

CODE PACKET

SAMPLE DATA — NOT A LIVE REPORT

Values shown are from the canonical fixture for template QA. Production reports populate the actual property's parcel record, AHJ data, ASCE wind lookup, and live NOAA storm history.

Building Code Report

Comprehensive code compliance reference for roofing, gutters, windows

PROPERTY

Sample Property — 100 5th Ave N, St. Petersburg, FL 33701

St. Petersburg → Pinellas County → Florida
ZIP: 33701

Built: 2003 · 2,210 sq ft · 2 Stories
Roof: Asphalt Shingle · Construction: Masonry / concrete block w/ stucco veneer

PRIMARY AHJ City of St. Petersburg Construction Services & Permitting

CURRENT CODE Florida Building Code, 8th Edition (2023) (effective 2023-12-31)

7

Adopted Codes

3

Manufacturers

31

Raw Storm Records

7 shown in detail

3

Work Scopes

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+13 more sections — see full contents on next page

GENERATED

May 14, 2026

Data snapshot: 2026-Q2

DOCUMENT ID

SAMPLE-PIN-001

WORK SCOPES

Roofing, Gutters, Windows

PREPARED FOR

Sample Contractor — Your Co. Here

Report Contents

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What Matters for This Roof

Executive summary for St. Petersburg → Pinellas County → Florida — Roofing

TOP CODE RULES

RULE

150 mph ultimate design wind speed (Risk Cat II)

FBC R301.2(1) + ASCE 7-22

Wind-Borne Debris Region

FBC R301.2.1.2

Hurricane-Prone Region

ASCE 7-22 / FBC R802.11

Reroof threshold (>25% of roof area in 12 months)

FBC R908.11

Florida Product Approval / Miami-Dade NOA required

FBC 553.842

Flood-zone verification (downtown St. Pete is largely Zone X-shaded)

FEMA NFHL + FBC R322

CONTRACTOR ACTION

Match fastening schedule + product approval to 150 mph zone; pull manufacturer high-wind installation table

Spec impact-rated glazing OR approved shutters for every glazed opening (windows, garage doors, skylights)

Verify roof-to-wall connections, load path continuity, and enhanced detailing throughout envelope

Plan reroof scope to stay below trigger OR budget for full code compliance on the affected section

Confirm FPA / NOA numbers for shingles, underlayment, accessories before purchase + permit submission

Pull the parcel-specific FIRM panel. Downtown St. Pete is mostly Zone X-shaded (minimal-to-moderate risk); coastal Zone AE/VE applies near the bay frontage. Confirm before issuing any flood-zone statement.

RISK FLAGS

- ▷ Wind 150 mph — enhanced fastening
- ▷ Wind-Borne Debris Region
- ▷ Hurricane-Prone Region

SPECIAL ZONES (3)

Hurricane-Prone Region

Roofing must meet FBC wind requirements for 150 mph design wind
Wind-Borne Debris Region

Impact-resistant glazing OR approved shutters per opening type
Flood-zone verification required (downtown St. Pete is largely Zone X-shaded)

Pull FIRM panel via FEMA Map Service Center for the parcel centroid

7

Adopted Codes

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Special Zones

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Raw Storm Records

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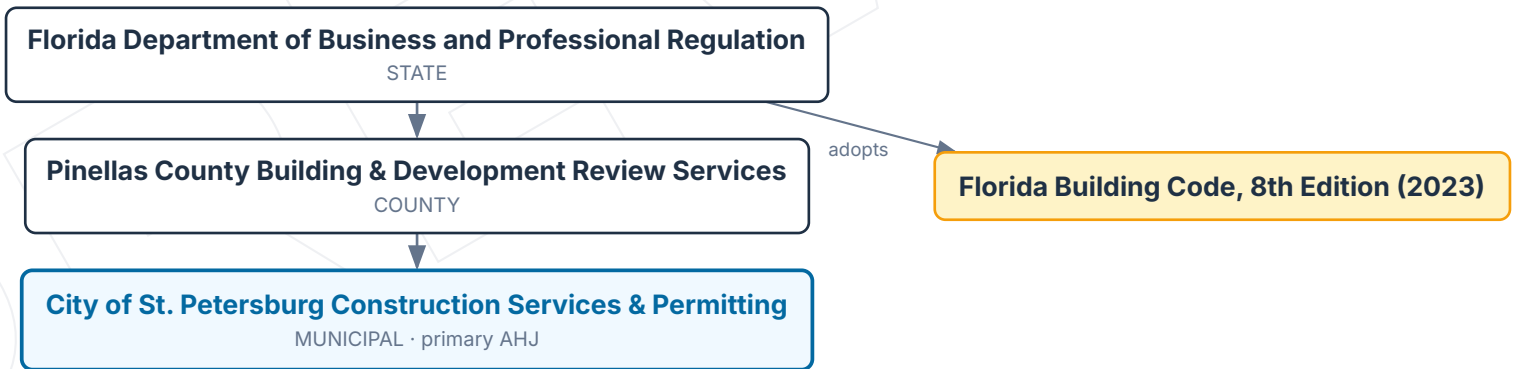
This is a summary. See full report sections for complete code citations, manufacturer requirements, and data sources. Always verify with your local AHJ.

Property Characteristics

Per County Property Appraiser records. Verify with the Property Appraiser before relying on tax-assessment data.

Parcel / APN	SAMPLE-PARCEL-ID
Year Built	2003
Wall / Structure	Masonry / concrete block with stucco veneer (IBC Type III-B)
Roof Type	Asphalt Shingle
Building Area	2210 sq ft
Stories	2
Occupancy / Use	R-3 (Residential, single family)
Land Use	Single Family Residential
Assessed Value	\$412,800
Municipality	St. Petersburg
Original Construction Code Era	FBC 2001 (with 2003 supplement era) — verify against permit record
Current Applicable Code	Florida Building Code, 8th Edition (2023) (effective 2023-12-31)
Geocode Confidence	rooftop (Pinellas County Property Appraiser, retrieved 2026-Q2)

Jurisdiction & Adopted Codes



AUTHORITY HAVING JURISDICTION

St. Petersburg → Pinellas County → Florida

City of St. Petersburg Construction Services & Permitting

Phone: (727) 893-7231

Website: stpete.org — Development Services

Address:

Municipal Services Center (MSC)

One 4th St N

1st Floor **verified 2026-05-14**

St. Petersburg, FL 33701

city directory — verify floor/suite with AHJ

Hours: Mon/Tue/Thu/Fri 8:00 AM – 4:00 PM; Wed 8:00 AM – 12:00 PM

*source snapshot — verify current walk-in hours before visiting***Online Permits: [Apply via Development Services](#)**

✓ Code Enforced

✓ Issues Permits

*Manufacturer instructions govern installation where code or product approval requires.***Estimated combined sales/use tax**

6.00% Florida state sales/use tax + 1.00% Pinellas County local discretionary surtax

Combined sales/use tax applies to taxable materials. Installed contracts vs labor treatment differs by contract structure — consult a Florida-licensed accountant.

Source: Florida Department of Revenue ([official site](#)) — retrieved 2026-05-14**7.00%****Codes Adopted**

Code	Edition	Year	Effective	Authority
Florida Building Code — Residential	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Building Code — Building	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Building Code — Energy Conservation	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Fire Prevention Code	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Building Code — Plumbing	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Building Code — Mechanical	8th Edition (2023)	2023	2023-12-31	State of Florida
Florida Building Code — Fuel Gas	8th Edition (2023)	2023	2023-12-31	State of Florida

Local Amendments & Source Confidence

No local amendments captured in this report. Florida's home-rule municipalities may publish addenda to the adopted FBC editions via Building Department bulletins or city ordinance — confirm scope-specific amendments with the AHJ before relying on the unmodified state adoption.

Code in force: Florida Building Code, 8th Edition (2023) · effective 2023-12-31

Per Florida Building Commission adoption record. Verify any chapter-specific amendments via the AHJ permitting office before permit submission.

Climatic & Geographic Design Criteria

FBC Residential Table R301.2(1) — St. Petersburg → Pinellas County → Florida

FBC Residential Table R301.2(1) (Florida-amended adoption of the IRC) establishes the climatic and geographic design criteria that govern structural, material, and energy requirements for residential construction. Each jurisdiction adopts specific values based on local conditions.

6 of 6 criteria populated from verified data sources.

Criterion	Value	Source
Ground Snow Load FBC R301.2(1)	0 psf	ASCE 7-22 Fig. 7.2-1 <i>verified</i>
Wind Speed (Ultimate, Risk Cat II) FBC R301.2(1)	150 mph	ASCE 7-22 Fig. 26.5-1A; verify per ASCE Hazard Tool <i>high · verify with AHJ</i>
Seismic Design Category FBC R301.2.2.1 <i>verified 2026-05-19</i>	A	FBC R301.2.2.1 (Florida-amended IRC) <i>verified</i>
Termite Infestation Probability FBC R301.2(6)	Very Heavy	FBC Fig. R301.2(6) <i>verified</i>
Ice-Dam Underlayment Required FBC R905.1.2	No (CZ 2A — no ice-dam condition); reroof secondary-water barrier may still apply	IECC Climate Zone 2A <i>verified</i>
Flood Hazards FBC R301.2(1)	Likely Zone X-shaded (downtown St. Pete) — verify per parcel-specific FIRM panel	FEMA NFHL — parcel-specific FIRM panel <i>needs_review · verify with AHJ</i>

Roofing Requirements

Component requirements based on adopted building codes for this jurisdiction

Component	Required	Code Section	Contractor Action
Underlayment	YES	FBC R905.1.1	Verify AHJ amendment + product approval number before purchase.
Wind Resistance	YES	FBC R905.2.4	Confirm ASTM D7158 Class G or H (or D3161 Class F) rating on the Florida Product Approval and on product packaging. Class H exceeds the 150 mph site requirement.
Fire Classification	YES	FBC R905.2.3	Confirm fire class on FPA listing.
Fastening Schedule	YES	FBC R905.2.6	Pull the FPA's high-wind installation table and follow it; do not assume 6 nails universally.

Component	Required	Code Section	Contractor Action
Drip Edge	YES	FBC R905.2.8.5	Confirm flange dimension against AHJ amendment if any.

FBC R905.1.1 – Underlayment

Underlayment shall comply with ASTM D226, ASTM D4869, ASTM D6757, or ASTM D1970. Self-adhering polymer-modified bitumen at eaves/penetrations may be required by local amendment in coastal exposure – verify with AHJ.

FBC R905.2.4 – Wind Resistance

Asphalt shingles shall be tested per ASTM D3161 (Class F = 110 mph V_{asd}) or ASTM D7158 (Class G = 150 mph V_{ult} , Class H = 190 mph V_{ult}). At a 150 mph V_{ult} design site, D7158 Class G is the minimum that satisfies code; Class H exceeds the minimum. D3161 Class F also satisfies FBC R905.2.6.1 wind acceptance.

FBC R905.2.3 – Fire Classification

Roof assemblies shall have a Class A, B, or C fire classification per ASTM E108.

FBC R905.2.6 – Fastening Schedule

Fastener count is governed by the product's Florida Product Approval and the manufacturer's high-wind installation schedule. At a 150 mph design wind site, 6-fastener schedules are typical for asphalt shingles, but the exact count is per the FPA + manufacturer instructions.

FBC R905.2.8.5 – Drip Edge

Drip edge shall be provided at eaves and gable rakes. Minimum 2-inch face flange typical in coastal exposure.

Key Rules

Re-Roof Layer Limit (Two-Layer Rule) FBC R908.3

If 2 layers already exist, tear-off to deck is required before new installation.

Not more than two layers of roof coverings shall be applied over a roof deck.

verified 2026-05-19

Product Approval Requirement FBC 553.842

Verify product approval numbers before purchasing materials.

All roofing products used in Florida must have a current Florida Product Approval (FPA) or Miami-Dade NOA.

Reroof Threshold ("25% Rule") FBC R908.1.1

Partial repairs aggregating above the 25% threshold within 12 months can trigger full-system upgrade obligations.

If more than 25% of the total roof area or roof section is repaired, replaced, or recovered within a 12-month period, the affected roof system/section may need to be brought into compliance with the current Florida Building Code, subject to statutory/code exceptions and AHJ interpretation.

verified 2026-05-19

Window & Opening Protection

Window, opening-protection, and garage-door requirements based on adopted building codes

Windows

Requirement	Status	Value / Reference
Impact Resistance / Opening Protection	YES	Large-missile test per ASTM E1996 Level D (9 lb 2x4 @ 50 ft/s) OR approved shutter system
Garage Doors	YES	ASTM E1996 / E1886 wind + impact ratings
Energy Performance (CZ 2A)	YES	U-factor ≤ 0.40 , SHGC ≤ 0.25 (verify against current FECC table)

FBC R301.2.1.2 – Impact Resistance / Opening Protection

Glazed openings in wind-borne debris regions shall be protected with impact-rated glazing or approved shutters. Pinellas WBDR designation triggers this requirement for all opening types: windows, doors, garage doors, and skylights.

FBC R301.2.1.2 – Garage Doors

Garage doors in WBDR shall meet wind pressure AND impact requirements at the address-specific design pressure.

FECC R402.1.2 – Energy Performance (CZ 2A)

Fenestration U-factor and SHGC per Climate Zone 2A.

Energy Code Requirements



FBC ENERGY CONSERVATION · CLIMATE ZONE

Hot — Humid

Moisture Regime: Humid

Source basis: 2021 IECC adopted via FBC Energy Conservation Chapter 4 (R401 / C401)

NOT REQ. (CZ < 5)

Ice-dam underlayment

NOT REQ.

Vapor Retarder

42°F

Winter Design Temp

Insulation & Fenestration Requirements

Component	R-Value	U-Factor	SHGC	Notes
Attic Insulation	R-38	—	—	—
Wood Frame Wall	R-13	—	—	—
Floor	R-13	—	—	—
Windows / Fenestration	—	0.4	0.25	—
Skylight	—	0.65	0.28	—

Wind & Environmental Exposure



ULTIMATE DESIGN WIND SPEED

150 mph (ASCE 7) verified 2026-05-14

Nominal (V_{asd} , ASD-equivalent): 116 mph

Exposure Category: C needs review · 2026-05-14

Source: ASCE 7-22 Fig. 26.5-1A

Status: *verified · ASCE Hazard Tool parcel-centroid lookup; verify with AHJ before permit submission*

High Wind Zone

Design wind speed of 150 mph requires enhanced fastening, wind-rated components, and high-wind installation methods per manufacturer specifications.

YES

Wind-Borne Debris Region

YES

Hurricane-Prone Region

0 psf

Ground Snow Load

Special Zone Requirements

2 confirmed for this parcel; 1 county/context flag requiring review

Hurricane-Prone Region verified 2026-05-14

HIGH

Enhanced wind resistance standards required throughout Pinellas County.

- Roofing must meet FBC wind requirements for 150 mph design wind
- Roof-to-wall connections per FBC Table R802.11

Wind-Borne Debris Region verified 2026-05-14

HIGH

Impact-resistant glazing or shutters required for openings (windows, doors, garage doors, skylights).

- Impact-resistant glazing OR approved shutters per opening type
- Garage doors per ASTM E1996/E1886

Flood-zone verification required (downtown St. Pete is largely Zone X-shaded) needs review · 2026-05-14

NEEDS REVIEW

Downtown St. Petersburg is mostly Zone X-shaded (minimal-to-moderate flood risk); Zone AE / VE applies along the bay frontage. A parcel-specific FEMA NFHL / FIRM panel lookup is the canonical source for the actual zone, BFE, and AE/VE applicability at this address.

- Pull FIRM panel via FEMA Map Service Center for the parcel centroid
- If parcel is in Zone AE/VE: lowest finished floor at or above base flood elevation
- If parcel is in Zone AE/VE: flood-resistant materials below BFE per FBC R322

Manufacturer Cross-Reference

Code requirements vs manufacturer specifications — whichever is stricter applies (8th Edition (2023) Florida Building Code)

Reading This Table

- **Code minimum satisfied** — product/spec appears to meet the code minimum for this address
- **Manufacturer stricter** — manufacturer system requirement exceeds the code minimum (higher standard, not a problem)
- **Verification required** — exact product approval / configuration not yet confirmed
- **Not sufficient** — does not meet the mapped requirement for this address

GAF

Timberline HDZ

FL Product Approval: **FL16299** verified 2026-05-19

Source: GAF Timberline HDZ — Florida Product Approval FL16299 (active, revision R12 expires 2028-08-15; verify current revision at floridabuilding.org before purchase).

Component	Code Requirement	Manufacturer Spec	Comparison
Shingle Wind Rating	ASTM D7158 Class G minimum (rated to 150 mph V _{ult}) at this 150 mph V _{ult} address	ASTM D7158 Class H (rated to 190 mph V _{ult}) per Florida Product Approval — exceeds code minimum	Mfr stricter
Nail Count	Per FPA + manufacturer high-wind installation table	6 nails per shingle in high-wind zones (per GAF Pro-Field Guide)	Code minimum satisfied
Underlayment	ASTM D226 Type II compatible; coastal eave SAU may be required by AHJ	GAF FeltBuster + WeatherWatch at eaves	Mfr stricter

Owens Corning

Duration Storm

FL Product Approval: **FL12727** verified 2026-05-19

Source: Owens Corning Duration Storm — Florida Product Approval FL12727 (active, revision R7 expires 2027-11-02; verify current revision at floridabuilding.org before purchase). Note: production registry lists 'Duration' as the base product; Duration Storm is the impact-rated variant.

Component	Code Requirement	Manufacturer Spec	Comparison
Shingle Wind Rating	ASTM D7158 Class G minimum (rated to 150 mph V _{ult}) at this 150 mph V _{ult} address	ASTM D7158 Class H (rated to 190 mph V _{ult}) per Florida Product Approval FL12727; verify the installation method (nailing pattern, starter, sealant) on the FPA matches the rating used.	Mfr stricter
Starter Strip	Starter required at eaves and rakes (coastal)	OC Starter Strip Plus matched starter	Mfr stricter

CertainTeed

Landmark PRO

FL Product Approval: **FL5444** verified 2026-05-19

Source: CertainTeed Landmark PRO — Florida Product Approval FL5444 (current revision at floridabuilding.org). Always pull the current revision before purchase.

Component	Code Requirement	Manufacturer Spec	Comparison
Shingle Wind Rating	ASTM D7158 Class G minimum (rated to 150 mph V _{ult}) at this 150 mph V _{ult} address	ASTM D7158 Class H (rated to 190 mph V _{ult}) per Florida Product Approval FL5444; CertainTeed application instructions support installations up to 160 mph V _{asd} with the high-wind nailing pattern.	Mfr stricter
Nail Count	Per FPA + manufacturer high-wind installation table	6-nail high-wind schedule in high-wind zones	Code minimum satisfied
Underlayment	ASTM D226 Type II compatible; coastal eave SAU may be required by AHJ	CertainTeed DiamondDeck or RoofRunner synthetic + WinterGuard at eaves	Mfr stricter

Warranty Comparison

3 warranty tiers across 3 manufacturers

Manufacturer / Warranty	Tier	Material Term	Workmanship	Wind	Transfer	Labor	Cert Required
GAF Golden Pledge ¹	System	Lifetime (limited)	25 yr	130 mph	Yes	Yes	GAF Master Elite
Owens Corning Platinum Protection ²	System	Lifetime (limited)	25 yr	130 mph	Yes	Yes	OC Platinum Preferred
CertainTeed Landmark PRO Limited Warranty + SureStart ³	Product	Lifetime (limited transferable per spec sheet)	10 yr	110 mph	Yes	No	—

¹ Workmanship and wind coverage vary by shingle type, accessory package, installer credential, registration, transfer state, and warranty document version — confirm against the current Golden Pledge warranty document before quoting coverage. · gaf.com — [Golden Pledge Warranty](#)

² Wind period and wind speed vary by product, accessory package, installer credential, registration status, and transfer state — values shown are baseline; confirm against the current Platinum Protection warranty document before quoting coverage. · owenscorning.com — [Roofing Warranty](#)

³ Per CertainTeed Landmark PRO public product page; verify current warranty document for exact terms · certainteed.com — [Landmark PRO](#)

Verify before quoting

Warranty data varies by product, accessory package, installer credential, registration, transfer status, installation method, and warranty document version. Verify with current manufacturer warranty documents before quoting coverage to a customer.

Snapshot: 2026-05-14 — Public manufacturer product pages; subject to update by each manufacturer

Hail Storm History

4 hail events within search radius over the past 5 years

4 displayed hail events / **11 raw** NOAA records (7 trimmed for relevance — duplicate-event dedup, low-confidence reports, sub-quarter-mile distance round-up).

HAIL EXPOSURE: Moderate

2

Within 5 mi

3

Within 10 mi

4

Within 15 mi

All hail events within 15 mi

Date	Size	Description	Distance	NOAA ID
Jul 18, 2024	1.25"	Half dollar	1.8 mi	1130001
Mar 12, 2023	1.00"	Quarter	3.6 mi	1110042
May 04, 2022	1.50"	Ping pong	7.4 mi	1095287
Apr 11, 2021	1.75"	Golf ball	12.3 mi	1080004

Distances computed via Haversine from event origin point to property centroid. Storm records indicate reported weather events near the property, not confirmed damage at the property. Source: NOAA Storm Events Database.

Hail Size Reference Scale

0.75"	Dime	Marginal
1.00"	Quarter	Slight
1.25"	Half Dollar	Slight
1.50"	Ping Pong	Moderate
1.75"	Golf Ball	Moderate
2.00"	Hen Egg	Severe
2.50"	Tennis Ball	Severe
2.75"	Baseball	Severe
3.00"	Tea Cup	Severe
4.00"	Grapefruit	Destructive
4.50"	Softball	Destructive

Wind Storm History

3 wind events within search radius over the past 5 years

3 displayed wind events / **12 raw** NOAA records (9 trimmed for relevance — duplicate-event dedup, low-confidence reports, sub-quarter-mile distance round-up).

2

Within 5 mi

3

Within 10 mi

All wind events within 10 mi

Date	Type	Wind (MPH)	Distance	NOAA ID
Sep 28, 2024	Tropical Storm Wind	95	<0.1 mi	1132255
Aug 30, 2023	Tropical Storm Wind	78	2.1 mi	1115502
Jun 14, 2022	Thunderstorm Wind	68	6.8 mi	1098112

Reported wind speeds may reflect gusts or event-estimated values. Saffir-Simpson categories use sustained winds and are not directly comparable. Distances computed via Haversine from event origin point to property centroid. Source: NOAA Storm Events Database.

General Wind Intensity

0–38 mph

Below severe threshold

39–57 mph

Tropical storm (NHC)

58–73 mph

Severe thunderstorm (NWS)

Saffir-Simpson Hurricane Scale

74–95 mph

Category 1

96–110 mph

Category 2

111–129 mph

Category 3 (Major)

130–156 mph

Category 4 (Major)

157+ mph

Category 5 (Major)

Risk Assessment Summary

Deterministic risk scoring based on storm history, wind exposure, and code compliance factors

94

Wind Risk

HIGH

67

Hail Risk

MODERATE

85

Code Complexity

HIGH

Wind Risk Factors

Factor	Value	Weight	Score
Design Wind Speed	150 mph	40%	10/10
Hurricane-Prone Region	Yes (coastal FL)	20%	10/10
Wind-Borne Debris Region	Yes	20%	9/10
Historical Wind Events (5yr displayed)	3 displayed / 12 raw	20%	8/10

Weighted subscore: $10/10 \times 40\% + 10/10 \times 20\% + 9/10 \times 20\% + 8/10 \times 20\% = 94 / 100$

Hail Risk Factors

Factor	Value	Weight	Score
Max Hail Size (5yr)	1.75"	40%	7/10
Hail Frequency (5yr displayed)	4 displayed / 11 raw	30%	6/10
Closest Hail Event	1.8 mi	30%	7/10

Weighted subscore: $7/10 \times 40\% + 6/10 \times 30\% + 7/10 \times 30\% = 67 / 100$

Code Complexity Factors

Factor	Value	Weight	Score
Code Enforcement	Active	40%	10/10
Permit Required	Yes	30%	10/10
Special Zones	3 overlays (HPR + WBDR + flood-verify)	30%	5/10

Weighted subscore: $10/10 \times 40\% + 10/10 \times 30\% + 5/10 \times 30\% = 85 / 100$

Scoring Inputs

- Wind Risk** ASCE 7 design wind speed band + Hurricane-Prone Region + Wind-Borne Debris Region + raw NOAA wind-event frequency
- Hail Risk** Max reported hail size + 5-year NOAA hail-event frequency + nearest-event distance band
- Code Complexity** Active AHJ enforcement posture + permit requirement scope + special-zone overlay count

REVIEW

Data Sources & Methodology

Provenance and verification information for data used in this Code Packet

7

Building Codes

3

Manufacturers

31

Raw Storm Records

7 shown in detail

NOAA Storm Events Database

National storm event records including hail, wind, tornado, and hurricane events.

[ncdc.noaa.gov — Storm Events Database](https://www.ncdc.noaa.gov/stormevents/)

Coverage	2021-01-01 → 2026-05-10
Method	Haversine from event begin lat/lon to parcel centroid; hail 15 mi radius, wind 10 mi radius
Version	Storm Events v3 (current as of 2026-05-10)
Status	VERIFIED
Limits	Reporting density varies by county; near-event-time records can be revised

ICC Building Codes — adopted via Florida Building Commission

Florida Building Code 8th Edition (2023) adopted statewide effective 2023-12-31.

[floridabuilding.org — FBC adoption](https://www.floridabuilding.org/)

Coverage	Effective 2023-12-31 forward
Version	FBC 8th Edition (2023)
Status	VERIFIED

ASCE 7 Wind Speed Maps

Ultimate design wind speed data for Risk Category II structures per ASCE/SEI 7-22.

[asce7hazardtool.online — Wind Speed Lookup](https://www.asce7hazardtool.online/)

Method	Lookup by parcel centroid via ASCE Hazard Tool
Version	ASCE 7-22 with 2024 supplement
Status	VERIFIED

IECC Climate Zone Map

Climate zone designations per county per the 2021 IECC + Florida county-to-zone reference table.

[energycodes.gov — Climate Zone Map](https://www.energycodes.gov/)

Method	County FIPS lookup → CZ table
Version	2021 IECC
Status	VERIFIED
Limits	County-level granularity; addresses near county boundaries may need verification

Manufacturer Technical Data

Installation requirements and warranty terms from public manufacturer product pages and warranty guides.

Version	Public product pages as of 2026-05-14
Status	NEEDS REVIEW
Limits	Verify against current manufacturer warranty document and Florida Product Approval (FPA) listing before quoting coverage

FEMA Flood Zone Maps (NFHL)

National Flood Insurance Program zone designations. Pinellas County has coastal areas designated SFHA (Zone AE/VE); per-parcel verification via FIRM panel required.

msc.fema.gov — Map Service Center

Method	FIRM panel lookup by parcel centroid
Version	NFHL — current effective FIRM panels per parcel
Status	NEEDS REVIEW
Limits	County-level coastal flag is informational only — parcel-specific FIRM panel must be pulled for any code-compliance statement

Florida Department of Revenue — Sales/Use Tax

Florida state sales/use tax + Pinellas County local discretionary surtax schedule.

floridarevenue.com — Sales Tax

Version	DR-15DSS 2026 schedule
Status	VERIFIED

Source URL Appendix

NOAA Storm Events Database:

<https://www.ncdc.noaa.gov/stormevents>

ICC Building Codes — adopted via Florida Building Commission:

<https://www.floridabuilding.org/c/default.aspx>

ASCE 7 Wind Speed Maps:

<https://asce7hazardtool.online/>

IECC Climate Zone Map:

<https://www.energycodes.gov/climate-zone-map>

FEMA Flood Zone Maps (NFHL):

<https://msc.fema.gov/portal/home>

Florida Department of Revenue — Sales/Use Tax:

https://floridarevenue.com/taxes/taxesfees/Pages/sales_tax.aspx

Verification Methodology

Building Codes

State + local adoption records cross-referenced against ICC publication and effective dates. Manufacturer requirements pulled from official technical bulletins and installation instructions.

Storm Events

NOAA Storm Events Database with Haversine-distance geographic filtering. All distances measured from event origin to subject-property coordinates.

Risk Scores

Deterministic computation from quantifiable data points. No AI-generated assessments, predictions, or subjective evaluations included.

Legal Disclaimer

Important Legal Notice

DISCLAIMER: This document is provided for informational purposes only and does not constitute legal, engineering, or professional contracting advice. skycanvass.com is a construction intelligence platform that compiles publicly available building code data. All building code references should be verified with the local Authority Having Jurisdiction (AHJ). Quantities and calculations are estimates — verify with your supplier and local code official before ordering or beginning work.

Scope of This Report

This report is **not** a permit application, **not** an engineering certification, **not** an insurance coverage determination, and **not** a property-damage causation opinion. It compiles publicly available building-code adoption records, storm-event metadata, and manufacturer product information for professional reference. Manufacturer warranty and product-approval terms must be verified against current manufacturer documents, installer credential requirements, registration status, and AHJ / Florida Product Approval records before relying on any cited specification.

Code & Storm Data

This Code Packet compiles building code references, manufacturer installation requirements, warranty specifications, and severe weather history from publicly available databases. It does NOT replace professional engineering judgment, field inspection, or direct verification with the Authority Having Jurisdiction (AHJ). Building codes may have been amended or superseded since generation. Manufacturer requirements are subject to change without notice. Storm event history documents weather events near a location, not damage at a specific property address. All data must be independently verified before construction or permit documentation.

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