



INTERNATIONAL, FLORIDA AND CALIFORNIA BUILDING CODE ENGINEERING EVALUATION REPORT

Report Number | 0064-22
Client | Davinci Roofscapes, LLC
Address | 13890 W 101 St, Lenexa, KS 66215

Issue Date | 2026-09-24
Issue Number | 6-6136
Expiry Date | 2027-12-31

Subject

Westlake DaVinci Handsplit Shake Siding.

Evaluation Scope

This report is provided to assist registered design professionals and building officials in the United States for determining compliance to the performance objectives in the named building codes. The product(s) described herein have been evaluated to the:

2024 International Building Code (IBC); **2024 International Residential Code (IRC).**
2026 Florida Building Code (FBC); **2026 Florida Residential Code (FBC-R);**
2025 California Building Code (CBC); **2025 California Residential Code (CRC);**

CSI DIVISION: 07 00 00 THERMAL AND MOISTURE PROTECTION

SUBDIVISION: 07 46 33 Plastic Siding

IBC CATEGORY: Panel Walls

SUB-CATEGORY: Siding

CODE SECTIONS AND STANDARDS

IBC Section	Description	Referenced Standard or Code Section ¹	Year
1402.2	Weather Protection	ASTM E331	2000(16)
1402.3	Wind Resistance	IBC Ch 16	-
1403.11	Polypropylene Siding	ASTM D7254	2021
1403.11.1	Flame Spread Index	ASTM E84	2021a
1404.1	Installation of Wall Coverings, General (HVHZ)	-	-
1404.2	Weather Protection	-	-
1404.18	Polypropylene Siding	IBC Ch 16	-
1609.1.1	Determination of Wind Loads	ASCE 7	2022
1709.2	Load Test Procedures Specified	ASTM D7254	2021
2606.4	Burning Rate, Specifications	ASTM D635	2018
2606.4	Self-Ignition Temperature, Specifications	ASTM D1929	2020
2606.4	Smoke Density, Specifications	ASTM E84	2021a
2606.5	Structural Requirements	IBC Ch 16	-
2606.6	Fastening	IBC Ch 16	-



IRC Section	Description	Referenced Standard or Code Section ¹	Year
R703.1.1	Water Resistance	ASTM E331	2000(16)
R703.1.2	Wind Resistance	ASTM E330	2014(21)
R703.1.2	Wind Resistance	Tables R301.2.1(1) & R301.2.1(2)	-
Table R703.3(1)	Siding Minimum Attachment and Minimum Thickness	IRC Section R703.14.1	-
R703.14	Polypropylene Siding	ASTM D7254	2021
R703.14.3	Flame Spread Index	ASTM E84	2021a

1. Only the applicable reference standards and code sections cited in the main body text are listed. (-) indicates that the main body text covers the full explanation of the objective.

COMPLIANCE STATEMENT

It is the opinion of Boca Engineering Co. that DaVinci Handsplit Shake Siding, when installed as described in this report, has demonstrated compliance with the listed sections of the 2024 International Building Code (IBC), 2024 International Residential Code (IRC), 2026 Florida Building Code (FBC), 2026 Florida Residential Code (FBC-R), 2025 California Building Code (CBC), 2025 California Residential Code (CRC), inclusive of the requirements for High Velocity Hurricane Zone (HVHZ), through testing in accordance with the listed standards. Design and performance information can be found in the Product Evaluation section in this report.

This report has been prepared and reviewed on behalf of Boca Engineering Co. by:

Christopher Bowness, P.Eng., P.E.

2026-09-24

Issue Date

2027-12-31

Expiry Date



EVALUATION REPORT TERMS

- This report is a general evaluation of the building code section requirements as identified and applies only to the samples that were evaluated. It does not imply any endorsement or warranty, nor that the signatory Engineer is the Designer of Record of any construction project for which the information is used.
- This Evaluation Report expires Dec. 31, 2027, open to renewal. Up to the renewal date, the report is valid until such time as the named product(s) changes, the Quality Assurance Agency changes, or provisions of the Code that relate to the product change.

CERTIFICATION OF INDEPENDENCE

- Boca Engineering Co., its employees and shareholders, do not have, nor do they intend to or will acquire, a financial interest in any company manufacturing or distributing products that they evaluate.
- Boca Engineering Co. is not owned, operated, or controlled by any company manufacturing or distributing products that they evaluate.



Contents

	pg.
Product Evaluation	4
1.0 PRODUCT DESCRIPTION	4
1.1 MATERIAL PROPERTIES	4
2.0 INSTALLATION	4
3.0 CODE SECTIONS REVIEW	4
4.0 LIMITATIONS	6
5.0 FIRE CLASSIFICATION	6
6.0 QUALITY ASSURANCE ENTITY, MANUFACTURING PLANTS, AND LABELING	7
7.0 REFERENCE TESTING AND EVALUATION DOCUMENTS	7
Attachments	8
ATTACHMENT 1: MATERIAL PROPERTIES	8
ATTACHMENT 2: WIND PRESSURE AND WIND SPEED TABLES	9
ATTACHMENT 3: ASSEMBLY DIAGRAMS	11
ATTACHMENT 4: FLORIDA TO INTERNATIONAL CODE CROSS-REFERENCES	19
ADDITIONAL LIMITATIONS: FLORIDA BUILDING CODE (FBC) ONLY	21
ATTACHMENT 5: CALIFORNIA TO INTERNATIONAL CODE CROSS-REFERENCES	22



Product Evaluation

1.0 PRODUCT DESCRIPTION

DaVinci Handsplit Shake Siding is manufactured by injection molding of a polymer blend in to individual shakes. The shakes are 8 or 10 inches wide by 18 inches long, thickness at head end is 0.25 inches and at the butt end 0.625 inches, and each weigh 680g or 850g, respectively. Shakes are nailed to wood sheathing or straps of exterior wall construction in overlapping courses with an exposed face of 6, 7 or 8 inches, and serve as exterior wall cladding.

1.1 MATERIAL PROPERTIES

The material properties can be found in *ATTACHMENT 1: MATERIAL PROPERTIES*.

2.0 INSTALLATION

The cladding systems as described in Section 1.0 *PRODUCT DESCRIPTION* shall be installed in accordance with the manufacturer's installation instructions, the respective State building code, and are subject to the limitations in section 4.0 *LIMITATIONS*.

3.0 CODE SECTIONS REVIEW

<u>IBC Section</u>	<u>Description</u>
1402.2	Weather Protection A representative wall construction assembly with DaVinci Handsplit Shake siding installed on wood frame construction with a water-resistive barrier and flashing as described in this evaluation report has been tested to ASTM E331, under the conditions of IBC 1402.2 Exception 2. The tested assembly meets the criteria and conforms to this code section.
1402.3	Structural The structural design loads described in this report are in accordance with Ch 16 of the IBC.
1403.11	Polypropylene Siding DaVinci Handsplit Shake Siding has been tested and certified and is labeled as conforming with ASTM D7254 by an approved quality agency, see <i>Section 6</i> of this report.
1403.11.1	Flame Spread Index The ASTM E84 flame spread test report cited in <i>Section 9</i> states that the test specimen ahead of the flame front remained in position during the test.
1404.1	Installation of Wall Coverings, General General installation instructions comply with the provisions of this section. The HVHZ assemblies comply with TAS 202 and 203, see this report commentary to FBC 1625 & 1626 in ATTACHMENT 4: FLORIDA TO INTERNATIONAL CODE CROSS-REFERENCES.
1404.2	Weather Protection DaVinci Handsplit Shake Siding has been tested for its wind resistance and water penetration resistance in accordance with ASTM E330 and ASTM E331, the HVHZ assemblies also comply with TAS 202 and TAS 203.
1404.18	Polypropylene Siding



Tests and calculations to IBC Ch 16 have been conducted with the siding installation details presented in this report, for allowance per IBC 1404.18 to be permitted for use in installations where basic wind speed exceeds 100 mph and building height exceeds 40 ft. See *Attachment 1*, Tables 1 and 2, of this report.

1609.1.1 Determination of Wind Loads

Wind load pressure (psf) applied to the cladding for use with the design values published in this report are determined in accordance with Chapter 30 of ASCE 7.

1709.2 Load Test Procedures Specified

The load test procedure and load factors in IBC referenced standards ASTM D7254 and ASTM E330 were used.

2606.4 Burning Rate

DaVinci Handsplit Shake Siding materials have been tested to ASTM D635 and qualify as a Class CC2.

2606.4 Self-Ignition Temperature

DaVinci Handsplit Shake Siding materials have been tested to ASTM D1929 and have a self-ignition temperature of greater than 650°F.

2606.4 Smoke Density

DaVinci Handsplit Shake Siding materials have been tested to ASTM E84 in the manner intended for use and found to have a smoke density of less than 450.

2606.5 Structural Requirements

Various representative wall construction assembly with DaVinci Handsplit Shake siding installed on wood frame construction with a water-resistive barrier and flashing as described in this evaluation report has been tested in accordance to ASCE 7. See *Attachment 2*, Table 2 for configurations and maximum allowable pressure loads.

2606.6 Fastening

A representative wall construction assembly with DaVinci Handsplit Shake siding with various fastening configurations has been tested in accordance to ASCE 7. See *Attachment 2*, Table 2 for configurations and maximum allowable pressure loads.

IRC Section

Description

R703.1.1

Water Resistance

Same as this report commentary to IBC 1402.2.

R703.1.2

Wind Resistance

The load test procedure and load factors in IBC referenced standards ASTM D7254 and ASTM E330 were used to determine allowable wind pressure.

R703.1.2

Wind Resistance

Allowable wind pressure values published in this report may be used with Tables R301.2.1(1) and



R301.2.1(2) for walls using an effective wind area of 10 square feet.

Table R703.3(1) Siding Minimum Attachment and Minimum Thickness

Directs to IRC Section 703.14.1 and manufacturer's testing reports for details of attachment.

R703.14 Polypropylene Siding

Same as this report commentary to IBC 1403.11.

R703.14.3 Flame Spread Index

Same as this report commentary to IBC 1403.11.1.

4.0 LIMITATIONS

1. This Evaluation is for the base code requirements of the building system as addressed in this report. In some building applications, additional performance objectives may be required by Code which must be addressed in the building design for those specific cases.
2. Design calculations, drawings, and special inspections are to be furnished for building projects by registered professionals as required by the respective jurisdictional authorities and Codes.
3. Wall assemblies with DaVinci Handsplit Shake siding, to achieve the wall assembly performance standards as stated in this report, must be constructed with the components of water-resistive barrier per IBC 1403.2 or R703.2, and flashing per IBC 1404.4 or R703.4.
4. Wall framing and sheathing to which the siding is attached must be designed and installed for the applicable wind pressure and other climate and occupancy loads as required by Code for the construction project. Where framing and sheathing details are provided in this report, they are representing the minimum tested or calculated materials for the required strength of attachment for the wall cladding. The wall framing structural design and performance is outside the scope of this report.
5. DaVinci Handsplit Shake Siding is considered as a flexible finish with wall deflection limit of $L/120$ in accordance with IBC Table 1604.3.
6. Water-resistive barrier is not required for exterior concrete or masonry wall construction.
7. DaVinci Handsplit Shake siding used in light-framed wall construction, non-HVHZ, shall be installed over and attached to wood structural panel sheathing with minimum thickness of $7/16$ inch.
8. Where wall construction is concrete or masonry, siding shall be nailed to wood straps that are securely fastened to the solid wall to transfer all loads back to the primary structure.
9. Scope of evaluation does not include siding applications where interior or exterior wall Fire Resistance rating is required.
10. Installations are limited to exterior walls construction, in accordance with IBC 1404.18.
11. In accordance with IBC 1403.11.2, the fire separation distance between a building with DaVinci Handsplit Shake siding and the adjacent building shall be not less than 10 feet, for applications under the IBC.
12. In accordance with IRC R703.14.2, DaVinci Handsplit Shake siding shall not be installed on walls with a fire separation distance of less than 5 feet (1524 mm) and walls closer than 10 feet (3048 mm) to a building on another lot, for applications under the IRC.

5.0 FIRE CLASSIFICATION

Summary of fire performance classifications found by testing to code referenced standards:

ASTM E84: Flame Spread Index (FSI): < 200, Smoke Developed Index (SDI): < 450, Class C

ASTM D635: Burning Rate: < 2.5 in/min, Class CC2

ASTM D1929: Self-Ignition Temperature: > 650 °F



6.0 QUALITY ASSURANCE ENTITY, MANUFACTURING PLANTS, AND LABELING

The products evaluated in this report are surveyed at the approved manufacturing location: Lenexa, KS. with third-party quality assurance inspections and product certification labeling by QAI Laboratories, Inc. Labeling shall be in accordance with the requirements of the IBC, FBC, CBC, and the Accredited Quality Assurance Agency.

7.0 REFERENCE TESTING AND EVALUATION DOCUMENTS

<u>Entity</u>	<u>Entity Accreditation¹</u>	<u>Standards</u>	<u>Report No.</u>	<u>Issued Date</u>
Intertek	IAS TL-274	ASTM E331	104048986COQ-001	2020-02-10
QAI	IAS TL-220	ASTM D7254	RJ6566P-5	2019-05-17
QAI	IAS TL-220	ASTM E84	RJ6566F-1	2019-04-19
QAI	IAS TL-220	TAS 202	RJ6566P-7	2019-10-28
QAI	IAS TL-220	TAS 203	RJ6566P-7	2019-10-28
Intertek	IAS TL-274	ASTM E330	104048986COQ-003(A-E)	2020-02-12
Intertek	IAS TL-274	ASTM D5206	104048986COQ-003(F-J)	2020-02-21
Intertek	IAS TL-274	ASTM D635	104011548-004 RO	2019-10-16
Intertek	IAS TL-274	ASTM D1929	104011548-003 RO	2019-10-15
Intertek	IAS TL-274	ASTM G155	104011548-001	2019-08-21
PRI	IAS TL-189	ASTM D638	DRM-156-02-01	2015-12-02
QAI	IAS AA-723	Quality Assurance	B0150-2	2026-09-24

1. Testing, certification, evaluation, and inspection agencies referenced have been verified to be accredited by the International Accreditation Service (www.iasonline.org) for the applicable scope, in good standing on the date of the evaluation, in accordance with ISO 17025 and ISO 17020 international standards for testing and inspection bodies.



Attachments

ATTACHMENT 1: MATERIAL PROPERTIES

Table 1: DaVinci Siding Physical Properties					
Property	Standard	Result	Requirement		Compliance
General Material Properties					
Impact Strength (in.-lbf)	ASTM D7254	88 in.-lbf	≥	35	Pass
Average Ultimate Load of Panel (psf)	ASTM D5206	119 psf	≥	16.2	Pass
Flame Spread Index	ASTM E84	120	≤	200	Pass
Spontaneous Ignition Temperature (°F)	ASTM D1929	747 °F	≤	650	Pass
Linear Burn Rate (in/min)	ASTM D635	0.6 in/min	≤	2.5	Pass
Average Smoke Density	ASTM D2843	8	≤	75	Pass
Smoke Developed Index	ASTM E84	400	≤	450	Pass
Tensile Strength (psi)	ASTM D638	1015 psi	Report Value		Pass
Tensile Strength After Heat Aging for 60 days at 176 °F Temperature (% of As Received)	ASTM D638	99 %	≥	80 ²	Pass
Flexural Strength after 5000-hrs of Accelerated Weathering (% of As Received)	ASTM G155 ASTM D790	96 %	≥	90 ²	Pass
Wall Assembly Tests, Regional Codes ¹					
Florida High Velocity Hurricane Zone (HVHZ) Maximum Deflection and Permanent Deformation	TAS 202	90 psf	1.5x Design pressure without failure		Pass
Florida High Velocity Hurricane Zone (HVHZ) Recovery Over Maximum Deflection (%)	TAS 203	94 %	≥	90	Pass
Californian Wildland Urban Interface - Flame Penetration and Glowing Combustion	SFM 12-7A-1	Absence of flame penetration and glowing combustion	Absence of flame penetration and glowing combustion at 60-min duration		Pass
Wall Assembly Tests, Performance Values ¹					
Avg. Ultimate Wind Resistance (psf)	ASTM E330/D5206	Allowable (ASD) values of 41 – 104.5 psf, dependent on assembly details and installation conditions			
Avg. Ultimate Wind Speed Resistance (mph)	ASCE 7	123 – 210 mph at heights of 15 – 60 ft, dependent on assembly details and installation conditions			
Drainage Efficiency (%)	ASTM E2273	90.3 % drainage efficiency with polymeric mesh rainscreen and 15 lb felt wall exterior			
Water Penetration Resistance	ASTM E331	No leakage observed after 2-hr pressurized rain exposure, assembly test per IBC 1402.2			
Ignitability (20 minute test)	NFPA 268	No Sustained Flaming occurred, passed			

1. Wall assembly tests results are dependent on installation components and environmental conditions consistent with tested details. See DaVinci's document library of Engineering and Certifications reports for further details.
2. Typical acceptable % retention of strength after aging values.

ATTACHMENT 2: WIND PRESSURE AND WIND SPEED TABLES

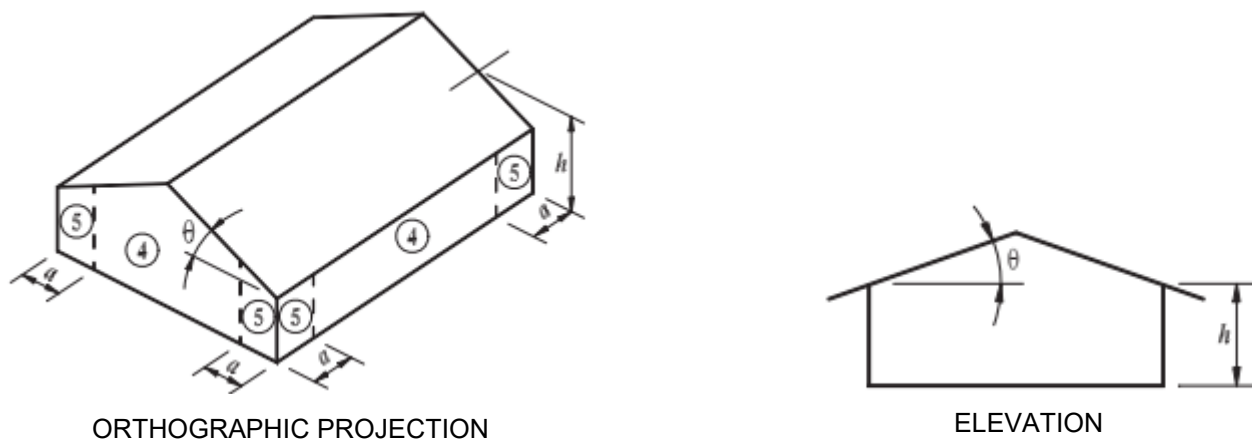
User's Guide to DaVinci Siding Wind Pressure and Wind Speed Tables:

The DaVinci siding wind pressures and wind speed conversion tables have been developed to assist users in determining appropriate installation details for a range of wall construction components, building dimension plans, and site and environmental conditions.

Wind speed conversion tables have been prepared following design methodology of ASCE 7-22, Ch. 30.3, for low-rise buildings with maximum height of 60 ft, for enclosed buildings with topographic and elevation factors set to unity. These settings are typical of many installations, and consistent with the prescriptive approach used in IRC Table R301.2.1(1) and FBC-R Table R301.2(2). All conditions must be consistent with Table Notes 1-15 and the details within the wind speed conversion tables to be considered valid. If the actual site, building dimension or climatic conditions (including the given variables) differ from those prescribed, the allowable pressure values may be used to calculate adjusted wind speed limits.

For building heights over 60 ft, the Allowable Pressure (ASD) values listed in the wind uplift tables may be used by a licensed design professional to calculate ultimate wind speed and/or allowable height, for the given product installation detail and building project conditions.

At any building height, when the Allowable Pressure (ASD) has been pre-determined by the designer or building official, the user only needs to check that the installation detail is shown as capable of that pressure or greater.



a = 10% of least horizontal dimension or $0.4h$, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m).

Exception: For buildings with $\theta = 0^\circ$ to 7° and a least horizontal dimension greater than 300 ft (90 m), dimension a shall be limited to a maximum of $0.8h$.

h = Mean roof height, in ft (m), except that eave height shall be used for $\theta \leq 10^\circ$.

θ = Angle of plane of roof from horizontal, in degrees.

Figure 1. Wind Pressure Diagrams as Represented in ASCE 7-22 for use in conjunction with Tables 2, 3, 4.



Tables 2, 3, 4 Notes:

- 1) Table limiting heights and wind velocity values are for low-rise buildings of maximum 60 ft height, developed in accordance with ASCE 7-22, Table 30.3-1. Design input values: $GC_p = -1.1$ (Zone 4), -1.4 (Zone 5), $GC_{pi} = 0.18$, $K_{zt} = 1$, $K_d = 0.85$, $K_e = 1$, $I_w = 1.0$.
- 2) To convert to Factored Design Resistance Pressure (psf) (LRFD), multiply Allowable Pressure (psf) (ASD) by 1.67.
- 3) Wind speed conversion corresponds to the maximum Zone 4 and Zone 5 pressure with effective area of 10 ft². Table wind speeds are only valid under the design conditions stated. For other site conditions and/or building dimensions, designers can use the published Allowable Pressure (psf) (ASD) to determine allowable wind speeds with IRC Table R301.2.1(1) and FBC-R Table R301.2(2), or calculations to IBC and FBC Ch 16.
- 4) Allowable pressure (psf) (ASD) represents tested assembly ultimate pressure divided by safety factor of 2.
- 5) Wood framing species SPF No. 2 or better. Members may be substituted with i) any larger section dimension of the same material, and/or, ii) any species/grade of 0.42 specific gravity or greater.
- 6) Steel framing dimensions 1-5/8" x 3-5/8", with minimum yield strength of 33 ksi and 18 ga (43 mil) thickness. The framing members may be substituted with i) any larger section dimension of the same material, and/or, ii) any greater yield strength and/or gauge thickness.
- 7) Plywood Sheathing: Min. 15/32, 0.42 SG, 4-ply Exposure 1, complying with NIST DOC PS 2. Plywood sheathing may be substituted with thicker profile of up to nominal 1-inch, and any specific gravity greater than 0.42.
- 8) OSB Sheathing: Min. 7/16, Exposure 1, complying with NIST DOC PS 2. OSB sheathing may be substituted with thicker profile of up to nominal 1-inch.
- 9) Gypsum sheathing must comply with ASTM C1396 and be rated by the manufacturer for exterior use; gypsum thickness may not be increased.
- 10) All fasteners are to be corrosion resistant. Nails must comply with ASTM F1667 and are to be of common or box type. Siding nail to have minimum head diameter of 3/4-inch, roofing nail to have minimum diameter of 3/8-inch.
- 11) Allowable pressure (psf) (ASD) for assemblies in HVHZ determined in accordance with TAS 202 and 203.
- 12) Further assembly details provided in Attachment 3: Assembly Diagrams are to be followed.
- 13) Wind exposure categories as defined in ASCE 7-22, section 26.7.
- 14) Interpolation not permitted. For heights in between those listed, use next highest height column.
- 15) The wall structure must be designed to limit the deflection at the actual design wind load to no greater than L/120 in accordance with IBC Table 1604.3.
- 16) The structural framing and sheathing shall be designed and anchored to provide lateral bracing and properly transfer all loads to the structure. Framing design and installation is the responsibility of the engineer or architect of record for the project of installation.

Table 2: Assembly Configurations for Handsplit Shake Siding^{1,12,15,16}

System No.	Min. Framing ^{5,6}	Min. Sheathing ^{7,8,9}	Fastening ¹⁰	Max Allowable Design Pressure (ASD) (psf) ^{2,4}
Non-HVHZ				
1	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	15/32 Plywood	Two (2) per shake, 5d 1.75-inch galv. siding nail	57.5
2	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	15/32 Plywood	Two (2) per shake, 11ga 1.75-inch galv. ring-shank roofing nail	104.5
3	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	15/32 Plywood w/ mesh rainscreen	Two (2) per shake, 6d 2-inch galv. siding nail	55
4	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	7/16 OSB	Two (2) per shake, 5d 1.75-inch galv. siding nail	43
5	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	7/16 OSB	Two (2) per shake, 11ga 1.75-inch galv. ring-shank roofing nail	90
6	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	7/16 OSB w/ mesh rainscreen	Two (2) per shake, 6d 2-inch galv. siding nail	41
7	Nom. 2 x 4 wood stud or steel stud @ 16-in o/c	7/16 OSB w/ 5/8 ext. gypsum ⁹	Two (2) per shake, 6d 2-inch galv. siding nail	71
8	CMU Block or Solid Concrete Wall	Nom. 1x3 P.T. SPF No. 2 Straps	Two (2) per shake, 5d 1.75-inch galv. siding nail	69
HVHZ¹¹				
9	Nom. 2 x 4 wood stud @ 16-in o/c	5/8 D-Fir 5-ply Ext plywood	Two (2) per shake, 11ga 1.75-inch galv. ring-shank roofing nail	90

- Assembly Wind Load Values Tables Begin on Next Page -



Table 3: Maximum Wind Speeds of Wall Cladding Installed at Various Building Heights and Exposure Categories – 2026 FBC Non-HVHZ, 2025 CBC, and 2024 IBC¹

System No. ¹²	Allowable Pressure (psf) (ASD) ^{2,4}	Exposure Category ¹³	ZONE 5 (CORNER) ³								ZONE 4 (FIELD) ³							
			Maximum Wind Speed V_{ult} (mph)								Maximum Wind Speed V_{ult} (mph)							
			Building Height (ft) ¹⁴								Building Height (ft) ¹⁴							
			15	20	25	30	40	50	60		15	20	25	30	40	50	60	
1	57.5	B	210	210	206	200	194	188	183		210	210	210	210	210	209	204	
		C	181	176	172	169	164	160	157		201	196	191	187	182	178	174	
		D	165	161	158	155	151	148	146		183	178	175	172	168	165	162	
2	104.5	B	210	210	210	210	210	210	210		210	210	210	210	210	210	210	
		C	210	210	210	210	210	210	210		210	210	210	210	210	210	210	
		D	210	210	210	209	204	200	197		210	210	210	210	210	210	210	
3	55	B	210	207	201	195	190	184	179		210	210	210	210	210	204	199	
		C	177	172	168	165	160	156	154		197	191	187	183	178	174	171	
		D	161	157	154	152	148	145	143		179	175	171	168	164	161	159	
4	43	B	191	183	178	173	168	162	158		210	204	197	192	186	180	176	
		C	157	152	149	146	142	138	136		174	169	165	162	157	154	151	
		D	142	139	136	134	131	128	126		158	154	152	149	145	142	140	
5	90	B	210	210	210	210	210	210	210		210	210	210	210	210	210	210	
		C	210	210	210	210	205	200	196		210	210	210	210	210	210	210	
		D	206	201	197	194	189	185	182		210	210	210	210	210	206	203	
6	41	B	187	179	174	169	164	159	155		207	199	193	187	182	176	172	
		C	153	149	145	142	138	135	133		170	165	162	158	154	150	147	
		D	139	136	133	131	128	125	123		154	151	148	145	142	139	137	
7	71	B	210	210	210	210	210	209	204		210	210	210	210	210	210	210	
		C	201	196	191	187	182	178	175		210	210	210	208	202	197	194	
		D	183	179	175	172	168	165	162		203	198	195	191	187	183	180	
8	69	B	210	210	210	210	210	206	201		210	210	210	210	210	210	210	
		C	198	193	189	185	179	175	172		210	210	210	205	199	195	191	
		D	180	176	173	170	166	162	160		200	196	192	189	184	180	178	

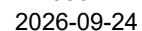
Table 4: HVHZ Maximum Wind Speeds of Wall Cladding Installed at Various Building Heights and Exposure Categories – 2026 FBC HVHZ^{1,11}

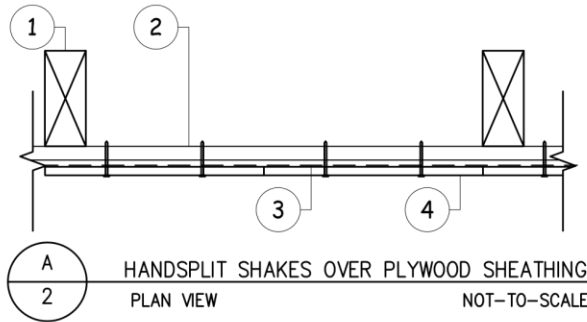
System No. ¹²	Allowable Pressure (psf) (ASD) ^{2,4}	Exposure Category ¹³	ZONE 5 (CORNER) ³								ZONE 4, (FIELD) ³							
			Maximum Wind Speed V_{ult} (mph)								Maximum Wind Speed V_{ult} (mph)							
			Building Height (ft) ¹⁴								Building Height (ft) ¹⁴							
			15	20	25	30	40	50	60		15	20	25	30	40	50	60	
9	90	B	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	
		C	210	210	210	210	205	200	196		210	210	210	210	210	210	210	
		D	206	201	197	194	189	185	182		210	210	210	210	210	206	203	

See General Notes for Tables 2,3,4 on page 10 for referenced superscript table notes.

ATTACHMENT 3: ASSEMBLY DIAGRAMS

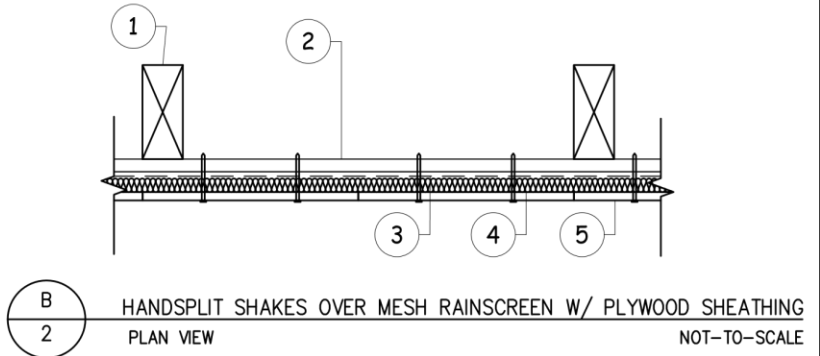
Begins next page



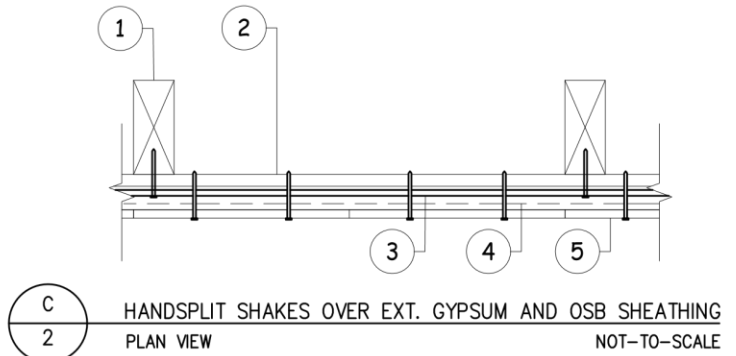


LIGHT-FRAMED STUD & WOOD STRUCTURAL PANEL SHEATHING ASSEMBLY, INTERIOR TO EXTERIOR	
1	MIN. 2x4 WOOD OR STEEL STUDS @ 16" O.C., SEE ENGINEERING EVALUATION REPORT ¹
2	PLYWOOD OR OSB SHEATHING FASTENED TO STUDS PER CODE, SEE ENGINEERING EVALUATION REPORT ¹
3	WATER RESISTIVE BARRIER TO CODE
4	DAVINCI SIDING @ 8" EXPOSURE FASTENING PER ENGINEERING EVALUATION REPORT ¹

EXTERIOR MESH RAINSCREEN INTALLATION INTERIOR TO EXTERIOR	
1	MIN. 2x4 WOOD OR STEEL STUDS @ 16" O.C., SEE ENGINEERING EVALUATION REPORT ¹
2	PLYWOOD SHEATHING FASTENED TO STUDS PER CODE, SEE ENGINEERING EVALUATION REPORT ¹
3	WATER RESISTIVE BARRIER TO CODE
4	KEENE DRIWALL 10mm MESH RAINSCREEN INSTALLED PER MANUFACTURER'S INSTRUCTIONS
5	DAVINCI SIDING @ 8" EXPOSURE FASTENING PER ENGINEERING EVALUATION REPORT ¹



LIGHT-FRAMED STUD WALL W/GYPSUM AND OSB INSTALLATION INTERIOR TO EXTERIOR	
1	MIN. 2x4 WOOD OR STEEL STUDS @ 16" O.C., SEE ENGINEERING EVALUATION REPORT ¹
2	OSB SHEATHING FASTENED TO STUDS PER CODE, SEE ENGINEERING EVALUATION REPORT ¹
3	EXTERIOR GYPSUM FASTENED TO STUDS PER CODE, SEE ENGINEERING EVALUATION REPORT ¹
4	WATER RESISTIVE BARRIER TO CODE
5	DAVINCI SIDING @ 8" EXPOSURE FASTENING PER ENGINEERING EVALUATION REPORT ¹



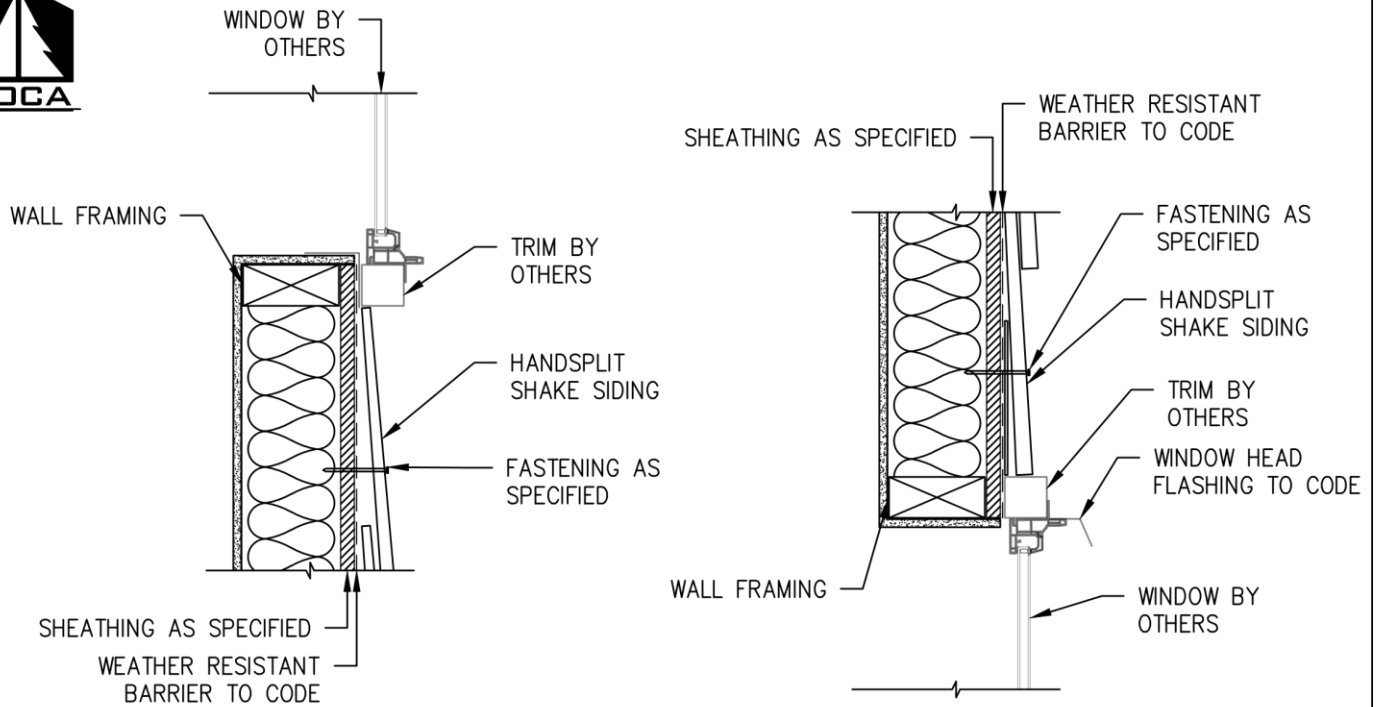
1. DETAILS PER EVALUATION REPORT: 0064-22

COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF BOCA ENGINEERING CO. TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.

	BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS		DATE SEPTEMBER 21, 2026		6	FOR PUBLICATION		CB	
	#203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM		DRAWING NO. 0064-6136-SK1	SHEET NO. 2 OF 7	REV.	ISSUE		APP	
					SCALE NOT TO SCALE		DES. CB	DRN. RQ	CHK. CB
TITLE WALL ASSEMBLY OPTIONS INCLUDING RAINSCREEN AND EXT. GYPSUM			CLIENT WESTLAKE DAVINCI ROOFSAPES, LLC		PROJECT DAVINCI HANDSPLIT SIDING IBC/FBC/CBC				

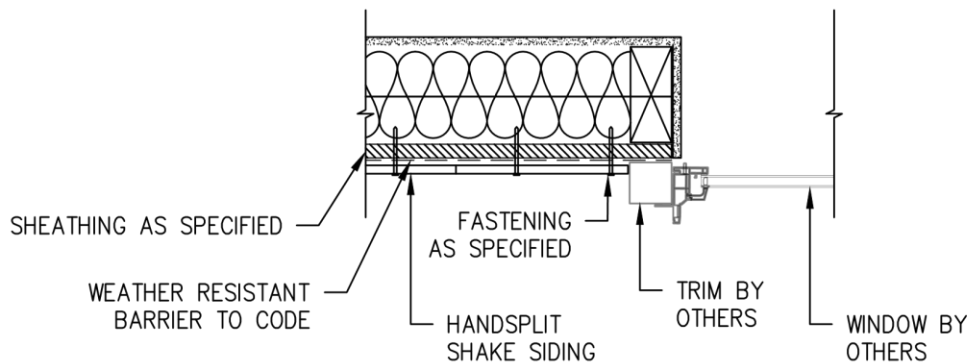
¹. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS



A
3
HANDSPLIT SHAKES WINDOW SILL SECTION
NOT-TO-SCALE

B
3
HANDSPLIT SHAKES TOP OF WINDOW SECTION
NOT-TO-SCALE



C
3
HANDSPLIT SHAKES WINDOW JAMB SECTION
NOT-TO-SCALE

COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF BOCA ENGINEERING CO. TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.

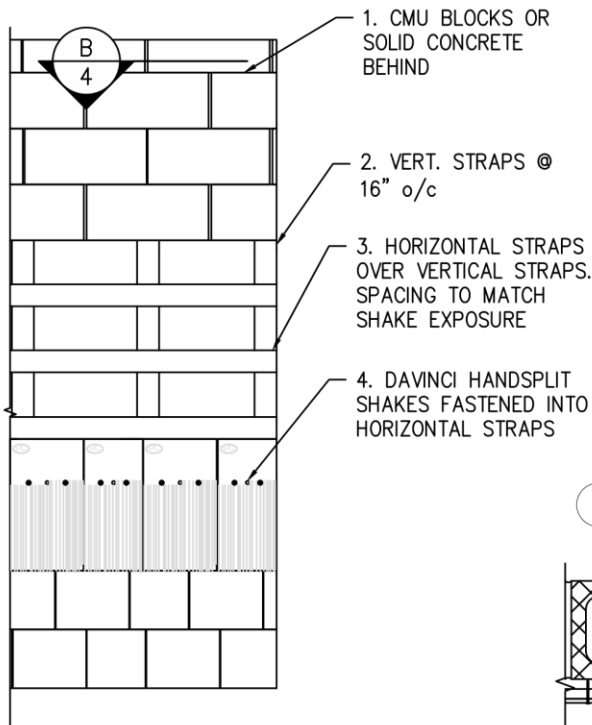


BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
203-1001 CLOVERDALE AVE, VICTORIA BC
V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

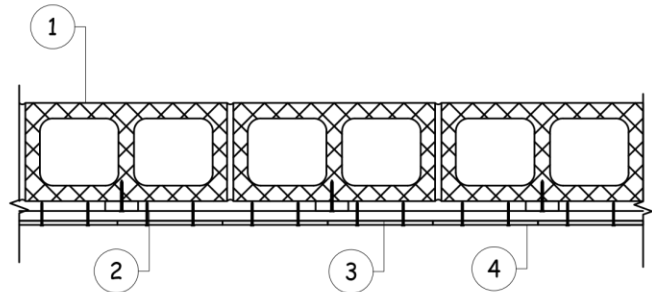
DATE	SEPTEMBER 21, 2026		6	FOR PUBLICATION		CB
			REV.	ISSUE		APP
DRAWING NO.	SHEET NO.		SCALE	DES.	DRN.	CHK.
0064-6136-SK1	3 OF 7		NOT TO SCALE	CB	RQ	CB
TITLE	CLIENT	PROJECT				
HANDSPLIT SHAKE WINDOW DETAILS	WESTLAKE DAVINCI ROOFSCAPES, LLC	DAVINCI HANDSPLIT SIDING IBC/FBC/CBC				

1. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS



CMU/CONCRETE WALL ASSEMBLY INTERIOR TO EXTERIOR	
1	CMU BLOCKS MIN. 1500 PSI, OR SOLID CONCRETE MIN. 2500 PSI
2	VERT 1X3 P.T. SPF No.2 STRAPS @ 16" O.C. W/ $\frac{3}{16}$ " ITW TAPCON CONCRETE ANCHOR SCREWS W/MIN. $1\frac{1}{4}$ " EMBEDMENT @ 16" O.C.
3	HOR. 1X3 P.T. SPF No.2 STRAPS @ 8" O.C. W/#8 $1\frac{1}{2}$ " GALV. WOOD SCREWS INTO EVERY STRAP INTERSECTION
4	DAVINCI SIDING @ 8" EXPOSURE W/((2)- $1\frac{1}{2}$ "X $\frac{1}{4}$ " HEAD & 0.092" SHANK GALVANIZED SIDING NAILS PER SHAKE



A
4
HANDSPLIT SHAKES OVER CMU OR CONCRETE WALL
ELEVATION VIEW
NOT-TO-SCALE

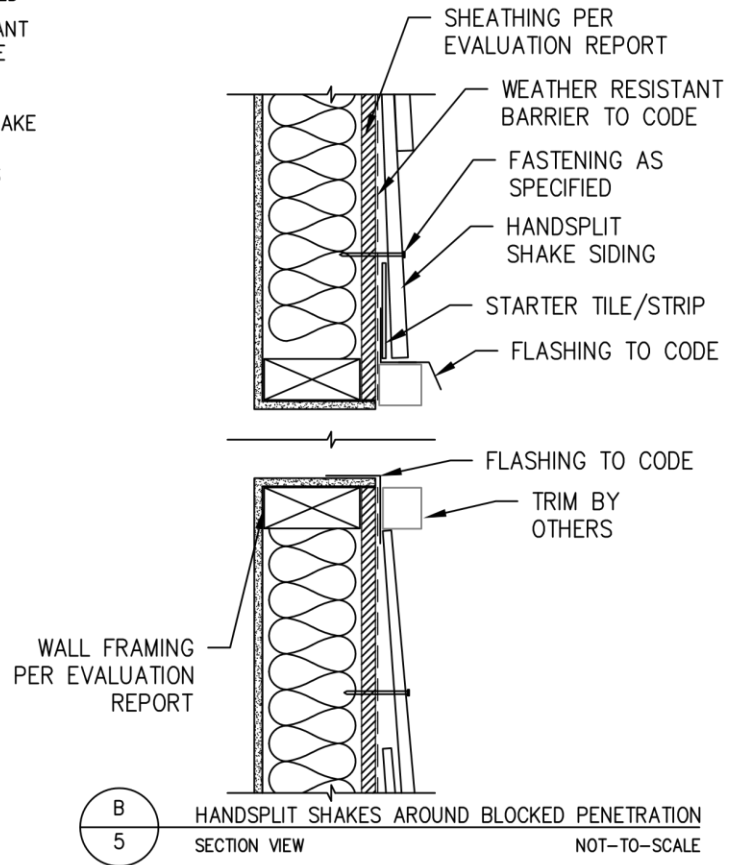
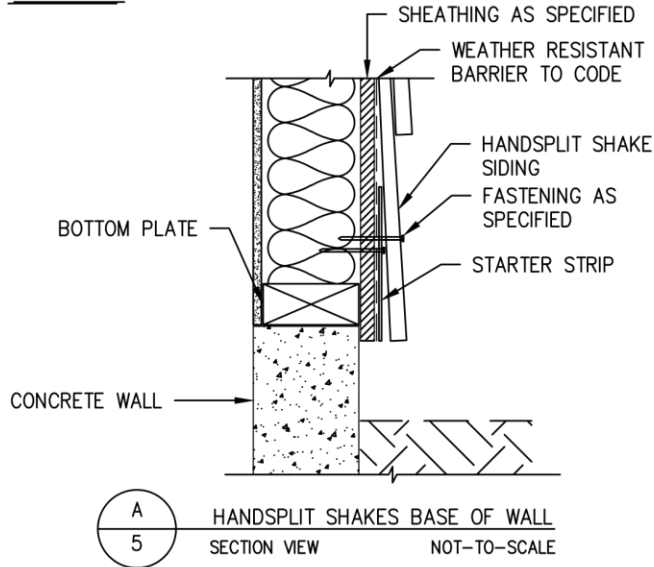
B
4
HANDSPLIT SHAKES OVER CMU OR CONCRETE WALL
PLAN VIEW
NOT-TO-SCALE

COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF **BOCA ENGINEERING CO.** TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.

 BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE. VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE SEPTEMBER 21, 2026		6	FOR PUBLICATION		CB
			REV.	ISSUE		APP
	DRAWING NO. 0064-6136-SK1	SHEET NO. 4 OF 7	SCALE NOT TO SCALE	DES. CB	DRN. RQ	CHK. CB
TITLE TYP. ASSEMBLY OVER CMU OR CONCRETE WALL	CLIENT WESTLAKE DAVINCI ROOFSCAPES, LLC		PROJECT DAVINCI HANDSPLIT SIDING IBC/FBC/CBC			

1. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS

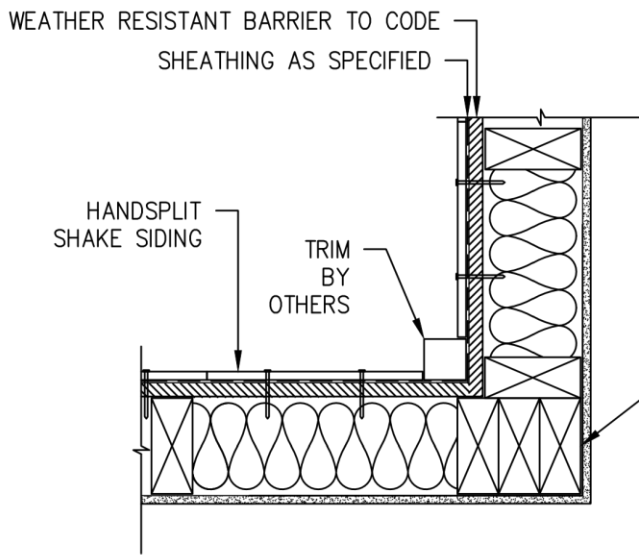


COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF BOCA ENGINEERING CO. TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.

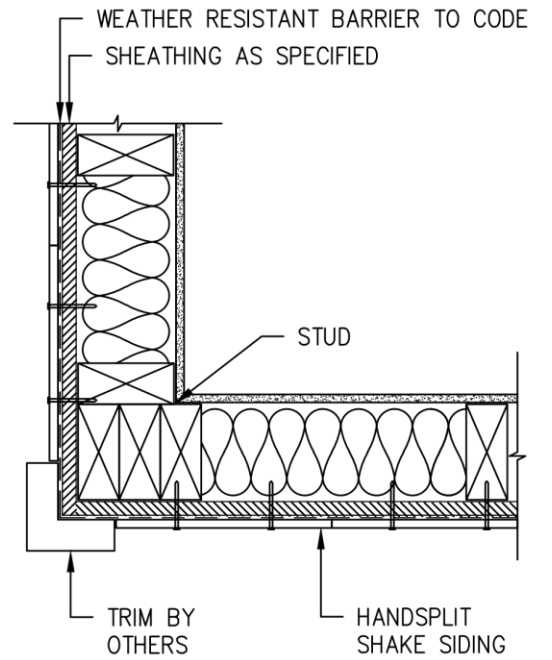
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS 203-1001 CLOVERDALE AVE., VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE SEPTEMBER 21, 2026		6	FOR PUBLICATION		CB
	DRAWING NO. 0064-6136-SK1		SHEET NO. 5 OF 7	REV.	ISSUE	APP
	CLIENT WESTLAKE DAVINCI ROOFSCAPES, LLC		PROJECT DAVINCI HANDSPLIT SIDING IBC/FBC/CBC	SCALE NOT TO SCALE	DES. CB	DRN. RQ
	TITLE BASE OF WALL AND OPENING DETAILS			CHK. CB		

¹. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS



B
6 HANDSPLIT SHAKES INSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE



A
6 HANDSPLIT SHAKES OUTSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE

COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF BOCA ENGINEERING CO. TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.



BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
203-1001 CLOVERDALE AVE. VICTORIA BC
V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

DATE	SEPTEMBER 21, 2026	6	FOR PUBLICATION	CB
DRAWING NO.	0064-6136-SK1	REV.	ISSUE	APP
SHEET NO.	6 OF 7	SCALE	DES.	DRN.
		NOT TO SCALE	CB	RQ
TITLE	INSIDE AND OUTSIDE CORNER WALL TERMINATION DETAILS	CLIENT	PROJECT	CHK.
	WESTLAKE DAVINCI ROOFSAPES, LLC		DAVINCI HANDSPLIT SIDING IBC/FBC/CBC	CB

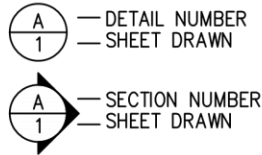
1. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS



DESIGN LOADS	
LIVE	SEE EVALUATION REPORT
SNOW	
WIND	
SEISMIC	
TEMPERATURE	

LEGEND AND SYMBOLS



INSTALLATION

- THE INSTALLATION DETAILS DESCRIBED ARE OF THE LABORATORY TESTED ASSEMBLY AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, THE JOB ENGINEER OR ARCHITECT PREPARED SITE-SPECIFIC DOCUMENTS SHALL BE USED.

MATERIAL STANDARDS

SHEATHING

- WOOD-BASED STRUCTURAL SHEATHING:
 - PLYWOOD – US DOC PS1-09 OR PS2-10 U.N.O.
 - OSB – US DOC PS2-10 U.N.O.
- GYPHUM SHEATHING: ASTM C1396, EXTERIOR TYPE.

FASTENERS

- WOOD SCREWS TO CONFORM TO ASME B18.6.1 U.N.O.
- METAL SCREWS TO CONFORM TO ASTM C1513.
- SIDING NAILS TO CONFIRM TO ASTM F1667.
- ALL FASTENERS WITH CORROSION-RESISTANT GALVANIZED COATING.

FRAMING

- METAL FRAMING MEMBERS MINIMUM 18 GAUGE U.N.O., 33ksi, COMPLIANCE WITH ANSI S100-16.
- WOOD FRAMING MIN. 2x4 S.G. 0.42, COMPLIANCE WITH US DOC PS20-05.

CONCRETE MASONRY UNIT (CMU)

- MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE LOCAL STATE BUILDING CODE AND TMS 402/602.
- HOLLOW-CORE CMU SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI.

CONCRETE WALLS

- ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE AND COMPLY WITH ACI 318 AND LOCAL STATE BUILDING CODE.
- CONCRETE WALLS TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI.

ABBREVIATIONS

CONT	CONTINUOUS	O.C.	ON CENTER
EA	EACH	P.T.	PRESSURE TREATED
E/W	EACH WAY	S.G.	SPECIFIC GRAVITY
EXT.	EXTERIOR	SPEC.	SPECIFICATION
INT.	INTERIOR	TYP.	TYPICAL
MAX	MAXIMUM	U.N.O.	UNLESS NOTED OTHERWISE
MIN	MINIMUM	W/	WITH
NO.	NUMBER		

TESTING AND CODE COMPLIANCE

- THE SIDING PRODUCT ASSEMBLY SHOWN IS DESIGNED TO COMPLY WITH THE 2024 INTERNATIONAL BUILDING CODE (IBC) AND 2026 FLORIDA BUILDING CODE (FBC).
- THE STRUCTURAL FRAMING AND SHEATHING SHALL BE DESIGNED AND ANCHORED TO PROVIDE LATERAL BRACING TO NOT EXCEED DEFLECTION LIMITS, AND PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. FRAMING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THESE DRAWINGS APPLY TO THE TESTING ASSEMBLY ONLY AND DO NOT IMPLY THAT THE SIGNATORY ENGINEER IS THE DESIGNER OF RECORD FOR ANY FUTURE CONSTRUCTION ON WHICH THEY ARE USED.
- SOME NON-STRUCTURAL COMPONENTS NOT SHOWN AND DO NOT IMPACT STRENGTH FOR ATTACHMENT. TO BE INSTALLED PER CODE AND MAY INCLUDE: FLASHING, INTERIOR INSULATION, INTERIOR FINISH.

COPYRIGHT ©2026 RESERVED. THESE PLANS AND DESIGNS ARE AT ALL TIMES THE PROPERTY OF **BOCA ENGINEERING CO.** TO BE USED FOR THE PROJECT SHOWN. WRITTEN CONSENT IS REQUIRED FROM THE ENGINEER BEFORE ANY REPRODUCTION.



BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
203-1001 CLOVERDALE AVE. VICTORIA BC
V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

DATE	SEPTEMBER 21, 2026		6	FOR PUBLICATION		CB
DRAWING NO.	0064-6136-SK1		REV.	ISSUE		APP
SHEET NO.	7 OF 7		SCALE	DES.	DRN.	CHK.
			NOT TO SCALE	CB	RQ	CB
TITLE	DAVINCI SIDING GENERAL NOTES		CLIENT	PROJECT		
	WESTLAKE DAVINCI ROOFSCAPES, LLC			DAVINCI HANDSPLIT SIDING IBC/FBC/CBC		

1. DRAWING FOR ENGINEERING
EVALUATION REPORT:
0064-22-6-6136

NOT FOR USE AS
CONSTRUCTION DESIGN
DOCUMENTS



ATTACHMENT 4: FLORIDA TO INTERNATIONAL CODE CROSS-REFERENCES

Table 5: 2026 FBC to 2024 IBC Cross-referenced Sections

IBC Section ¹	FBC Section	Description	Referenced Standard or Code Section ²	Year	FBC Comparison to IBC
1402.2	1403.2	Weather Protection	ASTM E331	2000(23)	Article content same as IBC; referenced standard edition differs
1402.3	1403.3	Wind Resistance	FBC Ch 16	-	Article content same as IBC
1403.11	1404.12	Polypropylene Siding	ASTM D7254	2020	Article content same as IBC; referenced standard edition differs
1403.11.1	1404.12.1	Flame Spread Index	ASTM E84	2024	Article content same as IBC; referenced standard edition differs
1404.1	1405.1	Installation of Wall Covering	TAS 202, TAS 203	1994	Content modified to include HVHZ requirements
1404.2	1405.2	Weather Protection	FBC Ch 16	-	Content modified to include HVHZ requirements
1404.18	1405.18	Polypropylene Siding	FBC Ch 16	-	Article content similar to IBC
1609.1.1	1609.1.1	Determination of Wind Loads	ASCE 7	2022	Article content same as IBC
N/A	1609.1.3	Testing to Allowable or Nominal Loads	ASCE 7	2022	Section added in FBC
N/A	1625.2	Load Tests, Testing Method (HVHZ)	TAS 202	1994	Section added in FBC
N/A	1625.4	Fatigue Load Testing (HVHZ)	TAS 203	1994	Section added in FBC
N/A	1626.4	Construction Assemblies Deemed to Comply with Section 1626 (HVHZ)	FBC Ch 22, 23	-	Section added in FBC
1709.2	1709.2	Load Test Procedures Specified	ASTM D7254	2020	Article content same as IBC; referenced standard edition differs
2606.4	2606.4	Burning Rate, Specifications	ASTM D635	2018	Article content same as IBC
2606.4	2606.4	Self-Ignition Temperature, Specifications	ASTM D1929	2020	Article content same as IBC
2606.4	2606.4	Smoke Density, Specifications	ASTM E84	2024	Article content same as IBC; referenced standard edition differs
2606.5	2606.5	Structural Requirements	FBC Ch 16	-	Article content same as IBC
2606.6	2606.6	Fastening	FBC Ch 16	-	Article content same as IBC
N/A	2615.2	Weathering (HVHZ)	ASTM G155	2021	Section added in FBC
N/A	2615.2	Tensile Strength after Weathering (HVHZ)	ASTM D638	2003	Section added in FBC

Table 5: 2026 FBC-R to 2024 IRC Cross-referenced Sections

IRC Section ¹	FBC-R Section	Description	Referenced Standard or Code Section ²	Year	FBC-R Comparison to IRC
R703.1.1	R703.1.1	Water Resistance	ASTM E331	2000(23)	Article content same as IRC; referenced standard edition differs
R703.1.2	R703.1.2	Wind Resistance	ASTM E330	2014(21)	Article content same as IRC
R703.1.2	R703.1.2	Wind Resistance	Tables R301.2(2) & R301.2(3)	-	Article content same as IRC
Table R703.3(1)	Table R703.3(1)	Siding Minimum Attachment and Minimum Thickness	FBC-R Section R703.14.1	-	Article content same as IRC
R703.14	R703.14	Polypropylene Siding	ASTM D7254	2020	Article content same as IRC; referenced standard edition differs
R703.14.3	R703.14.3	Flame Spread Index	ASTM E84	2024	Article content same as IRC; referenced standard edition differs
N/A	R4401.1	High Velocity Hurricane Zone – Exterior Wall Coverings (HVHZ)	FBC Ch 14	-	Section added in FBC-R
N/A	R4412.1	Plastics (HVHZ)	FBC Ch 26	-	Section added in FBC-R



1. IBC/IRC equivalent sections are listed in comparison to the corresponding state code. (N/A) indicates that the IBC/IRC has no equivalent section and has not been addressed in the IBC/IRC.
2. Only the applicable reference standards and code sections cited in the main body text and this appendix are listed. (-) indicates that the main body text or this appendix covers the full explanation of the objective.

<u>FBC Section</u>	<u>Description</u>
1405.1	Installation of Wall Coverings, General (HVHZ) General installation instructions comply with the provisions of this section, and HVHZ assemblies comply with TAS 202 and 203, see this report commentary to FBC 1625 & 1626.
1405.2	Weather Protection Tests and calculations to FBC Ch 16 have been conducted with the siding installation details presented in this report. See <i>Attachment 1</i> of this report.
1609.1.3	Testing to Allowable or Nominal Loads The ASD conversion factor of tested allowable loads has been applied in accordance with this code section.
1625.2	Load Tests, Testing Method (HVHZ) The representative test assembly for HVHZ applications was tested to FBC standard TAS 202 and achieved an allowable pressure rating of 90 psf. See <i>Attachment 2</i> , Table 2, of this report.
1625.4	Fatigue Load Testing (HVHZ) The representative test assembly for HVHZ applications was tested to FBC standard TAS 203 following the load sequencing of FBC 1625.4 and achieved an allowable pressure rating of 90 psf. See <i>Attachment 2</i> , Table 2, of this report.
1626.4	Construction Assemblies Deemed to Comply with Section 1626 (HVHZ) Exterior wall sheathing of wall assemblies with DaVinci Handsplit Shake Siding in the HVHZ is specified as minimum of 19/32-inch (15 mm) CD exposure 1 plywood with an approved water-resistive barrier, and are found to satisfy this code section and TAS 203.
2615.2	Weathering (HVHZ) DaVinci Handsplit Shake Siding materials have been tested to 4500 hours of accelerated xenon arc weathering exposure to ASTM G155.
2615.2	Tensile Strength after Weathering (HVHZ) After 4500 hours of accelerated weathering exposure, DaVinci Handsplit Shake Siding material tested to ASTM D638 loss of tensile strength yield does not exceed 10%.
<u>FBC-R Section</u>	<u>Description</u>
R4401.1	High Velocity Hurricane Zone – Exterior Wall Coverings (HVHZ) Refers user to FBC Ch 14. See this report commentary to FBC 1405.1.
R4412.1	Plastics (HVHZ) Refers user to FBC Ch 26. See this report commentary to applicable FBC Ch 26 sections.



ADDITIONAL LIMITATIONS: FLORIDA BUILDING CODE (FBC) ONLY

1. DaVinci Handsplit Shake siding used in light-framed wall construction, HVHZ, shall be installed over minimum 19/32-inch (15 mm) CD exposure 1 plywood, and framing shall be in accordance with the HVHZ sections of FBC Ch 22 or 23.
2. Installations are limited to Type VB construction, in accordance with FBC 1405.18.
3. Clearance between exterior wall coverings and final earth grade on the exterior of a building shall not be less than 6 inches, in accordance with FBC 1403.9.
4. For installation in areas within 3,000 ft. of a saltwater coastline, fasteners used must comply with FBC Section 1711.



ATTACHMENT 5: CALIFORNIA TO INTERNATIONAL CODE CROSS-REFERENCES

Table 6: 2025 CBC to 2024 IBC Cross-referenced Sections

<u>2025 CBC Section</u>	<u>2024 IBC Section</u>	<u>Description</u>	<u>Referenced Standard or Code Section¹</u>	<u>Year</u>	<u>CBC Comparison to IBC</u>
1402.2	1402.2	Exterior Walls, Weather Protection	ASTM E331	2000(16)	Article content same as IBC
1402.3	1402.3	Exterior Walls, Structural	CBC Ch 16	-	Article content same as IBC
1403.11	1403.11	Polypropylene Siding	ASTM D7254	2021	Article content same as IBC
1403.11.1	1403.11.1	Flame Spread Index	ASTM E84	2021a	Article content same as IBC
1404.18	1404.18	Polypropylene Siding	CBC Ch 16	-	Article content same as IBC
1609.1.1	1609.1.1	Determination of Wind Loads	ASCE 7	2022	Article content same as IBC
1709.2	1709A.2	Load Test Procedures Specified	ASTM D7254	2021	Article content same as IBC
2606.4	2606.4	Burning Rate, Specifications	ASTM D635	2018	Article content same as IBC
2606.4	2606.4	Self-Ignition Temperature, Specifications	ASTM D1929	2020	Article content same as IBC
2606.4	2606.4	Smoke Density, Specifications	ASTM E84	2021a	Article content same as IBC
2606.5	2606.5	Structural Requirements	ASCE 7	2022	Article content same as IBC
2606.6	2606.6	Fastening	ASCE 7	2022	Article content same as IBC

Table 7: 2025 CRC to 2024 IRC Cross-referenced Sections

<u>2025 CRC Section</u>	<u>2024 IRC Section</u>	<u>Description</u>	<u>Referenced Standard or Code Section¹</u>	<u>Year</u>	<u>CRC Comparison to IRC</u>
R703.1.1	R703.1.1	Water Resistance	ASTM E331	2000(16)	Article content same as IRC
R703.1.2	R703.1.2	Wind Resistance	ASTM E330	2014(21)	Article content same as IRC
R703.1.2	R703.1.2	Wind Resistance	Tables R301.2.1(1) & R301.2.1(2)	-	Article content same as IRC
Table R703.3(1)	Table R703.3(1)	Siding Minimum Attachment and Minimum Thickness	Section R703.14.1	-	Article content same as IRC
R703.14	R703.14	Polypropylene Siding	ASTM D7254	2021	Article content same as IRC
R703.14.3	R703.14.3	Flame Spread Index	ASTM E84	2021a	Article content same as IRC

1. Only the applicable reference standards and code sections cited in the main body text and this appendix are listed. (-) indicates that the main body text or this appendix covers the full explanation of the objective.