



RESIDENTIAL ROOF PERMITTING - 101

A REFRESHER WORKSHOP

September 11, 2014



Agenda

- Basics of Permit Application
 - Use of Charlotte County GIS system
 - Florida Product Approvals
- Top Application Mistakes
- Standard Inspections for re-roof
- Top Inspection Failures
- Questions



Basics of Permit Application

ROOF MODIFICATION PERMIT APPLICATION IN COMPLIANCE WITH FBC 2010

Job Site Details

Description of work to be done: _____

Address: _____ Unit # _____

Tax Folio # _____
Number Name Type:(St., Dr., Pkwy., Blvd., etc.)
Lot Block Subdivision

Section _____ Township _____ Range _____ Wind Zone _____ Exposure _____ Flood Zone _____

This building will be used as _____ Map Page _____ Year Built _____

Zoning Class _____ Construction Cost (excluding lot but including labor) _____

Roof Replacement Roof Re-Cover Roof Repair Building Valuation _____





Basics of Permit Application

- Description of work to be done:
 - Roof Replacement ? or
 - Roof Recover ? or
 - Roof Repair ?



Basics of Permit Application

- #4 of top ten application mistakes:

Type of roof modification undisclosed

ROOF MODIFICATION PERMIT APPLICATION
IN COMPLIANCE WITH FBC 2010

Job Site Details

Description of work to be done: _____

Address: _____ Unit # _____

Number Name Type:(St., Dr., Pkwy., Blvd., etc.)

Tax Folio # Lot Block Subdivision

Section Township Range Wind Zone Exposure Flood Zone

This building will be used as _____ Map Page _____ Year Built _____

Zoning Class _____ Construction Cost (excluding lot but including labor) _____

 Roof Replacement Roof Re-Cover Roof Repair Building Valuation _____



Basics of Permit Application

- Description of work to be done:
 - Roof Replacement
 - Asphalt Shingles
 - Tile
 - Metal
 - Modified
 - Etc...





Basics of Permit Application

- Description of work to be done:
 - Roof Re-Cover: Not more than two layers of any type of roof covering. FBC-Existing 611.3





Basics of Permit Application

- Description of work to be done:
 - Roof Repair: Not more than 25% of the total roof area or section can be repaired, replaced or recovered in a year unless the entire roof or section conforms with the current code





Basics of Permit Application

- #1 of top ten application mistakes:

Wind-zone not indicated or wrong

ROOF MODIFICATION PERMIT APPLICATION
IN COMPLIANCE WITH FBC 2010

<u>Job Site Details</u>										
Description of work to be done: _____										
Address: _____							Unit # _____			
Number		Name		Type:(St., Dr., Pkwy., Blvd., etc.)						
Tax Folio #		Lot		Block		Subdivision				
Section		Township		Range			Wind Zone	Exposure		Flood Zone
This building will be used as _____					Map Page _____		Year Built _____			
Zoning Class _____		Construction Cost (excluding lot but including labor) _____								
<input type="checkbox"/> Roof Replacement		<input type="checkbox"/> Roof Re-Cover		<input type="checkbox"/> Roof Repair		Building Valuation _____				



Basics of Permit Application

- Risk Category 2

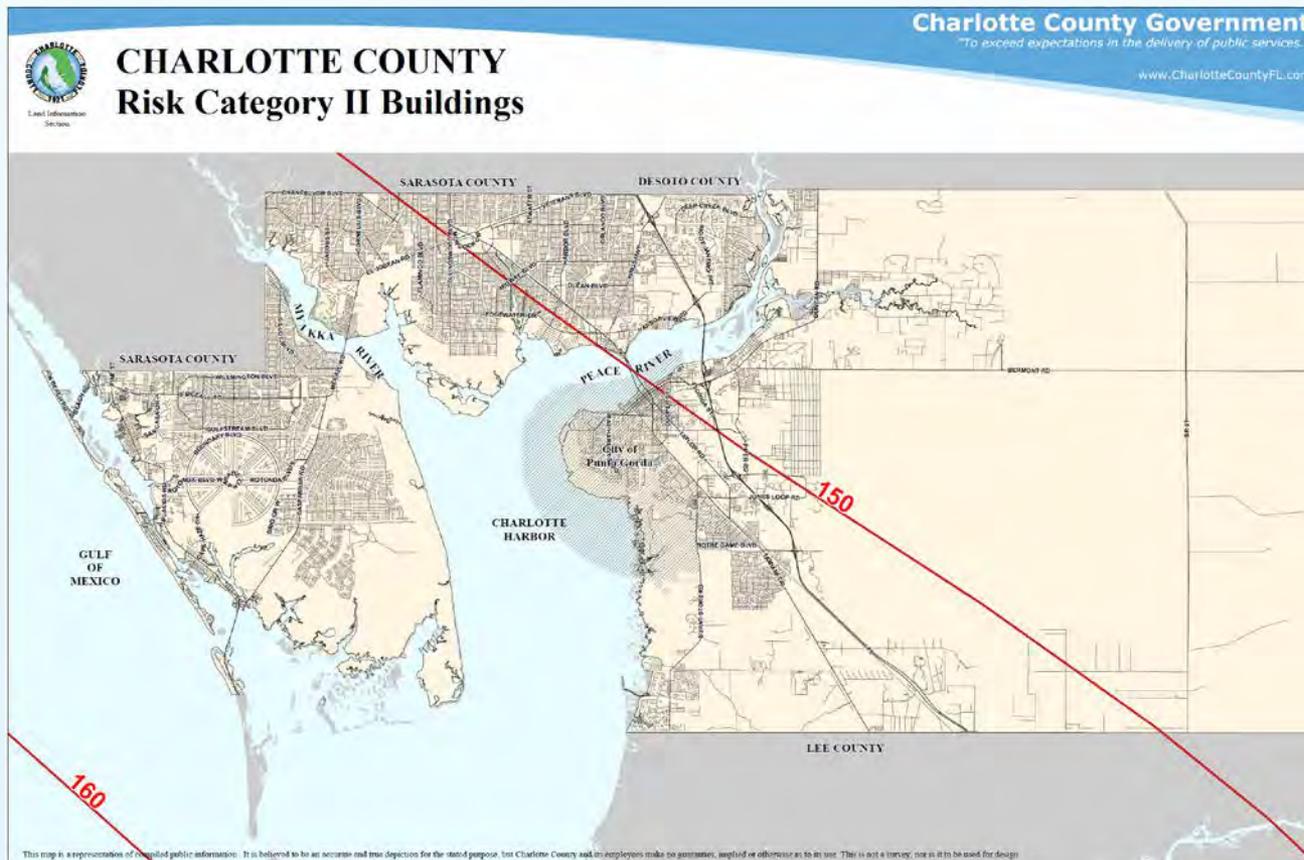
Buildings that are not risk category 1, 3, or 4.





Basics of Permit Application

- Risk Category 2 Charlotte County map





Basics of Permit Application

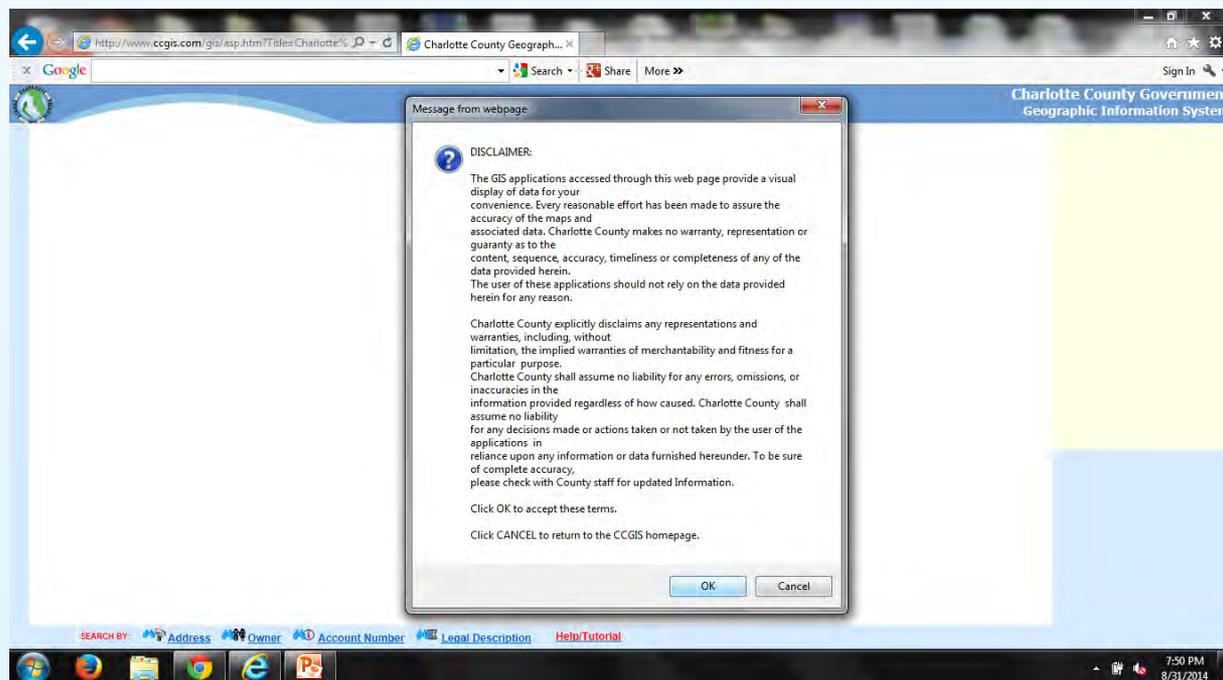
- Wind-zone and Exposure: www.ccgis.com
 - Enter Mapping Site

The screenshot displays the Charlotte County Florida Government Portal. The main navigation bar includes links for HOME, NEWS, TRANSPARENCY, WORKING, LIVING, PLAYING, QUESTIONS, and a SEARCH field. A central banner features a photograph of a Barred Owl in flight, with the text "Barred Owl in Flight - Port Charlotte, FL" and "Photographer: John Elias". Below the banner, the "Geographic Information Systems (GIS)" section is highlighted, containing a link for "Enter Mapping Site" with the description "Interactive mapping site of GIS data within Charlotte County." Other visible links include "Download PDF Maps" and "All Access e-Services & Answers". The bottom of the page shows a Windows taskbar with the date 8/31/2014 and time 7:48 PM.



Basics of Permit Application

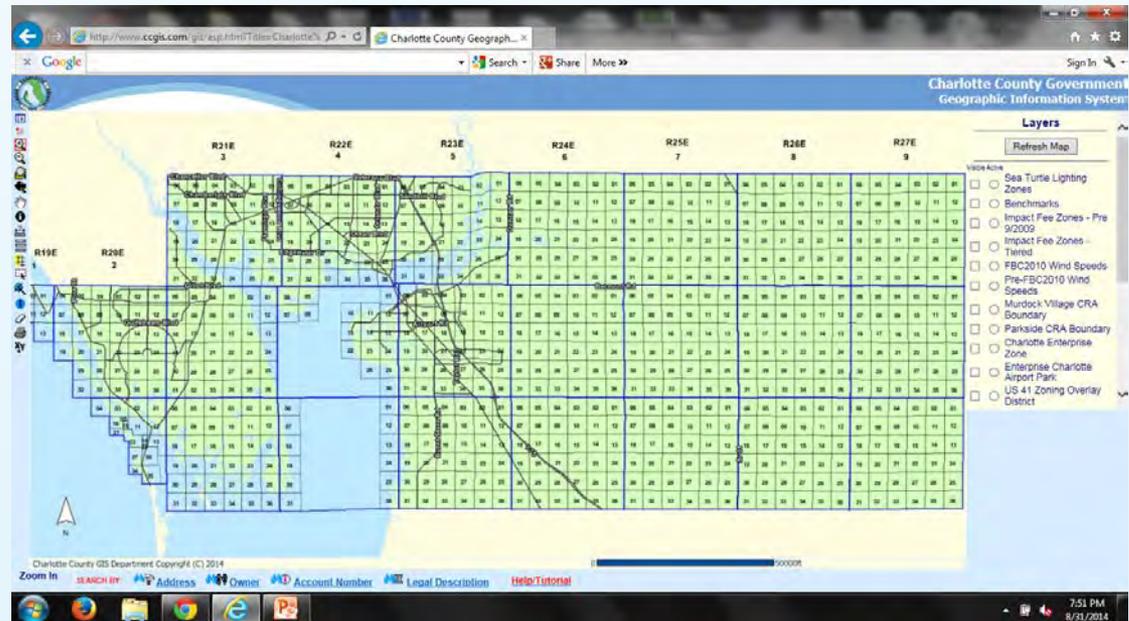
- Wind-zone and Exposure: www.ccgis.com
 - Accept disclaimer





Basics of Permit Application

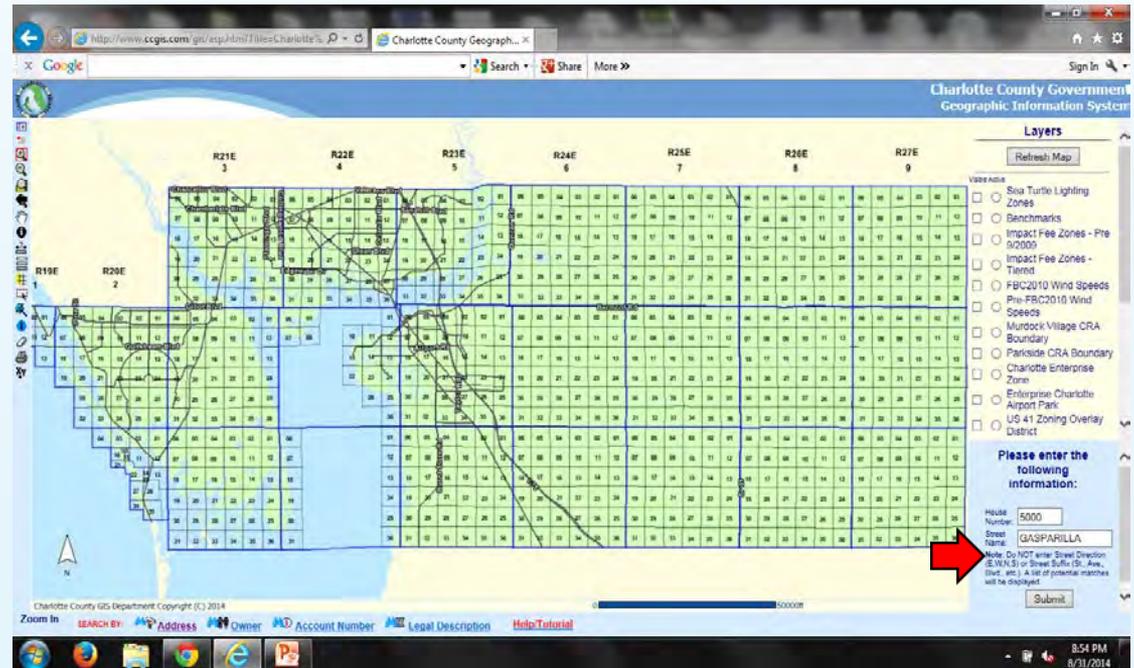
- -and Exposure: www.ccgis.com
 - Search by:
 - Address
 - Owner
 - Account #
 - Legal





Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Search by:
 - Address
 - Owner
 - Account #
 - Legal





Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Search by:
 - Address
 - Owner
 - Account #
 - Legal

Address Search Results - Internet Explorer

Number	Building	Unit	Direction	Street Name	Street Type	Suffix	Account
18400				MURDOCK	CIR		400207429001

1 matching record.

Charlotte County GIS Department Copyright (C) 2014

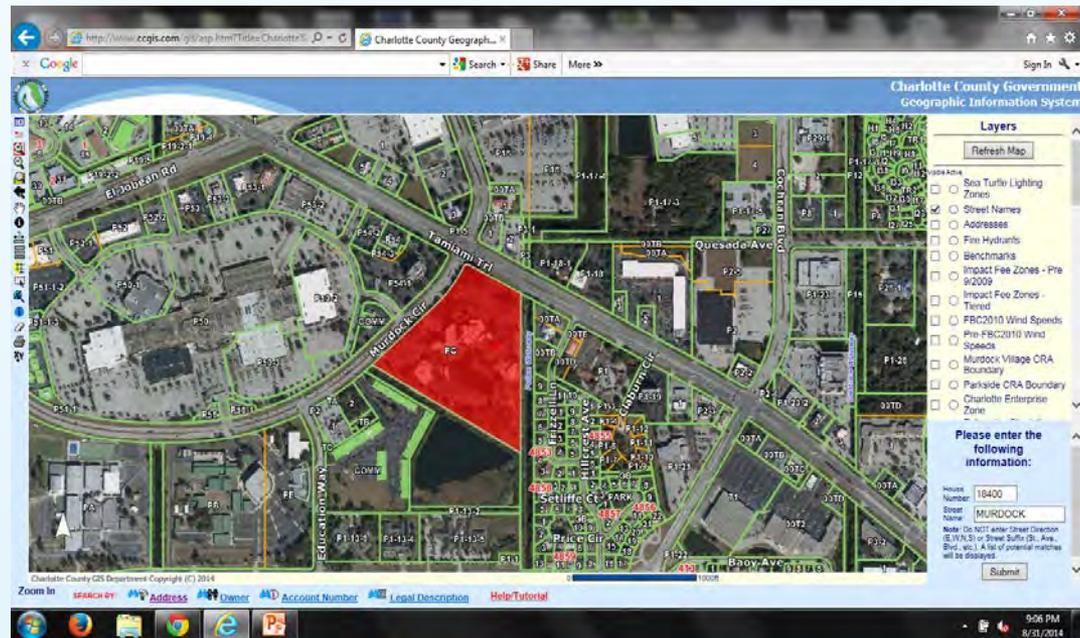
SEARCH BY: Address Owner Account Number Legal Description Help/Tutorial

9:04 PM 8/31/2014



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Search by:
 - Address
 - Owner
 - Account #
 - Legal





Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Risk Category:
 - Cat. 1
 - Cat. 2
 - Cat. 3

The screenshot displays the Charlotte County GIS Department's web application. The map shows a grid of impact fee zones with various streets labeled, including Collinswood Blvd, Veterans Blvd, Peachland Blvd, Tamiami Trl, Murdock Cir, and Cochran Blvd. A red arrow points to the 'Identify Key Layers' button at the bottom left of the map area.

Layers

Refresh Map

Visible Active

- Sea Turtle Lighting Zones
- Benchmarks
- Impact Fee Zones - Pre 9/2009
- Impact Fee Zones - Tiered

SrcID	196103
Account Number	402207428001
Risk Category 1	140 mph
Risk Category 2	150 mph
Risk Category 3 and 4	160 mph

Charlotte County GIS Department 25/08/14

Identify Key Layers SEARCH BY: Address Owner Account Legal Help



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Risk Category:
 - Cat. 1
 - Cat. 2
 - Cat. 3

The screenshot displays the Charlotte County GIS Department website. The map shows a grid of impact fee zones with various streets labeled, including Collinswood Blvd, Veterans Blvd, Peachland Blvd, Murdock Cir, Cochran Blvd, and Tamiami Trl. A table on the right side of the page provides details for the selected zone.

SrcID	196103
Account Number	402207428001
Risk Category 1	140 mph
Risk Category 2	150 mph
Risk Category 3 and 4	160 mph

At the bottom of the page, there is a navigation bar with links for "Identify Key Layers", "SEARCH BY:", "Address", "Owner", "Account", "Legal", and "Help". A red arrow points to the "Account" link.





Basics of Permit Application

- #2 of top ten application mistakes:
Exposure not indicated or wrong

ROOF MODIFICATION PERMIT APPLICATION IN COMPLIANCE WITH FBC 2010

Job Site Details

Description of work to be done: _____

Address: _____ Unit # _____

Number Name Type:(St., Dr., Pkwy., Blvd., etc.)

Tax Folio # _____ Lot _____ Block _____ Subdivision _____

Section _____ Township _____ Range _____ Wind Zone _____ Exposure _____ Flood Zone _____

This building will be used as _____ Map Page _____ Year Built _____

Zoning Class _____ Construction Cost (excluding lot but including labor) _____

Roof Replacement Roof Re-Cover Roof Repair Building Valuation _____



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Exposure B or C or D ?

The basic wind exposure for Charlotte County is Exposure C, wherever exposure B or D are not applicable.



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Surface Roughness B: Urban and suburban areas with numerous closely spaced obstruction of a size of a single family dwelling or larger.
 - Exposure B: Buildings with a mean roof height of less or equal to 30' in surface roughness B for at least 1,500' or height more than 30' with surface roughness B of 2,600'.



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Exposure B





Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Surface Roughness C: Open terrain with scattered obstructions heights less than 30’.
 - Exposure C: Applies where exposure B or D do not apply.



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Exposure C





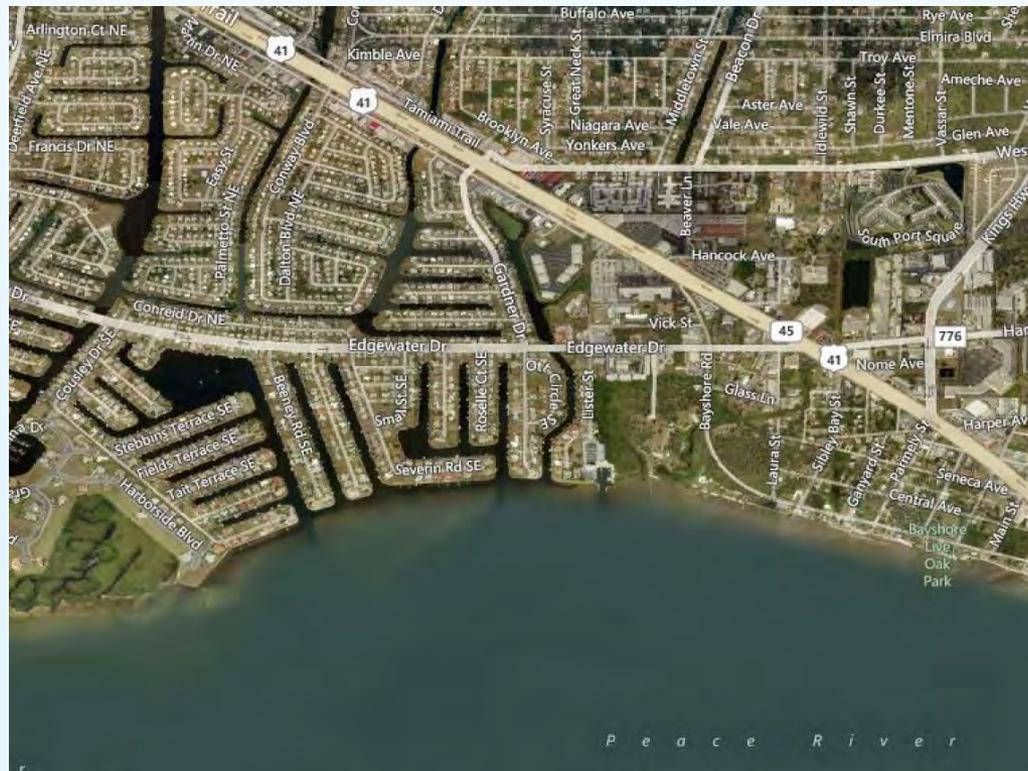
Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Surface Roughness D: Flat, unobstructed areas and water surfaces.
 - Exposure C: Surface Roughness D for 5,000' or 20 times the height of the building. Also applies in exposure B or C within 600' or 20 times the building height from exposure D.



Basics of Permit Application

- Wind-zone and Exposure: www.ccgis.com
 - Exposure D





Basics of Permit Application

- #3 of top ten application mistakes:
Building use not indicated (Residential/Storage)

ROOF MODIFICATION PERMIT APPLICATION IN COMPLIANCE WITH FBC 2010

Job Site Details

Description of work to be done: _____

Address: _____ Unit # _____

Number Name Type:(St., Dr., Pkwy., Blvd., etc.)

Tax Folio # _____ Lot _____ Block _____ Subdivision _____

Section _____ Township _____ Range _____ Wind Zone _____ Exposure _____ Flood Zone _____

→ This building will be used as _____ Map Page _____ Year Built _____

Zoning Class _____ Construction Cost (excluding lot but including labor) _____

Roof Replacement Roof Re-Cover Roof Repair Building Valuation _____



Basics of Permit Application

- Year built and valuation can be also found at www.ccgis.com at www.ccappraiser.com



Preliminary 2014 Value Summary

	Land	Land Improvements	Building	Damage	Total
Cost Approach	\$7,680	\$764	\$127,174	\$0	\$135,618
Income Approach					N/A
Market Approach					\$122,050
Classified Value					N/A

2014 Preliminary Tax Roll Values, as of January 1, 2014

*Preliminary values within this box are NOT certified (final) values. Consequently, they can change periodically as records are updated. Notices of Proposed Property Taxes (TRIM Notice) are typically mailed mid-August and final values certified mid-October.

	Non-School	School
Certified Just Value <small>(Just Value reflects 100.011 adjustment)</small> :	\$102,820	\$102,820
Certified Assessed Value:	\$80,250	\$80,250
Certified Exemptions:		
21 Total/Permanent Veteran Disability	\$80,250	\$80,250
Certified Taxable Value:	\$0	\$0

Duplicate Notice of Proposed Property Taxes



Basics of Permit Application

- Building valuation: Important for compliance with Section 553.844 Florida Statutes (Hurricane Mitigation Retrofits for Existing Site-Built SFR).



Basics of Permit Application

- 101.1 When a roof is replaced:
 - Roof decking attachment and fasteners shall be strengthened and corrected.
 - A secondary water barrier shall be provided.



Basics of Permit Application

- 101.2 When the house insured value or just value is at \$300,000 or more.
 - Roof to wall connections shall be improved (up to 15% of the cost of re-roofing). Where complete retrofits will exceed 15% of the cost priorities per section 201.3 apply.



Basics of Permit Application

- 101.3 For permits applied for on or after July 1, 2008, at estimated cost is \$50,000 or more, located in the wind-borne debris region, and an insured or just value of \$750,000 or more.
 - Opening protection shall be provided.



Basics of Permit Application

- #5 of top ten application mistakes:
Mean roof height not indicated or wrong

ROOF COVERING MATERIAL

Asphalt Shingles
 Wood Shingles
 Metal
 Modified Bitumen
 Concrete Tile
 Clay Tile
 Built-up
 Other _____

Ridge Ventilation Existing New None

System 1

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 1-Underlayment Type/Product Approval * _____
System 1- Roof Covering Product Approval * _____

System 2

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 2-Underlayment Type/Product Approval * _____
System 2- Roof Covering Product Approval * _____

Mean Roof Height _____

When using RAS, provide copy of RAS, specifications and charts.



Basics of Permit Application

- #6 of top ten application mistakes:
Existing deck type and thickness

ROOF COVERING MATERIAL

Asphalt Shingles
 Wood Shingles
 Metal
 Modified Bitumen
 Concrete Tile
 Clay Tile
 Built-up
 Other _____

Mean Roof Height _____

When using RAS, provide copy of RAS, specifications and charts.

Ridge Ventilation Existing New None

System 1	System 2
Insulation and Type _____	Insulation and Type _____
Existing Deck Type _____	Existing Deck Type _____
Slope _____ # Sq's _____	Slope _____ # Sq's _____
System 1-Underlayment Type/Product Approval * _____	System 2-Underlayment Type/Product Approval * _____
System 1- Roof Covering Product Approval * _____	System 2- Roof Covering Product Approval * _____



Basics of Permit Application

- #7 of top ten application mistakes:
Roof slope

ROOF COVERING MATERIAL

Asphalt Shingles
 Wood Shingles
 Metal
 Modified Bitumen
 Concrete Tile
 Clay Tile
 Built-up
 Other _____

Mean Roof Height _____

When using RAS, provide copy of RAS, specifications and charts.

Ridge Ventilation Existing New None

System 1

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 1-Underlayment Type/Product Approval * _____
System 1- Roof Covering Product Approval * _____

System 2

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 2-Underlayment Type/Product Approval * _____
System 2- Roof Covering Product Approval * _____



Basics of Permit Application

- Check minimum required windload.

↓

WINDSPEED 160 Vult 	Mean Roof Height 15'	Low slope (less than 2:12)	Mid slope (2:12 to 7:12)	Steep slope (more than 7:12)		
	EXPOSURE	MIN. PRESSURES	EXPOSURE	MIN. PRESSURES	EXPOSURE	MIN. PRESSURES
	B	<input type="checkbox"/> +16/-70	B	<input type="checkbox"/> +16/-65	B	<input type="checkbox"/> +25/-32
	C	<input type="checkbox"/> +16/-84	C	<input type="checkbox"/> +19/-79	C	<input type="checkbox"/> +31/-39
	D	<input type="checkbox"/> +17/-103	D	<input type="checkbox"/> +23/-96	D	<input type="checkbox"/> +37/-48
	D	<input type="checkbox"/> +17/-103	D	<input type="checkbox"/> +23/-96	D	<input type="checkbox"/> +37/-48
WINDSPEED 160 Vult 	Mean Roof Height 30'	Low slope (less than 2:12)	Mid slope (2:12 to 7:12)	Steep slope (more than 7:12)		
	EXPOSURE	MIN. PRESSURES	EXPOSURE	MIN. PRESSURES	EXPOSURE	MIN. PRESSURES
	B	<input type="checkbox"/> +16/-70	B	<input type="checkbox"/> +16/-65	B	<input type="checkbox"/> +25/-32
	C	<input type="checkbox"/> +16/-98	C	<input type="checkbox"/> +22/-91	C	<input type="checkbox"/> +35/-45
	D	<input type="checkbox"/> +19/-116	D	<input type="checkbox"/> +26/-108	D	<input type="checkbox"/> +42/-54
	D	<input type="checkbox"/> +19/-116	D	<input type="checkbox"/> +26/-108	D	<input type="checkbox"/> +42/-54



Basics of Permit Application

- #8 of top ten application mistakes:
Quantity of the area in squares (100 sf=1 square

ROOF COVERING MATERIAL

Asphalt Shingles
 Wood Shingles
 Metal
 Modified Bitumen
 Concrete Tile
 Clay Tile
 Built-up
 Other _____

Mean Roof Height _____

When using RAS, provide copy of RAS, specifications and charts.

Ridge Ventilation Existing New None

System 1

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 2

Insulation and Type _____
Existing Deck Type _____
Slope _____ # Sq's _____

System 1-Underlayment Type/Product Approval * _____
System 1- Roof Covering Product Approval * _____
System 2-Underlayment Type/Product Approval * _____
System 2- Roof Covering Product Approval * _____



Basics of Permit Application

- #9 & #10 of top ten application mistakes:
Product approvals not indicated or wrong

ROOF COVERING MATERIAL

Asphalt Shingles
 Wood Shingles
 Metal
 Modified Bitumen
 Concrete Tile
 Clay Tile
 Built-up
 Other

Mean Roof Height

When using RAS, provide copy of RAS, specifications and charts.

Ridge Ventilation Existing New None

System 1

Insulation and Type
Existing Deck Type
Slope # Sq's

System 1-Underlayment Type/Product Approval *
System 1- Roof Covering Product Approval *

System 2

Insulation and Type
Existing Deck Type
Slope # Sq's

System 2-Underlayment Type/Product Approval *
System 2- Roof Covering Product Approval *





Basics of Permit Application

- Product approvals can be found at www.floridabuilding.org

Florida Department of Business & Professional Regulation

BCIS Home | Log In | Register | Hot Topics | Stats and Facts | Publications | FBC Staff | Links

Florida Building Commission

Florida Building Code

Product Approval

Manufactured (Modular) Buildings

Proposed Code Modifications

Education and Accreditation

Binding Interpretations

Surcharge

Commission Meeting Streaming Video

Accessibility

The Effective Date for the Florida Building Code 5th Edition (2014) is to be determined

Division of Professions
FLORIDA BUILDING COMMISSION
CODES AND STANDARDS
Department of Business and Professional Regulation

FLORIDA BUILDING COMMISSION

"STRONGER CODES THROUGH SCIENCE AND CONSENSUS"

September 2014



Basics of Permit Application

- Product approvals can be found at www.floridabuilding.org

Florida Department of Business and Professional Regulation
Product Approval
USER: Public User

Product Approval Menu > Product or Application Search

You can search for products by FL number or by any search criteria. Each criteria selected narrows the scope of your search so be sure to start broad by selecting only one or two criteria. If you have the FL#, enter the FL# and the appropriate code version of the application and click search. If you are seeking the FL# (State Product Approval Number), select the product manufacturer and the code version and click search.
Please note that the default code version is 2010 Florida Building Code which became effective March 15, 2012. Some searches may require you to select more than one criteria to limit large system searches.

Search Criteria

Application

Generate Output HTML Crystal Report

Code Version 2010

FL # FL (Application: ##### or Product: #####, #)

Application Type (Select All)

Product Manufacturer (Select All)

Category (Select All)

Subcategory (Select All)

Application Status (Select All)

Compliance Method (Select All)

Quality Assurance Entity

Contract Expired

Product

Product Model, Number or Name

Product Description

Approved for use in HVHZ (Select All)

Approved for use outside HVHZ (Select All)

Impact Resistant



Basics of Permit Application

- Product approvals can be found at www.floridabuilding.org

FL #	Model, Number or Name	Description
1956.1	Elite Glass-Seal	A three tab asphalt shingle. Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment. Certification Agency Certificate FL1956_R9_C_CAC_Tamko Serv Conf FL 1956_2012.pdf FL1956_R9_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 10/10/2015 Installation Instructions FL1956_R9_II_glass_seal_elite_app_inst_april_10.pdf FL1956_R9_II_glass_seal_elite_app_inst_f_april_10.pdf FL1956_R9_II_TAMKO Glass-Seal Elite Glass-Seal (Frederick Junin Tuscaloosa).pdf Verified By: Robert Nieminen 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.2	Glass-Seal	A three tab asphalt shingle. Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment. Certification Agency Certificate FL1956_R9_C_CAC_Tamko Serv Conf FL 1956_2012.pdf FL1956_R9_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 10/10/2015 Installation Instructions FL1956_R9_II_glass_seal_elite_app_inst_april_10.pdf FL1956_R9_II_TAMKO Glass-Seal Elite Glass-Seal (Frederick Junin Tuscaloosa).pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.3	Heritage	A dimensional asphalt shingle. Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment. Certification Agency Certificate FL1956_R9_C_CAC_Tamko Serv Conf FL 1956_2012.pdf FL1956_R9_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 10/10/2015 Installation Instructions FL1956_R9_II_heritage_app_inst_sept_12.pdf FL1956_R9_II_heritage_app_inst_frederick.pdf Verified By: Robert J. M. Nieminen FL 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.4	Heritage	A dimensional asphalt shingle.

1956.3 Heritage
Limits of Use
Approved for use in HVHZ: No
Approved for use outside HVHZ: Yes
Impact Resistant: N/A



Basics of Permit Application

- Product approvals can be found at www.floridabuilding.org

W-11	inch plywood
W-12	Min. 19/32-inch plywood



FL1654_R13_E_2014_06_FINAL_A1_ER_POLYGLASS_MOIBIT_FL1654-R13.pdf - Adobe Acrobat Pro

Trinity ERD

TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (Track-One) OR RECOVER
SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover			MDP (psf)
			Type	Fasten	Attach	Base	Ply	Cap	
W-11	Min. 19/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch StructoDeck High Density Fiberboard Roof Insulation or min. 0.25-inch Dens Deck, Dens Deck Prime or SECURDOCK Gypsum-Fiber Roof Board	DeckFast Galvalume Steel Hex with DeckFast #12 DP	1 per 1.53 sq ft	(Optional) if using AA Base: AA Ply) BP-AA, SB3-AA	(Optional) One or more SB3-AA, SB5-TA or APP-TA	SB3-AA, SB5-TA, APP-TA	-82.5
W-12	Min. 19/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min. 1 1/4-inch ENRGY 3, H-Shield or Polytherm	DeckFast Galvalume Steel Hex with DeckFast #12 DP or TruFast MP-3 with TruFast DP	1 per 1.53 sq ft	SB5-SA	(Optional) One or more SB3-SA, SB5-TA	SB3-SA, APP-SA, SB5-TA	-82.5
W-13	Min. 19/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min. 1 1/4-inch ENRGY 3, H-Shield or Polytherm	DeckFast Galvalume Steel Hex with DeckFast #12 DP or TruFast MP-3 with TruFast DP	1 per 1.53 sq ft	PolyFlex SA Base	(Optional) One or more APP-TA	APP-TA	-82.5

TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (Track-One) OR RECOVER
SYSTEM TYPE D: PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASK SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer(s)		Base Sheet			Roof Cover		MDP (psf)
		Type	Attach	Base	Fasten	Attach	Ply	Cap	
W-14	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase, Elastobase Poly, Polyglass G2 Base, CertainTeed GlasBak, Firestone MB Base, JM Ferroc Ply 20, Tarko Glass Base or GAFGLAS #75	OMG Flat Bottom Plates (square) with Roofgrip #14, DeckFast Hex with DeckFast #14 or TruFast MP-3 with TruFast HD	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or more BP-AA, SB3-AA, SB5-TA or APP-TA	SB3-AA, SB5-TA, APP-TA	-82.5
W-15	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase or Elastobase Poly with poly top surface	DeckFast Hex with DeckFast #14 or TruFast MP-3 with TruFast HD	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	One or more SB3-SA	SB3-SA, APP-SA, SB5-TA or APP-TA	-52.5*
W-16	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase or Elastobase Poly with poly top surface	DeckFast Hex with DeckFast #14 or TruFast MP-3 with TruFast HD	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	PolyFlex SA Base	APP-TA	-52.5*
W-17	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase or Elastobase Poly	OMG Flat Bottom Plates (square) with Roofgrip #12	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or more BP-AA, SB3-AA, SB5-TA or APP-TA	SB3-AA, SB5-TA, APP-TA	-60.0
W-18	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase or Elastobase Poly with poly top surface	OMG Flat Bottom Plates (square) with Roofgrip #12	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	One or more SB3-SA	SB3-SA, APP-SA, SB5-TA or APP-TA	-60.0*
W-19	Min. 19/32-inch plywood	One or more layers, any combination	Prelim. Attached	Elastobase or Elastobase Poly with poly top surface	OMG Flat Bottom Plates (square) with Roofgrip #12	12-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	PolyFlex SA Base	APP-TA	-60.0*

Exterior Research and Design, LLC. c/o Trinity ERD
Certificate of Authorization #5503
Prepared by: Robert Niemeyer, PE 59166

Evaluation Report PR290.02.08-#11 for FL1654-R13
Revision 11: 06/30/2014
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W-11	inch plywood	-82.5
W-12	Min. 19/32-inch plywood	-82.5



Basics of Permit Application

- Product approvals can be found at http://www.miamidade.gov/building/pc-search_app.asp

The screenshot shows the Miami-Dade County Building Department website. The main navigation bar includes links for Home, Building, Business, Environment, Licenses, Permits, Planning, and Zoning. The 'Building' section is active. Below the navigation, there is a 'Product Control Search' section. It features a search input field with a 'Go' button next to it. A red arrow points to this 'Go' button. Below the search input, there are several dropdown menus for 'File Classification', 'Applicant', and 'Category', each with a 'Go' or 'Reset' button. The 'MIAMI-DADE COUNTY APPROVED' logo is visible in the top right corner of the search area.



Standard inspections for re-roof

- Roof Re-nail Decking: Existing roof is torn off. Assure that deck is adequate for new installation. Re-nail as required per F.S. 533.844





Standard inspections for re-roof

- Roof to wall connections- Strapping (when required per FS 533.844)





Standard inspections for re-roof

- Roof Affidavit Notarized (per FS 553.844):
 - Must be filled out by a licensed contractor, registered engineer or architect or licensed building inspector.
 - Certifies inspection of roof deck nailing, secondary water barrier, and roof to wall connections.
 - Must include pictures of each plane of the roof with the roof permit and address on it.



Standard inspections for re-roof

- Roof Dry-in: Once underlayment is complete.





Standard inspections for re-roof

- Roof Final





Top Inspection Mistakes

- #1 - On shingle roofs, contractors are typically not aware of the secondary water barrier requirement.





Top Inspection Mistakes

- #2 – Fail to install 2 ply-in on shingle roofs with low slope (does not apply to self-adhered membrane).

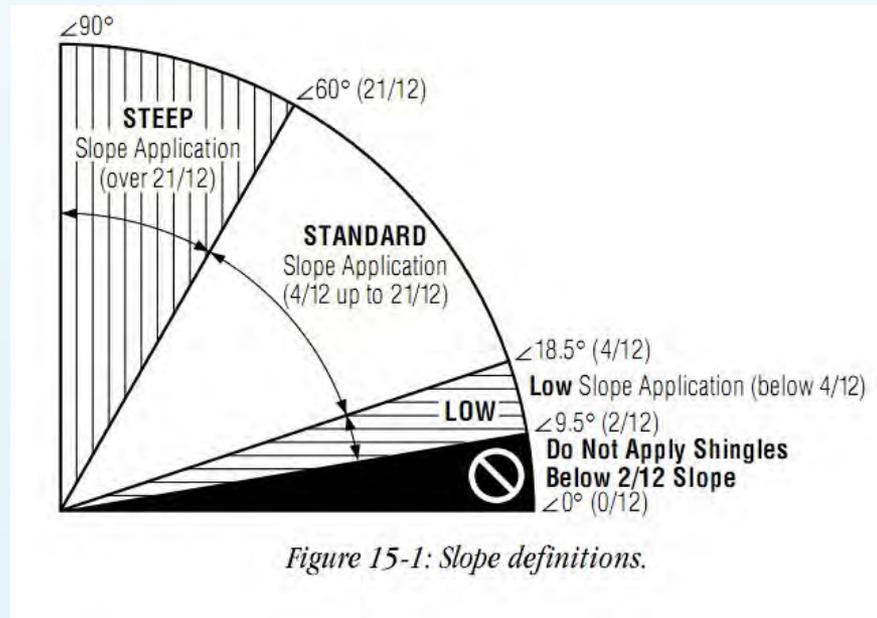
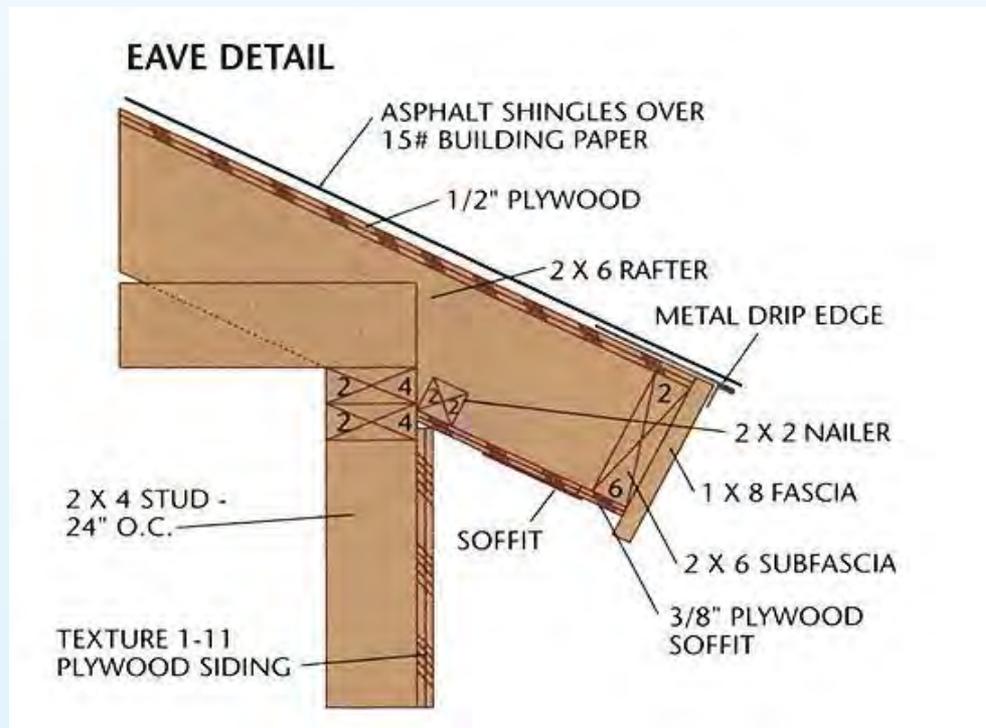


Figure 15-1: Slope definitions.



Top Inspection Mistakes

- #3 – Fail to do proper overlap and meet nailing of eave drip requirements.





Top Inspection Mistakes

- #4 – Fail to follow manufacturer's specification per product approval as:
 - Shingle layout pattern
 - Nail placement
 - Installation of flashing, etc.



Top Inspection Mistakes

- #5 – Failure to meet uplift criteria on underlayment attachment





Top Inspection Mistakes

- #6 – Fail to install self-adhered underlayment per manufacturer's specs.





Top Inspection Mistakes

- #7 – Must install hip and ridge nailers on tile roof systems. The roofs must be permitted either with Miami-Dade NOA or Florida Product Approval.
 - If NOA: must follow RAS guidelines
 - If Florida Product Approval: use product specs as well as FRSATPI 4th edition for tile roofs .



Permit information on-line

- Register to follow and schedule online at <https://apps2.charlottecountyfl.gov/CitizenAccess/BOCC.aspx>

Charlotte County, Florida
Government Portal

Select "Register for an Account" →

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Register for an Account

Search

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Online Services are available 24 hrs a day, 7 days a week.
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Questions?

For specific technical or permit questions please contact the Charlotte County Building Construction Services Department at:

18400 Murdock Circle
Port Charlotte, FL. 33948
(941) 7431201