

## FORM 400 - REROOFING INSTALLATION SUMMARY FORM-FLAT ROOFING

		□ <u>M</u>	ain House or Dup	<u>ex</u>	
SITE ADDRESS: EXISTING Flat Roof System:			ccessory Structure of Area (SORs):	(Detached Gara	ge, Shed, etc.)
☐ AERIAL DEPICTION of Stru					()
DESIGN WIND UPLIFT Pressu		_	•		(psf)
TESTS/ REPORTS/ CALCUATION	ONS			_	
Roof Moisture Survey and Pull-Test (PERFORMED BY AN	Report-REQUIRED when Re-	- <i>Covering</i> or	Partial Re-roof (PREP	ARED BY AN APPROVE	) TESTING AGENCY)
☐ Enhanced Fastening Spe	ecifications (FL ENGINEER, A	ARCHITECT or	ROOFING CONSULTANT-	– ONLY IF allowed in pr	oduct approval)
<b>EXCEPTION:</b> Flat roofs not over 40 edges may be specified by the contributions.		r each way fa	estening of tin-tagged	base sheets within	4 ft. of roof
**SUPPLEMENTAL DETAIL	s and Information (Ide	entify all it	ems related to th	e site-specific co	nditions)
<ul><li>☐ MANDATED RETROFITS-</li><li>☐ Tie-In Detail (REQUIRED)</li><li>☐ Verify Roof Deck Attach</li></ul>	ment-Per 2023 Existing	g FBC-706 8	& Table 706.7.1.2		Retrofit Form
☐ Recover/ Roof-over (ALL I					
☐ Skylights/ Vents/ etc. (RE		Product Ap	proval #	(A	ATTACHED)
☐ Sheath-Over (ENGINEERING					
☐ Repair (<25% ROOF AREA-PER	1511.1.1 FBC 2023				
FLAT ROOF SYSTEM Specifica	ations:				
☐ BUILT-UP ROOF System/					
	Sure (FROM ATTACHED CHAR				
Requirements Above)	olift Pressure (PER Product /				
	# with Design pressures	· -			
•	nents (Identify in Product A ayers/ Cover Board/ Ply S			cifications):	
·	Tycis, cover board, Try	Silects/ Ca	p sheet, other,		
☐ SINGLE-Ply System					
A. Design Pressure (s B. Max Allowable Pr	SEE ATTACHED CHART): CSSUre (PER Product Approva		/If A> D. Coo	Enhanced Nailing Dogs	
	with Design pressures)				
	Product Approval):				
E. Insulation Layer(s	):				
F. Cover Board:					
G. Other:					
<b>ROOF COATING</b> – Product Ap	proval #:		System:		
Existing Roof Assembly:					
☐ Proof of Material Compa					
Affidavit: I hereby certify that I					
Qualifier Name	 Qualifier Sig	gnature	<del></del>	Date	



## SIMPLIFIED ROOF UPLIFT CHART FOR ROOFING APPLICATIONS

This simplified chart represents the worse-case wind pressures for the various roof slopes and heights. This chart is based on a

Tributary Area = 10 SF which is required for roofing applications. If the roof height is less than 30 feet, but not exactly 15, 20, or 25 feet, you will need to go to the
next higher roof height. If your roof is higher than 30 feet, these charts do not apply. Refer to Roof Chart Diagrams on Page 1 for Roof Zone Locations.

				MEAN ROOF HE	IGHT = 15 FEET			
				Gable Roof			Hip R	oof
Flat	Roof	1.51	to 4:12	4.1 to 6:12	6.1 to 12:12	1.51 1	1.51 to 4:12	
Positive*	15.4/38.0	Positive 23.2		Positive 23.2	Positive 34.7	Positive 28.3		Positive 28.3
Zone		Zone	Roof	Roof	Roof	Zone	Roof	Roof
1	-60.5	1, 2e	-70.1	-54	-63.7	1	-63.7	-50.8
1'	-34.8	2n & 2r	-102	-86.2	-70.1	2e	2e -89.4	-70.1
2	-79.8	3e	-102	-86.2	-86.7	2r	-83	-70.1
3*	-109	3r	-102	-102	-70.1	3	-89.4	-70.1
				MEAN ROOF HEIO	GHT = 20 FEET			
F1 .	D 6			Gable Roof			Hip R	oof
Flat	Roof	1.51	to 4:12	4.1 to 6:12	6.1 to 12:12	1.51 t	to 4:12	4.1 to 6:12
Positive*	16.4/40.3	Positi	ve 24.6	Positive 24.6	Positive 36.9	Positi	ve 30.1	Positive 30.1
Zone		Zone	Roof	Roof	Roof	Zone	Roof	Roof
1	-64.2	1, 2e	-74.5	-57.4	-67.7	1	-67.6	-54
1'	-36.9	2n & 2r	-109	-91.5	-74.5	2e	-95	-74.5
2	-84.8	3e	-109	-91.5	-92.1	2r	-88.1	-74.5
3*	-116	3r	-129	-108	-74.5	3	-95	-74.5
				MEAN ROOF HEI	GHT = 25 FEET			
Flat	Roof			Gable Roof			Hip R	oof
	Root	1.51	to 4:12	4.1 to 6:12	6.1 to 12:12	1.51 t	to 4:12	4.1 to 6:12
Positive*	17.2/42.3	Positi	ve 25.8	Positive 25.8	Positive 38.7	Positi	ve 31.5	Positive 31.5
Zone		Zone	Roof	Roof	Roof	Zone	Roof	Roof
1	-67.3	1, 2e	-78.1	-60.2	-70.9	1	-70.9	-58.6
1'	-38.7	2n & 2r	-114	-96	-78.1	2e	-99.6	-78.1
2	-88.8	3e	-114	-96	-96.6	2r	-92.4	-78.1
3*	-121	3r	-135	-113	-78.1	3	-99.6	-78.1
		ī		MEAN ROOF HEIG	$\overline{GHT} = 30 \overline{FEET}$	1		
Flat	Roof		-	Gable Roof			Hip R	oof
- 1111	1.51 to 4:12		4.1 to 6:12	6.1 to 12:12	1.51 t	to 4:12	4.1 to 6:12	
Positive*	17.9/43.9	Positi	ve 26.8	Positive 26.8	Positive 40.2	Positive 32.8		Positive 32.8
Zone		Zone	Roof	Roof	Roof	Zone	Roof	Roof
1	-70	1, 2e	-81.1	-62.6	-73.7	1	-73.7	-58.8
1'	-40.2	2n & 2r	-118	-99.8	-81.1	2e	-103	-81.1
2	-92.3	3e	-118	-99.8	-100	2r -96		-81.1
3*	-126	3r	-141	-118	-81.1	3	-103	-81.1

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## **Mandated Retrofits of Roof-to-Wall Connection**

THIS FORM MUST BE FILLED OUT AND INCLUDED WITH ALL RE-ROOFING APPLICATIONS FOR EXISTING STRUCTURES WITH WOOD ROOF DECKS.

Address:
For the purpose of this document, "Sections" as cited below are from the Florida Building Code-Existing Building, 8 <sup>TH</sup> Edition (2023) Section 706.8, unless otherwise noted.
When the roof covering on an existing structure with a wood roof deck is removed and replacedthe structure shall be evaluated for mandated retrofits of the roof-to-wall connections in accordance with Section 706.8.
<ol> <li>Was permit for the original construction of the building applied for on or after <u>January 1, 1990</u>?</li> <li>Yes – The application date was on or after January 1, 1990.</li> <li>** Proceed to signature and permit submittal. (Attach documentation verifying the application date)</li> <li>No – The application date was prior to January 1, 1990.</li> <li>** Continue with questions and details below.</li> </ol>
2. Applicant must provide one of the following to document the value of the building.
<ul> <li>Copy of current home insurance summary sheet.</li> <li>Copy of the latest Tax Bill or Property Appraiser Valuation for the structure (the <i>Appraised Improvement Value</i> determines the threshold amount).</li> </ul>
<ul> <li>3. Based on the documentation provided, is the value of the Building \$300,000 or more?</li> <li>No - Building is valued at less than \$300,000</li> <li>** Proceed to signature and permit submittal.</li> <li>Yes - Building valuation exceeds \$300,000</li> <li>** Enhanced Roof-to-Wall connections are required unless meeting one of the following exceptions:</li> </ul>
☐ <b>Exception 1:</b> Cost of "evaluation and roof-to-wall connections" at gable ends or <b>all</b> corners will exceed 15% of the cost of the roof replacement (attach professional estimate by a Florida Licensed General or Building Contractor).
☐ Exception 2: Analysis submitted by FL Design Professional validates the existing roof-to-wall load path connections are compliant for the applicable wind loads in Table 706.8.1.
COMPLIANCE Options to Complete Mandated Retrofits (Identify one)
<ul> <li>□ Prescriptive Retrofit Procedures.</li> <li>• Roof-to-wall connections will be enhanced using the prescriptive measures in Sections 706.8.1.3 – 7.</li> <li>• Priority of work shall be determined by Section 706.8.1.7.</li> <li>• Details provided on page 2</li> <li>□ Professional Design</li> <li>• Provide engineered design plan, and identify details on page 2</li> <li>If enhanced roof to wall connections are required, the following page (Connection Details) must also be completed and submitted along with a roof plan of the building, including span distances and gable/ hip locations identified. Plan should indicate areas to be retrofitted, connectors to be used, and fastener requirements. Please include product approvals for all the connectors specified.</li> </ul>
Qualifier or Owner/Builder Name (Print)  Qualifier or Owner/Builder Signature  Date

Exterior Wall Construction:
□ Wood □ CBS
☐ Other explain:
Roof Geometry:
☐ Gable ☐ Hip ☐ Flat ☐ Other explain:
Existing Anchors
Identify existing straps/anchors and fasteners (quantity & size) at areas proposed for retrofit.  Strap/Anchor: Fasteners:
Determine if Existing Straps were manufactured and rated for four (4) fasteners at each end.
<ul> <li>☐ YES - Existing Straps were manufactured and rated for four (4) fasteners at each end</li> <li>○ Specify additional fastener size and quantity:</li> </ul>
<b>NOTE:</b> A Roofing Contractor (CCC) may install the additional fasteners to the existing straps – Details shall be included in primary Reroof permit scope of work.
<ul> <li>□ NO - Existing Straps were not manufactured and rated for four (4) fasteners at each end</li> <li>○ Retrofit straps/anchors shall be added and installed (CGC, CBC or CRC required)</li> </ul>
<b>NOTE</b> : Installation of new straps/ anchors is outside the scope of a Roofing Contractor (CCC), and requires an appropriately licensed <i>building</i> Contractor (CGC, CBC or CRC).
Retrofit Straps/ Anchors (Minimum uplift capacity of 500 pounds each, unless designed by FL P.E.)
"B" Subpermit ("Mandated Retrofits, GC required") shall be added to the primary Reroof permi
Manufacturer:
Type/ Model:
Fasteners: (Nails, Screws, Bolts / Size / Quantity / Minimum Embedment / Spacing / etc.)
Qualifier or Owner/Builder Name (Print) Qualifier or Owner/Builder Signature Date