that your products are manufactured to strict international standards of safety and quality. Our local support means that we are at your service at all times.

## Manufacturer's Literature and Specifications

Durafence public and industrial fencing solutions are ideal for securing a variety of applications, including schools, parks, sporting venues, industrial and mining sites and more.

### 3D type fences

Wire diameter: 5mm							
Panel height (mm)	Panel width (mm)	Mesh (mm)	Number of reinforcements per panel	Post types (mm)			
				Square post 60*60*1.5	Square post 60*60*2.0	I post 70*40*1.5	Super I post 100*54.4*1.5
1030	2505	190*50 / 200*50	2	*		*	
1230			2	*		*	
1530			3	*		*	
1730			3	*		*	
2030			4	*	*	*	*
2410			4	*	*	*	*



### 3D M type fences

Wire diameter: 4mm							
Panel height (mm)	Panel width (mm)	Mesh (mm)	Number of reinforcements per panel	Post types (mm)			
				Square post 60*60*1.5	Square post 60*60*2.0	I post 70*40*1.5	Super I post 100*54.4*1.5
1030	2505	190*50 / 100*50	2	*		*	
1230			2	*		*	
1530			3	*		*	
1730			3	*		*	
2030			4	*	*	*	*
2410			4	*	*	*	*



### 2D/2D super type fences

Panel height (mm)	Panel width (mm)	Mesh (mm)	Wire diameters (mm)	Post types (mm)			
				Square post 60*60*1.5	Square post 60*60*2.0	I post 70*40*1.5	Super I post 100*54.4*1.5
1230	2505	200*50	2D Horizontal: 2x6 Vertical: 5	*		*	
1430				*		*	
1630				*		*	
1830				*	*	*	*
2030				*	*	*	*
2430				*	*	*	*

Other dimensions available upon request. Final specifications dependent on fence design.

**Manufacturer's Literature and Specifications**

**Example of Proposed White Durafence**



## Manufacturer's Literature and Specifications

### Platform / Wheelchair Lift

#### PLATFORM / WHEELCHAIR LIFT SPECIFICATION SHEET

#### Conceptual Commercial Lift Specification

#### Manufacturer

#### Custom Carrier Engineering

Location: Apopka, Florida

Office: (407) 814-4867

Mobile: (352) 217-3437

#### 1. GENERAL DESCRIPTION

Provide labor, materials, fabrication, and installation of a custom vertical platform lift (VPL) / wheelchair lift system designed for commercial or residential accessibility applications.

Lift system shall be suitable for ADA accessibility enhancement and low-rise vertical transportation of wheelchair users, mobility-impaired individuals, walkers, and standing passengers.

Lift shall be custom-fabricated to project-specific dimensions and lifting requirements.

#### 2. AVAILABLE MODELS

##### Model 3648B

Most common standard platform lift model.

Specification	Description
Platform Size	36"x48"
Lift Height	48" vertical rise
Capacity	500 lbs
Power	110V household current
Railing Height	33"
Lift Time	Approx. 23 seconds
Overall Dimensions	43" x 58" x 91" H
Lift Weight	Approx. 320 lbs

## Manufacturer's Literature and Specifications

### 3. CUSTOM PLATFORM OPTIONS

Custom Carrier Engineering offers custom lift configurations.

Feature	Range
Platform Sizes	24" x 30" x 48" x 60"
Lift Heights	4 ft to 11 ft
Capacities	500 lbs to 1000 lbs
Voltage	110V standard
Operational Power	12V power unit available

### 4. MATERIALS

Typical lift construction includes:

- Steel platform construction
- Powder-coated steel frame
- Steel safety rails
- Heavy-duty rollers and guide assemblies
- Hydraulic or powered lift mechanism
- Exterior-rated finishes suitable for outdoor use

### 5. ELECTRICAL REQUIREMENTS

Requirement	Specification
Standard Voltage	110V
Circuit	15 amp dedicated recommended
Operation	Household current compatible

### 6. CONTROLS & SAFETY

#### Standard Features

- Hand control with up/down operation
- Start/stop capability at any level
- Upper limit safety switch
- Safety railing system
- Entry configuration flexibility
- Removable access doors (optional)

### 7. CONFIGURATION OPTIONS

Lift may be configured for:

- Front entry
- Side entry

## Manufacturer's Literature and Specifications

- Opposite side entry
- Through-access applications

Platform access may be arranged on multiple sides depending on site conditions.

### 8. INSTALLATION REQUIREMENTS

Contractor shall:

- Verify all site dimensions
- Confirm slab and structural support
- Coordinate electrical requirements
- Install per manufacturer recommendations
- Anchor lift system securely
- Verify code compliance and clearances

### 9. CODE & ACCESSIBILITY

Lift installation shall comply with:

- ADA accessibility requirements
- Florida Building Code
- Applicable local permitting requirements
- ASME A18.1 where applicable

(Verification by installer/engineer recommended.)

### 10. WARRANTY

Component	Warranty
Power Unit	1 Year
Track Rollers	3 Years

### 11. RECOMMENDED COMMERCIAL APPLICATIONS

- ADA accessibility improvements
- Retail storefront accessibility
- Raised entry access
- Commercial low-rise accessibility
- Exterior platform access
- Porch/deck access
- Public accessibility improvements

## **Manufacturer's Literature and Specifications**

### **12. BASIS OF DESIGN**

Lift system shall provide:

- Reliable low-rise accessibility
- Commercial-grade durability
- Simple operation
- Exterior-rated construction
- Compact footprint suitable for retrofit applications
- Compatibility with Florida commercial environments

## Manufacturer's Literature and Specifications

### Signage

#### EXTERIOR SIGNAGE SPECIFICATIONS

##### Silver Springs Vintage Warehouse

##### Signage Specifications

#### 1. GENERAL DESCRIPTION

The proposed signage package for Silver Springs Vintage Warehouse consists of three (3) exterior mounted flat-panel signs fabricated from 3mm MaxMetal™ Aluminum Composite Material (ACM) with full-color digitally printed vinyl graphics and protective laminate finish.

The signage is intended to provide cohesive branding, roadway visibility, and decorative architectural enhancement consistent with the building façade improvements planned for the property.

Reference sign layouts attached.

#### 2. SIGN TYPES & DIMENSIONS

Sign Location	Quantity	Approximate Size	Description
Front Elevation Sign	2	36" H x 192" W (3' x 16')	Primary building identification signage
Side Elevation Sign	1	36" H x 144" W (3' x 12')	Secondary roadside visibility signage

#### 3. MATERIAL SPECIFICATIONS

##### Sign Panel Material

- 3mm MaxMetal™ Aluminum Composite Material (ACM)
- Two pre-painted aluminum faces bonded to polyethylene core
- Matte painted finish, both sides
- Lightweight, rigid, and weather-resistant exterior signage substrate

##### Material Characteristics

- ACM panel thickness: 3mm
- Aluminum face thickness: 0.15mm
- Polyester painted finish
- UL Recognized material
- Suitable for exterior commercial signage applications

## **Manufacturer's Literature and Specifications**

### **Graphic Finish**

- Full-color digital print vinyl applied to face
- Protective laminate finish for UV and weather resistance
- Exterior-rated installation materials and mounting hardware

### **4. DESIGN INTENT**

The signage package is intended to complement the planned vintage-inspired façade improvements while maintaining clean, readable, high-contrast branding visible from the public roadway.

The design incorporates:

- Neutral vintage-inspired color palette
- Simple framed border detailing
- High-contrast typography for readability
- Coordinated branding across all elevations
- Durable low-maintenance materials suitable for Florida climate conditions

### **5. APPLICATIONS OF MATERIAL**

Per manufacturer information, MaxMetal™ ACM signage material is commonly used for:

- Commercial storefront signage
- Dimensional signage
- Wayfinding signage
- Cabinet sign faces
- Exterior site signage

### **6. INSTALLATION**

Installation shall include:

- Mounting of all three (3) sign panels
- Exterior-rated fasteners and mounting methods
- Field verification of mounting locations and dimensions
- Coordination with ongoing façade improvements as needed

Final mounting methods and attachment details to be determined by installer and/or contractor based on existing wall conditions.

## **Manufacturer's Literature and Specifications**

### **7. NOTES**

- Renderings and layouts are conceptual and subject to final fabrication drawings.
- Final field measurements shall be verified prior to fabrication.
- Colors, finishes, and mounting locations may be adjusted during final design coordination.
- Signage intended to support overall façade enhancement and improved commercial visibility from E. Silver Springs Blvd.

### **8. Reference Signs Layout**



# Manufacturer's Literature and Specifications

## Decorative Trellis

### Conceptual Specification Sheet

Silver Springs Vintage Warehouse

#### 1. GENERAL DESCRIPTION

The decorative trellis is intended as an architectural façade enhancement feature designed to provide visual interest, dimensional character, and support the overall aesthetic improvements of the building exterior. The trellis is decorative in nature and is not intended for structural occupancy or climbing use.

#### 2. DESIGN INTENT

The trellis shall incorporate:

- Simple, clean-lined decorative design
- Vertical and horizontal trim detailing consistent with the building façade improvements
- Florida vernacular / vintage market-inspired architectural styling
- Durable exterior-rated materials suitable for Florida climate conditions
- Painted finish coordinated with the approved exterior color palette
- Scaled proportions appropriate to existing façade elements and window spacing

#### 3. LOCATION & CONFIGURATION

The decorative trellis is proposed as a façade-mounted architectural accent element positioned along the front and side elevation of the building. Final placement and dimensions shall be field verified prior to fabrication and installation.

Potential installation areas may include:

- Between storefront windows
- Adjacent to decorative columns
- Within landscaped planter areas
- Accent locations intended to break up large wall expanses

#### 4. DIMENSIONS

Item	Approximate Dimension
Height	6' – 8'
Width	18" – 36"
Depth/Projection	2" – 6"
Lattice Opening Size	Variable decorative spacing

## **Manufacturer's Literature and Specifications**

Final dimensions to be field verified by contractor.

### **5. MATERIALS**

The decorative trellis may be constructed from one or more of the following exterior-rated materials:

- Pressure-treated wood
- PVC/composite trim material
- Hardie/fiber cement compatible framing elements
- Exterior-grade fasteners and mounting hardware

All materials shall be rated for exterior use and suitable for Florida humidity and weather exposure.

### **6. FINISHES**

The trellis shall be painted to coordinate with the approved exterior façade color palette, including:

- Sherwin-Williams "Ibis White" (SW 7000) — accent color

Final finish selections may be adjusted slightly for field coordination and material compatibility.

### **7. INSTALLATION REQUIREMENTS**

- Install securely to existing wall framing or approved mounting surface
- Maintain weather-resistant flashing and sealing at penetrations as required
- Coordinate placement with existing windows, lighting, signage, and façade elements
- Contractor to verify all field conditions prior to fabrication and installation

### **8. PURPOSE OF IMPROVEMENT**

The decorative trellis is intended to enhance the visual appearance of the building façade by adding architectural character, texture, and dimensional interest while supporting the overall storefront revitalization and corridor improvement goals of the project.