



Architectural Specification Section 07460/HAR

NOTE TO SPECIFIER: This is a proprietary specification of James Hardie Building Products written in the Construction Specifiers Institute format. It is important to recognize that these recommendations are neither warranties, explicit or implicit, nor representative of the only method by which siding can be installed. Rather they try to summarize for the designer, installer or developer good building practice and some of the industry standards for the installation of siding which have been developed over a period of time from actual trade practice and the requirements of various building code agencies.

The following specification was developed for use within the jurisdiction of the Local Building Codes. Different or additional standards may be required in other jurisdictions and should be investigated accordingly.

Check with Local Building Code for installation requirements.

1. GENERAL

A. Work under this section is subject to the provisions of the contract documents which in any way affect the work specified herein.

1.1 Scope

A. Furnish and install Prevail® Multifamily Siding Products fiber-cement siding, HardieTrim® fascia and moulding and accessories where shown on drawings or as specified herein.

B. Coordinate this section with interfacing and adjoining work for proper sequence of installation.

Work in other sections affecting this work.

1. Steel framing and bracing 13122
2. Wood framing and bracing 06100
3. Sheathing 06100
4. Insulation 07210

1.2 Quality Assurance

A. Submittals: within sixty (60) days of owner's notice

1. Submit three 6 inch x 6 inch pieces of Prevail claddings in texture and widths shown and specified herein.
2. Submit three copies of specifications, installation data and other pertinent manufacturer's literature.

1.3 Product Handling

A. Stack Prevail claddings on edge or lay flat on a smooth, level surface. Protect edges and corner from chipping. Store sheets under cover and keep dry prior to installing

1.4 Job Conditions

****NOTE TO SPECIFIER**** SELECT ONE, DELETE ALL THAT DO NOT APPLY:

- A. Nominal 2 inch x 4 inch wood framing selected for minimal shrinkage and complying with local building codes, including the use of weather-resistive barriers and/or vapor barriers where required. Minimum 1 ½ inch face and straight, true, of uniform dimensions and properly aligned.
- B. Install weather-resistive barriers and claddings to dry surfaces.
- C. Repair any punctures or tears in the weather-resistive barrier prior to the installation of the siding.
- D. Protect siding from other trades.

****OR****

- A. Minimum 20 gauge 3 5/8 inch C-Stud 16 inch maximum on center or 16 gauge 3 5/8 inch C-Stud 24 inch maximum on center metal framing complying with local building codes, including the use of weather-resistive barriers and/or vapor barriers where required. Minimum 1½” inch face and straight, true, of uniform dimensions and properly aligned.
- B. Install weather-resistive barriers and claddings to dry surfaces.
- C. Repair any punctures or tears in the weather-resistive barrier prior to the installation of the siding
- D. Protect siding from other trades.
- E.

1.5 Warranty

A. James Hardie Building Products Inc. (“Hardie”) warrants, for a period of twenty-five (25) years (the “Limited Warranty Period”) from the date of purchase or installation of Prevail® MultiFamily Siding Products (the “Product”) that such purchased Product complies with ASTM C1186 and is free from defects in material and workmanship.

NOTE TO SPECIFIER: Insert appropriate number of years.

B. Workmanship: application limited warranty for ____ years.

2. PRODUCTS

2.1. Prevail Multifamily Siding Products

- A. Fiber-cement Siding - complies with ASTM C 1186 Type A Grade II.
- B. Fiber-cement Siding - complies with ASTM E 136 as a noncombustible material.
- C. Fiber-cement Siding - complies with ASTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5.
- D. Warnock Hersey Product Listing.
- E. Florida State Product Approval FL13709.
- F. Texas Department of Insurance Product Evaluation EC-23.

NOTE TO SPECIFIER: SELECT TYPES, DELETE ALL THAT DO NOT APPLY

PREVAIL® LAP SIDING

| | |
|-----------|-----------------|
| THICKNESS | 5/16" |
| TEXTURED | 6¼" W, 5" EXP |
| | 7½" W, 6¼" EXP |
| | 8¼" W, 7" EXP |
| | 9½" W, 8¼" EXP |
| | 12" W, 10¾" EXP |
| SMOOTH | 8¼" W, 7" EXP |
| | 7¼" W, 6" EXP |

PREVAIL PANEL SIDING

| | |
|-----------|----------|
| THICKNESS | 5/16" |
| TEXTURED | 4' X 8' |
| SMOOTH | 4' X 10' |
| | 4' X 8' |

NOTE TO SPECIFIER: REFER TO APPLICABLE BUILDING CODE COMPLIANCE REPORTS FOR MAXIMUM BASIC WIND SPEED FOR EXPOSURE CATEGORY AND/OR APPLICABLE SHEAR VALUES AND SELECT ONE FASTENER, DELETE ALL THAT DO NOT APPLY:

- A. Wood framing: 4d common corrosion resistant nails.
****OR****
- A. Wood framing: 6d common corrosion resistant nails.
****OR****
- A. Wood framing: 0.089" shank x 0.221" head x 2" corrosion resistant siding nails.
****OR****
- A. Wood framing: 0.093" shank x 0.222" head x 2" corrosion resistant siding nails.
****OR****
- A. Wood framing: 0.091" shank x 0.221" head x 1 ½" corrosion resistant siding nails.
****OR****
- A. Wood framing: 0.091" shank x 0.225" head x 1 ½" corrosion resistant siding nails.
****OR****
- A. Wood framing: 0.121" shank x 0.371" head x 1 ¼" corrosion resistant siding nails.
****OR****
- A. Wood framing: 1 ¼" corrosion resistant roofing nails.
****OR****
- A. Wood framing: 1 ½" corrosion resistant roofing nails.
****OR****
- A. Metal framing: 1 ¼" No. 8-18 x 0.375" head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
****OR****
- A. Metal framing: 1 5/8" No. 8-18 x 0.323" head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
****OR****
- A. Metal framing: 1" No. 8-18 x 0.323" head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
****OR****
- A. Metal framing: 1" No. 8-18 x 0.311" head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
****OR****
- A. Concrete Walls: Erico Stud Nail, ET&F ASM No.-144-125, 0.14" shank x 0.30" head x 2" corrosion resistant nail.

NOTE TO SPECIFIER: When fastening through maximum 1 inch thick foam insulation, increase the length of the fastener by the thickness of insulation.

3. EXECUTION

3.1 Surface Conditions

- A. Correct conditions detrimental to timely and proper completion of work.

3.2 Installation – Prevail Lap Siding

NOTE TO SPECIFIER: Local building code may permit the use of “water-repellent panel sheathing” instead of a “building paper type” weather-resistive barrier. However, the manufacturer recommends the use of a “building paper type” weather-resistive barrier in all siding applications. A vapor barrier may also be required.

NOTE TO SPECIFIER: Prevail Lap Siding may be installed either directly to the structural framing or up to 9½ inch siding may be face nailed on minimum 7/16 inch OSB or equivalent sheathing.

- A. Starting: Install a minimum ¼ inch thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1 ¼ inch wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
- B. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.
- C. Align vertical joints of the planks over framing members.
- D. Maintain clearance between siding and adjacent finished grade.
- E. Locate splices at least one stud cavity away from window and door openings.
- F. Use off-stud metal joiner when vertical joints occur between framing members. Position metal joiner so that the bottom lip is resting on the solid course of planks. Fasten plank to the framing. Position and fasten abutting plank into place insuring that the lower edges of the two planks align. Locate metal joiner centrally behind the joint. Locate off-stud splices a minimum of two stud cavities from wall corners and stagger all subsequent course splices at minimum 24 inch intervals when located in the same wall cavity.
- G. Wind Resistance: Where a specified level of wind resistance is required HardiePlank® lap siding is installed to framing members and secured with fasteners described in Table No. 2 in National Evaluation Service Report No. NER-405.

****OR****

- C. Face nail to sheathing.
- D. Locate splices at least 12 inches away from window and door openings.
- E. Wind resistance: Where a specified level of wind resistance is required Hardieplank lap siding is installed to framing members and secured with fasteners described in Table No. 2 in National Evaluation Service Report No. NER-405

3.3 Installation Prevail Panel Siding

NOTE TO SPECIFIER: Local building code may permit the use of “water-repellent panel sheathing” instead of a “building paper type” weather-resistive barrier. However, the manufacturer recommends the use of a “building paper type” weather-resistive barrier in all siding applications. A vapor barrier may also be required.

- A. Block framing between studs where HardiePanel® siding horizontal joints occur.
- B. Place fasteners no closer than 3/8 inch from panel edges and 2 inch from panel corners.
- C. Allow minimum 1 inch vertical clearance between roofing and bottom edge of siding.
- D. Maintain clearance between siding and adjacent finished grade.
- E. Specific framing and fastener requirements refer to Tables 2 and 3 in National Evaluation Service Report No. NER-405.

3.4 Finishing

NOTE TO SPECIFIER: Certain geographic areas allow minimum single coat of 100% acrylic or latex exterior grade, high quality alkali-resistant paint on unprimed product. James Hardie recommends, minimum one coat primer plus one topcoat or two topcoats for best results. SELECT ONE, DELETE ALL THAT DO NOT APPLY

- A. Finish unprimed siding with minimum one coat high quality, alkali-resistant primer and one coat of either 100% acrylic or latex or oil based, exterior grade topcoat or two coats high quality, alkali-resistant, 100% acrylic or latex, exterior grade topcoat within 90 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.

****OR****

- A. Finish Prevail Siding Products with minimum one coat high quality, either 100% acrylic or latex or oil based exterior grade paint within 180 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.