FORTIFIED Commercial™-Wind

New Construction & New Additions Form

This form captures the specific construction details for new construction and new additions to existing buildings. Qualifications for additions are listed in section 3.1.1.2.3 of the FORTIFIED Commercial—Wind standard.

This form is to be filled out by the project architect, a licensed structural engineer, and the general contractor and/or roofer. It confirms the requirements for the selected FORTIFIED level have been included in the building documents and the contractor and/or roofer is aware of these requirements.

Fill out only the applicable sections. For example, if a low-sloped roof is the only type of roof on the project, do not fill out the steep-slope section—mark the section as not applicable (N/A). Additionally, some portions pertain to only Hurricane or High Wind—fill out accordingly depending on your building's exposure.

•••	٠٠٢٠.	
	e DES e tha	SIGNER COMPLETING THIS CHECKLIST, understand and
и Б , -	1.	The FORTIFIED Commercial—Wind New Construction & New Additions Form must be completed FULLY and CORRECTLY for the applicable hazards.
	2.	I will provide engineered plans (and all other necessary documentation) that verify the structure meets FORTIFIED design criteria BEFORE construction starts. These plans and documents must be: Legible Complete Certified by the Professional of Record Included with this document
	3.	The plans submitted will comply with all local building codes and with the FORTIFIED Commercial criteria as detailed in the FORTIFIED Commercial—Wind standard.
Full I	Name	e:
Licer	nse/R	Registration Number:
Signa	ature	2:
Date	::	
Haz	zaro	d and FORTIFIED Level
Sele	ct the	e site-specific hazard¹: □ Hurricane □ High Wind
Sele	ct the	e FORTIFIED Commercia Wind level being pursued:
	FOR	TIFIED Roof™—Enhanced roof performance TIFIED Silver™—FORTIFIED Roof requirements plus building elope protection and reduction of business operations ratime

FORTIFIED Gold™—FORTIFIED Silver requirements plus enhanced structural performance and maintaining business

operations

Compliance Agreement

1.0 Buildi	ng Overview
Street Address:	
City:	
State:	
Zip Code:	
Please select th proximity to sal	e option which best describes the building's twater:
☐ Within 300 f	t
☐ More than 30	00 ft but less than 1,000 ft
☐ More than 1,	,000 ft but less than 3,000 ft
\square More than 3,	.000 ft
•	ection requirements outlined in section 3.1.4 of the mercial—Wind standard have been implemented.
Project Sta	atus
,	Date:
Tentative Comp	oletion Date:
Select the optio	on(s) which best describe the building:
☐ Stand-Alone	New Construction
☐ Addition(s) to	o Existing Buildings ²
□ Ext	rension to existing roof—connected roof structure
	sting conditions will need to be verified by the
_	gineer of record. The following verification/
cald	culations shall be submitted with this form:
	☐ Existing structural deck and framing members ☐ Structural deck attachments

¹ Hurricane-prone regions are areas vulnerable to hurricanes as defined in ASCE 7. See section 1.4 of the FORTIFIED Commercial–Wind standard for more information.

²Commercial buildings seeking a level other than FORTIFIED Roof may require additional calculations, existing conditions reports/testing, and other information that is outlined in FORTIFIED Silver and/or FORTIFIED Gold.

☐ Structural Interaction between the addition	riist iiiisiled ilooi elevatioii (it).
and existing structure.	FEMA-designated flood zone ³ :
□ Extension to existing roof—expansion joint Existing conditions will need to be verified by the engineer of record. The following verification/	If located in a FEMA-designated flood zone (V, A, B, D, and X-shaded), please select one of the following options:
calculations shall be submitted with this form: FORTIFIED Commercial—Wind, Existing Construction form(s)	☐ The building's first finished floor is located above the 500-year flood level. ■ 500-year flood level (ft):
☐ Existing structural deck and framing members ☐ Structural deck attachments ☐ Additional roof at a different elevation Existing conditions will need to be verified by the engineer of record. The following verification/ calculations shall be submitted with this form: ☐ FORTIFIED Commercial—Wind, Existing	 □ The building's first finished floors is located 3 ft above the base flood elevation. ■ Flood level (ft): □ Dry flood protection such as flood gates, walls, or doors, inflatable barriers, sand bags, or similar devices are readily available on site to help mitigate water intrusion. Not applicable (N/A)
Construction form(s) ☐ Existing structural deck and framing members	(Optional) Hail Supplement Yes □ N/A □
General Building Characteristic Number of Stories: Roof Slope: Gross Square Footage (sft): Building Dimensions (ft): Length: Width: Height: Occupancy Type: Wall/Framing (gravity system) [select all that apply]: Goncrete	If hail mitigation is being provided, please fill out the "Hail Supplement Form" which can be found on the FORTIFIED Commercial website. Submit the Hail Supplement Form with this document to the FORTIFIED Commercial Evaluator.
Lateral System [select all that apply]:	3.0 Building Design Parameters
☐ Moment Frames or Braced Frames	Code Specification
☐ Shear Walls ☐ Other:	Select the applicable code and fill out the corresponding information:
	☐ ASCE 7-05
2.0 Recommended Protection	☐ Risk Category II
Flood—Recommended Whole-Building Protection (Not Required)	☐ Risk Category III ☐ Risk Category IV Importance Factor:
While protecting electrical and mechanical systems from flood is a requirement of FORTIFIED Silver, whole-building protection against the flood hazard is not be required under FORTIFIED Commercial.	Design wind speed (V _{ult}): mph ☐ ASCE 7-10

³Flood zone as defined by FEMA.

	☐ Risk	Category III		☐ ASCE 7-16	: ASD Mathad: (Calculated ASD	wind load x 1.67			
	□ Risk	Category IV			n Required Facto		WIIIU IOAU X 1.07			
	Design	wind speed (V _{ult}):	mph	☐ ASCE 7-16 LRFD Method: Calculated LRFD wind load						
	☐ ASCE 7-16									
	□ Risk	Category II		Wind Design Pressures						
	□ Risk	Category III		· ·						
	☐ Risk	Category IV		Select and fill out the appropriate wind pressure table. The base pressure shall be directly calculated from corresponding ASCE 7						
	Design	wind speed (V _{ult}):	mph	edition and the addit 3.1.1.3 of the FORTIF	ional factor of s	afety as outline	d in section			
Select the	applicable buildi	ng code:		☐ ASCE 7-05 and 7-1		-	minimum terrain			
	☐ IBC 2000	☐ IBC 2012		Exposure C or D and	effective wind a	rea of 10 sq ft.				
	□ IBC 2003	☐ IBC 2015		Please sele	ct the method ι	ised to obtain b	ase pressures:			
	□ IBC 2006	☐ IBC 2018		□ ASD	☐ LRF)				
	□ IBC 2009			Roof Geom	etry ⁵ :					
Exposu	ire Category	and Classificatio	n		Base	B.d.i.e.i.ee	Pressure			
The expos	sure category per	ASCE 7 is:		Zone ⁶	Design Pressure	Minimum F.O.S. ⁷	with F.O.S. (psf)			
	□ C □ D			Field (Zone 1)	(psf)					
	ance with the cod	le selected in the above sure classification:	section, please	Perimeter (Zone 2)						
	☐ Partially enclos	sed		Perimeter Overhang (Zone 2OH)						
	☐ Enclosed			Corner (Zone 3)						
	□ Open			Corner Overhang (Zone 3OH)						
Minim	um Required	d Factor of Safety	,	, ,						
building d		factor of safety that was See section 3.1.1.3 of the d.		☐ ASCE 7-16 design C or D and effective v		_	terrain Exposure			
П	ASCE 7 OF Allow	vable Stress Design (ASD)	Mothod	Please sele	ct the method ι	ised to obtain b	ase pressures:			
		wind load x 2 (Minimum		□ASD □LRFD						
_				Roof Geom	etry ⁵ :					
		and Resistance Factor Dollated LRFD wind load/1.67 of Safety)		Zone ⁶	Base Design Pressure	Minimum F.O.S. ⁷	Pressure with F.O.S. (psf)			
		Method: Calculated ASD uired Factor of Safety)	wind load x 2		(psf)		(62.)			
	ASCE 7-10 LRFD	Method: Calculated LRF	D wind load x 0.6							
			ı		_					
Roof geo	metry refers to th	ne ASCE 7 profile designa	tion such as mono-slop	ed (low-sloped), mono-sl	oped (steep-slo	ped), hip roof, s	gable roof, and			

x 2 (Minimum Required Factor of Safety)

☐ Risk Category II

⁵Roof geometry refers to the ASCE 7 profile designation such as mono-sloped (low-sloped), mono-sloped (steep-sloped), hip roof, gable roof, and flat roof. For more roof geometries, see ASCE 7.

⁶ Please use the table to describe the different wind zones of the roof. ASCE 7-16 has implemented new wind zone designations so please denote which roofing geometry was used to obtain base pressures.

⁷For more information, see section 3.1.1.3.2 of the FORTIFIED Commercial–Wind standard.

	☐ Modified Bitumen
	☐ Single-ply Membrane ¹¹ ☐ TPO ☐ PVC ☐ EPDM ☐ Ballasted, Roof Pavers and Pedestal Systems
4.0 FORTIFIED Roof	(High-Wind-Prone Regions Only)
Roof Configuration Does the building have more than one roof type? ☐ Yes ☐ No	☐ Structural Metal Panels ☐ Vegetative Roof Systems (High-Wind-Prone Regions Only)
If yes , fill out either section 4.1 or 4.2 for the corresponding quantity of roof systems ⁸ . Number of	Approved Low-Sloped System
different roof types are Does the building have roofs at multiple heights? ☐ Yes ☐ No If yes, are the heights different enough that roof systems with different wind ratings are specified? ☐ Yes ☐ No If yes, fill out section 4.1 or 4.2 for each roof system with a different wind rating. 8	Material substitutions and deviations from the approved system's design criteria are not acceptable. The entire system must be installed in accordance with the Approval or Product Evaluation description and meets the specified design and limitations for use of the product as well as specified installation methods. ☐ Yes Please select and complete one of the following low-sloped approved roofing systems:
General Information	☐ Florida Product Approval (FPA)
Roof Type Number: Out of: Roof Slope (degrees): Average Roof Height (ft):	Note: The design team must submit a copy of the FPA Evaluation Report for each approved system to the FORTIFIED Commercial Evaluator. FPA Evaluation Reports can be found by using the search tool located: www.floridabuilding.org/pr/pr app srch.aspx
ASCE 7 Roof Dimension "a" (ft): Is there a continuous structural parapet 9? ☐ Yes ☐ No	☐ Multiple Systems
Parapet Height (ft):	■ Field Uplift Resistance (psf):
4.1 Low-Sloped (≤10°) System	FL Number:
	Perimeter
Yes□ N/A□	Uplift Resistance (psf):
If "N/A" was selected, please continue to the next section for steep- sloped roofing (>10°).	FL Number: • Corner
Roof System Type	Uplift Resistance (psf):
, ,,	FL Number:
Select the roofing system type:	☐ Single System
 ☐ Architectural Metal Panels (attached to wood deck)¹⁰ ☐ Built-up Roofing ☐ Gravel fully embedded in asphalt ☐ Loose-laid gravel on low-sloped (High-Wind-Prone Regions Only) 	Uplift Resistance (psf):FL Number:

⁸Fill out section 4.1 or 4.2 (depending on the roof slope) for as many different roof covers as are on the project.

⁹If the parapet is equal to or greater than 3 ft from the top of the roofing structure, it must be adequately braced per ASCE 7 for lateral wind loading

¹⁰If selected, skip "Roof System Detail Breakdown" and fill out the information in the "Architectural/Structural Metal Roof Panel Systems" section.

¹¹See "Additional Single-ply Membrane Requirements" section.

☐ Single System—Enhanced Fastening ¹²	ESR Report Number:
Uplift Resistance (psf):	Division Number:
FL Number:	Section Number:
Describe the enhancements:	Table and System Number:
	Uplift Resistance(psf):
	_ Perimeter
	ESR Report Number:
	Division Number:
	Section Number:
Enhancements have been designed for the component and cladding wind pressures and	Table and System Number:
provide uplift resistance with a minimum factor	Uplift Resistance (psf):
of safety of 2.0 (1.67 for ASCE 7-16 ASD loads) in the field, perimeter, and corners of the roof as	■ Corner
described in section Roof Design Load	ESR Report Number:
Requirement. ☐ Yes	Division Number:
\square FM Approved with a current and active <u>RoofNav</u> Assembly	Section Number:
Number	Table and System Number:
Note: The design team must submit a copy of the FM	Uplift Resistance (psf):
Assembly Report highlighting the selected assembly details for each approved system to the FORTIFIED Commercial	Single System
Evaluator. FM Approved roof assemblies can be found by	ESR Report Number:
using the RoofNav® search tool located at	Division Number:
www.roofnav.com.	Section Number:
☐ Multiple Systems	Table and System Number:
Field	Uplift Resistance(psf):
FM Rating:	☐ Miami-Dade County (MDCA) with current and active Notice of
Roof Nav Assembly #:	Acceptance (NOA)
Perimeter	☐ Multiple Systems
FM Rating:	- Field
Roof Nav Assembly #:	NOA:
Corner	Uplift Resistance:
FM Rating:	Perimeter
Roof Nav Assembly #:	<u>-</u>
☐ Single System	NOA:Uplift Resistance:
FM Rating:	- Corner
Roof Nav Assembly #:	- NOA:
☐ ICC Evaluation Service (ICC-ES)	Uplift Resistance:
Note: The design team must also submit a copy of the ICC-	
ES Report for each approved system to the FORTIFIED	
Commercial Evaluator. ICC-ES Approved roof assemblies can be found by using the search tool located at www.icc-	NOA: Uplift Resistance:
es.org/evaluation-report-program/reports-directory.	
 Multiple Systems 	☐ Single System with Edge (Perimeter/Corner)
• Field	Enhancements

¹²In some instances, FPA does permit edge (perimeter/corner) enhancements. Enhancements must follow provisions stated in corresponding active FPA Evaluation Report.

	■ Field
	NOA:
	Uplift Resistance:
	Note: Perimeter and corner enhancements can be made in accordance with the Miami-Dade County Notice of Acceptance.
	Describe the enhancements and how they were obtained for both the perimeter and corner:
☐ Texas Departmer	nt of Insurance (TDI)
Evaluation Report for Commercial Evaluat by using the search	am must also submit a copy of the TDI Product or each approved system to the FORTIFIED cor. TDI Approved roof assemblies can be found tool located at wind/prod/indexrc.html.
www.tuntexus.gov/	what prodymack entrini
	Multiple Systems
	• Field
	TDI Evaluation ID:
	Assembly Number:
	Uplift Resistance Range:
	Perimeter
	TDI Evaluation ID:
	Assembly Number:
	Uplift Resistance Range:
	■ Corner
	TDI Evaluation ID:
	Assembly Number:
	Uplift Resistance Range:
	Single System
	TDI Evaluation ID:
	Assembly Number:
	Uplift Resistance Range:
☐ UL Rated	decimal beautiful and a control of the control of t
Product S _l the FORTI Specificati	design team must submit a copy of the UL pecification Report for each approved system to FIED Commercial Evaluator. Product ion Reports can be found by using the UL search ed at http://productspec.ul.com/index.php .
	Multiple Systems
	■ Field
	UL Product Number:

	Option Number:				
	Uplift Resistance (psf):				
UL Product Number:					
	Option Number:				
	Uplift Resistance (psf):				
	Corner				
	UL Product Number:				
	Option Number:				
	Uplift Resistance (psf):				
☐ Single System					
	UL Product Number:				
	Option Number:				
	Uplift Resistance (psf):				
Roof System	Detail Breakdown				
•	nformation for the individual parts o	f tha			
approved system.	If it does not apply to the selected ap				
system, please sele	ect N/A. nd structural metal roof panel syster	ns do not fill			
	n in this section—rather, fill out the				
in the "Architectur	al/Structural Metal Roof Panel Syste	ms" section.			
Cover/Cap Sheet	Yes C] N/A □			
Cover/Cap S	heet Type:				
	heet Type:er:				
	er:				
Manufacture	er:				
Manufacture	er::] N/A 🗆			
Manufacture Trade Name Cover/Cap Sheet A	er::				
Manufacture Trade Name	er:	·			
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Ted Manufacturer:				
Manufacture Trade Name Cover/Cap Sheet A	er: Attachment Yes C Trade Name:				
Manufacture Trade Name Cover/Cap Sheet A	er: Attachment Yes Trade Name: Adhesion Rate:				
Manufacture Trade Name Cover/Cap Sheet A	er: Attachment Yes C Trade Name:				
Manufacture Trade Name Cover/Cap Sheet A	er: Attachment Yes Trade Name: Adhesion Rate:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Manufacturer: Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Manufacturer: Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener: Manufacturer:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Manufacturer: Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener: Manufacturer: Type: Plate:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener: Manufacturer: Type:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes E Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener: Manufacturer: Type: Plate:				
Manufacture Trade Name Cover/Cap Sheet A	Attachment Yes C Manufacturer: Trade Name: Adhesion Rate: anically Fastened Sheet Width (in.): Fastener: Manufacturer: Type: Plate: Manufacturer:				

	Perimeter:		Trade Ty	pe:			
	Corner:		Thicknes	s (in.):			
	Fastener Spacing Along Laps (in.):						
	Field:		Insulation Board Fasteners		Yes □	N/A □	
	Perimeter:						
	Corner:		Select the attachment meth	nod:			
	<u> </u>		☐ Adhered Manufac	turer:			
Cover Board	Yes □	N/A 🗆		ime:			
Cover Board	163 🗆	N/A L		on Type ¹³ :			
Select the cover bo	ard type:			n Rate:			
	☐ Polyisocyanurate						
	□ Perlite		☐ Mechanically F				
	☐ Fiberglass		Fastener	:			
	☐ Wood Fiber			Trade Name:			
	☐ Other:			Diameter (in):			
1	Manufacturer:			Length (in):			
7	rade Name:		Plate:				
7	hickness (in.):			Plate Name:			
Cover Board Attach	ment:			Plate Material:			
[☐ Adhered ☐ Mechanically Fa	stened		☐ Metal	☐ Plasti	c	
[Details:			☐ Other:			
				Plate Diameter (in):		
Insulation	Yes □	N/A □	Fastening	g Pattern ¹⁴ :	,		
Select the insulatio		14/4 🗆		Field:			
	☐ Isocyanurate			ricia.			
	□ Perlite			Perimeter:			
	☐ Fiberglass			Corner:			
	☐ Wood Fiber						_
	☐ Other:		Base Sheet	tion.	Yes 🗆	N/A □	
1	Manufacturer:		Base sheet general informa				
٦	rade Name:			et Manufacturer:_			
E	Board Thickness (in.):			s (in):			
1	Number of boards:		Base sheet attachment:				
I	s the insulation board tapered? Yes \Box I	NO 🗆	☐ Self-A	dhered			
Intermediate Layer	rs Yes □	N/A 🗆	☐ Mecha	anically Attached			
Select the intermed		.,	Fastener	:			
	☐ Isocyanurate			Trade Name:			
	☐ Perlite			Fastener Type:			
	☐ Fiberglass			☐ Spli	t Shank		
	☐ Wood Fiber			□ Oth	er:		
	☐ Other:			Diameter (in):	·		
1	Manufacturer:			Length (in):			
				Lengui (III).			_

¹³Refers to the application; fully adhered, strips, ribbons, etc. For example, securement of insulation to concrete deck with an adhesive applied was installed in a serpentine method with a ribbon width of 0.75 in.

 $^{^{14}}$ Fastening pattern rate shall be in terms of square footage (sq ft) per (1) fastener.

Plate (if differs from trade name above):	Provide the appropriate approval rating and number:
Plate Name:	☐ FM RoofNav Number:
Plate Material:	□ FIVI KOOTINAV INUTTIDET.
☐ Metal ☐ Plastic	☐ Miami-Dade NOA:
☐ Other:	
Plate Diameter (in):	Architectural/Structural Metal Roof Panel
Fastening Pattern ¹³ :	Yes □ N/A □
Field:	Please indicate the roof system:
Perimeter:	☐ Non-structural architectural metal panel roofs on solid
Corner:	wood sheathing
	☐ Structural metal panel roof systems on open framing
Additional Single-Ply Membrane Requirements Yes \square N/A \square	members ☐ Structural Standing Seam
Single-ply roof covers have a perimeter peel stop with a termination	☐ Structural standing Seam ☐ Through-Fastened (Lap Seam)
bar or similar located 1–2 ft from the roof edge. Yes \square N/A \square	
Mechanically Attached Single-Ply Membrane on Steel Decks—Sheets	Purlin spacing:
and fasteners are installed PERPENDICULAR to the steel deck ribs.	Field:
Yes □ N/A □	Perimeter:
Hurricane-Prone Regions: Ballasted, roof pavers, and pedestal	Corner:
systems are NOT being used. Yes \square	Approved System:
High-Wind-Prone Regions: If ballasted, roof pavers, and/or pedestal	☐ FM Approval Standard 4470 or FM4471
systems are being used, please complete the following information:	FM RoofNav:
☐ Ballasted	☐ Miami-Dade County Approved
☐ Roof Paver	NOA:
☐ Pedestal System	
☐ Manufacturer specifications must be submitted with this	Attachment:
submittal.	☐ Clip Spacing (in.):
☐ System meets the minimum wind uplift requirements as defined	Field:
in section 3.1.1.3 of the FORTIFIED Commercial—Wind standard.	Perimeter:
	Corner:
☐ The selected system has been installed in accordance with FM Data Sheet 1-29 and ANSI/SPRI RP-4.	Number of screws per clip:
Data Sheet 1-29 and ANSI/SFM Nr -4.	Total screw pull out value (lb):
Vegetative Roof Systems (High-Wind-Prone Regions Only)	☐ Other (i.e., through-fastened with wood screw):
Yes □ N/A □	Describe:
Vegetative roof systems are permitted only in high-wind-prone	Field:
regions. Structural calculations, uplift tests, and/or additional	Perimeter:
documentation may be requested by the FORTIFIED Commercial	Corner:
Evaluator.	Lap Seam Fasteners:
Select the system:	Field:
	Perimeter:
☐ Extensive☐ Simple Intensive (Semi-Intensive)	Corner:
	1

 $\hfill\square$ Attachments include a minimum 2.0 safety factor as described in section 3.1.1.3 of the FORTIFIED Commercial—Wind standard.

Structural Roof Deck ☐ Structural roof deck resists the loads and load combinations specified in ASCE 7 as outlined in section 3.1.1.3.1 of the FORTIFIED Commercial-Wind standard. ☐ Structural roof deck attachment capacity meets the pressures outlined in section 3.1.1.3 of the FORTIFIED Commercial-Wind standard. Select the deck type and specify construction: ☐ Cast-in-place structural concrete with lightweight insulating concrete (LWIC) above structural concrete \square Cast-in-place structural concrete without LWIC \square Poured concrete on steel form deck with LWIC \square Poured concrete on steel form deck without LWIC ☐ Precast concrete "tees" Panel width (in.): ☐ Gypsum on bulb "tees" Panel width (in.):_____ Clip trade name:_____ Clip spacing (in.): Field:_____ Perimeter:_____ Corner:_____ ☐ Cementitious wood fiber Panel width (in.):_____ Clip trade name: Clip spacing (in.): Field:_____ Perimeter:_____ Corner: ☐ LWIC poured on steel form (fill out steel deck information below) ☐ Steel deck **Specify** the details listed below: Deck gauge: Deck attachment method: ☐ Weld Weld size (in.):_____ Weld spacing (in.):_____ Field:_____ Perimeter:_____ Corner:_____

☐ Screw **or** ☐ Rivet

		Size:		
		Head diameter (in.):		
		Spacing (in.):		
		Field:		
		Perimeter:		
		Corner:		
	☐ Other	· <u>·</u>		
		Spacing (in.):		
		Field:		
		Perimeter:		
		Corner:		
	Joist or I	Beam Spacing (in.):		
		Field:		
		Perimeter:		
		Corner:		
		Manufacturer:		
		Model:		
		Type/size:		
	Wood Deck			
	Deck Type:			
		Plywood		
		Oriented strand board (OSB) plank		
		Other:		
	Deck Thickne	ss (in.):		
	Deck Attachn	nent Method:		
		Screw ring-shank nail		
		Spiral nail		
		Smooth nail		
	Fas	tener size:		
		tener spacing (in.):		
	Structural Fra	nming Members:		
		Wood joists		
		Wood beams		
		Glulam beams		
		Cross laminated timber		
		Other:		
Stri	_	g Member Spacing (in.):		
5.10		Field:		
		Perimeter:		
		Corner:		

Roof Edge Flashing, Coping, and Counter				WIND COFFD	WIND CD55D	SHINGLE TESTING		
Flashing	Yes □ N/A □		SELECTION WIND SPEED (Vasd) (Vult)		WIND SPEED (Vult)	STANDARD/ CLASSIFICATION		
☐ All flashing is designed in accordance 4435/ES-1 for the ASCE 7 design wind pr				100 MPH	129 MPH	ASTM D	3161 (Class F)	
section 3.1.1.3.1 of the FORTIFIED Comm				110 MPH	142 MPH	or AS	STM D7158	
Wood Nailers	Yes □ N/A □	-		120 MPH	155 MPH	(Cla	iss G or H)	
☐ Wood nailers comply with the guidan the FM Data Sheet 1-49.	ce found in section 2.2.2 of			130 MPH 140 MPH	168 MPH 180 MPH		93161 (Class F) STM D7158	
Wood Nailer:				150 MPH	194 MPH		Class H)	
Wood Species:				130 1411 11	154 1411 11			
Width:			Manufacturer	r name:				
Thickness(in):				nils used to install s				
Wood Nailer Securement:				<u>:</u>				
Nail/Bolt Size:		:	Shingles are i	nstalled at eaves u	sing (check one)	:		
Corrosion Resistance:			□ P	eel-and-stick start	er strip			
☐ Hot-dipper galvar	nized steel		□ 8	β-inwide x ⅓-intl	nick bed of flashi	ing cemei	nt	
☐ Stainless steel			Shingles are installed at rakes/gable edges using (check one):					
☐ Other:			☐ 8-inwide x 1/8-inthick bed of flashing cement					
☐ Wood nailers have been secured with two rows of			☐ Starter strip set in an 8-inwide x ⅓-inthick bed of flashing cement					
staggered fasteners.				STM D1970 peel-a	and-stick starter	strip with	asphaltic	
Gutters Systems	Yes □ N/A □	-	Shingles insta	lled at intersection	ns and valleys:			
Select the option which best describes t	•		□ 8	ß-inwide x ⅙-intl	nick bed of flashi	ing cemei	nt	
☐ ANSI-SPRI GD-1 (2010) with the adjus			□N	ot applicable				
3.1.1.3 of the FORTIFIED Commercial–W	'ind standard.	-	Architectural	Metal Panels		Yes 🗆	N/A □	
☐ ANSI-SPRI GT-1 (2016) with the adjust		:	Select architectural metal panel system approval:					
3.1.1.3 of the FORTIFIED Commercial–W	'ind standard.		☐ Florida Product Approval ☐ ICC-ES					
		-	□ Miami-Dad	le				
4.2 Steep-Sloped (>10°)	System		□ TDI					
Yes□ N/A□			□ UL					
Asphalt Shingles and Archite	ectural Metal Panel			ocumentation nun L Number for FPA		with the a	approved	
Select either asphalt shingles or architect out the corresponding information.	tural metal panels and fill			Aultiple systems				
Asphalt Shingles	Yes □ N/A □	_				_		
If the building is less and 60 ft tall, select options from the table. If not, additional required and must be submitted with the	l engineering calculations are	2	□s	ingle system:		- -		

 $^{^{15}6}$ nails per shingle are usually required by shingle manufacturers for high wind installation.

☐ Enhancements (describe):	□ OPTION 2: A FULL LAYER OF SELF-ADHERING POLYMER-MODIFIED BITUMEN MEMBRANE ("peel- and-stick") meeting ASTM D1970 is installed over the entire roof deck with a second layer of minimum ASTM D226 Type I felt installed as a "bond break" between the peel-and-stick and the shingles.	
A check in the box beside each requirement indicates that the architectural metal panel installation is in accordance with the standard.	☐ OPTION 3: INSTALL TWO (2) LAYERS OF ASTM D226 TYPE II (#30) OR ASTM D4869 TYPE IV (#30) underlayment in a shingle fashion, lapped 19 in. on	
☐ The architectural metal panels were designed to meet the design wind pressures of ASCE 7 for the building specific parameters as outlined in section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard.	horizontal seams (36-in. roll), and 6 in. on vertical seams. Fasten underlayment at maximum 6 in. o.c. along the laps and at maximum 12 in. oc. in the field of the sheet centered between the side laps. Secure underlayment using annular ring or deformed shank	
☐ The panel attachments were designed for the wind pressures as defined in section 3.1.1.3 of the FORTIFIED Commercial—Wind standard.	nails with 1-in-diameter caps (button cap nails). ¹⁶	
☐ Attachments are installed per the manufacturer's guidelines.	Concrete and Clay Tile Yes □ N/A □	
Sealed Roof Deck Options for Asphalt Shingles and Metal Roof Covers Select one of the following options to indicate how the roof deck is sealed: OPTION 1A: SELF-ADHERING POLYMER-MODIFIED BITUMEN FLASHING TAPE at least 4-in. wide meeting ASTM D1970. It shall be applied directly to the roof deck (or primer if required by manufacturer) to all horizontal and vertical joints in the roof deck; then a #30 ASTM D226 Type II felt or #30 ASTM D4869 Type IV felt underlayment or a reinforced synthetic underlayment which has an ICC approval as an alternate to ASTM D226 Type II felt paper installed over the entire roof deck and secured with button cap nails (with 1-in. diameter) at maximum 6 in. o.c. at laps and 12 in. o.c. vertically and horizontally in the field. Horizonal laps must be minimum of 4 in. and end laps must be a minimum of 6 in. 16	Concrete and Clay Tile Material and Installation A check in the box beside each requirement indicates that the tile installation is in accordance with the standard. Tile is installed in accordance with FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual for the design wind speed as outlined in section 3.1.1.3 of the FORTIFIED Commercial—Wind standard. Clay and concrete tiles are installed over a minimum Sya-inthick plywood. Mortar-set tile or mortar-set hip and ridge tiles are not used. Metal flashing is installed in accordance with FRSA/TRI Florid High Wind Concrete and Clay Tile Installation Manual. Hip and ridge tile structural support and attachment is installed in accordance with FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual. NOTE: Mortar set attachment is not acceptable.	
☐ OPTION 1B: SELF-ADHERING AAMA 711-13, LEVEL 3 (FOR EXPOSURE UP TO 80°C/176°F) COMPLIANT FLEXIBLE FLASHING TAPE, at least 3¾-in. wide, applied directly to the roof deck (or primer if required by manufacturer) to all horizontal and vertical joints in	☐ Tile attachment is installed in accordance with FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual. NOTE: Mortar set attachment is not acceptable.	
the roof deck; then a #30 ASTM D226 Type II felt or #30 ASTM D4869 Type IV felt underlayment or a reinforced synthetic underlayment which has an ICC approval as an alternate to ASTM D226 Type II felt paper installed over the entire roof deck and secured with button cap nails at maximum 6 in. o.c. at laps and 2 rows spaced evenly in the field at 12 in. o.c.	Concrete and Clay Tile Sealed Roof Deck Select one of the following options to indicate how the roof deck is sealed: OPTION 1A: SELF-ADHERING POLYMER-MODIFIED BITUMEN FLASHING TAPE at least 4-in. wide meeting ASTM D1970. It shall be applied directly to the roof deck (or primer if required by manufacturer) to all horizontal and vertical joints in the roof deck; then a	

¹⁶ Photographs of product labels and installation required. If ASTM D4869 felt underlayment does not specifically state that it is Type IV, the product must weight 26 lb/100 ft2 to meet this requirement.

¹⁷ ASCE 7-16 wind loads are not addressed in the FRSA/TRI Installation (Fifth Edition Revise) guidelines. In jurisdictions that require ASCE 7-16 wind loads, follow the tile manufacturer installation guidance and product approvals for the design wind pressures, and, if the roof tile is installed with adhesives, the adhesive manufacturer's product approval for those wind pressures.

	Check the box beside each requirement to indicate that the sawn lumber or wood boards are in accordance with the standard. Fill out
	Sawn Lumber or Wood Boards Yes □ N/A □
If applicable, please describe the sealed roof deck method:	Corner:
	☐ 4 in. o.c. ☐ 6 in. o.c. ☐ Other:
	Perimeter:
	☐ 4 in o.c. ☐ 6 in. o.c. ☐ Other:
outline in section 3.1.1.3 and that the attachments meet the design pressures as outline in section 3.1.1.3.1.	Field:
Describe how the roof covering meets the design pressures as	Fastener spacing:
Manufacturer:	Note: Smooth-shank nails are not permitted.
Roof type:	☐ Other (engineer of record must provide calculations)
Other Roof Coverings Yes 🗆 N/A 🗆	☐ 10d ring-shank nails
D226 Type I felt installed as a "bond break" between the peel-and-stick and the shingles.	□ 8d ring-shank nails
and-stick") meeting ASTM D1970 is installed over the entire roof deck with a second layer of minimum ASTM	Fastener type
☐ OPTION 2: A FULL LAYER OF SELF-ADHERING POLYMER-MODIFIED BITUMEN MEMBRANE ("peel-	Sheathing thickness (in.):
2 rows spaced evenly in the field at 12 in. o.c.	Roof member spacing (in.) ¹⁹ :
with button cap nails at maximum 6 in. o.c. at laps and	Sheathing Fastening:
approval as an alternate to ASTM D226 Type II felt paper installed over the entire roof deck and secured	less than $^{15}/_{32}$ in. for the installation of new clay or concrete roof tiles.
#30 ASTM D4869 Type IV felt underlayment or a reinforced synthetic underlayment which has an ICC	\square Wood structural panel thickness is not less than $^{7}/_{16}$ in. and no
manufacturer) to all horizontal and vertical joints in the roof deck; then a #30 ASTM D226 Type II felt or	specified in ASCE 7 as outlines section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard.
FLEXIBLE FLASHING TAPE , at least 3¾-in. wide, applied directly to the roof deck (or primer if required by	☐ Roof sheathing can resist the loads and load combinations
☐ OPTION 1B: SELF-ADHERING AAMA 711-13, LEVEL 3 (FOR EXPOSURE UP TO 80°C/176°F) COMPLIANT	Check the box beside each requirement to indicate that the tile installation is in accordance with the standard.
must be a minimum of 6 in. ¹⁸	□ Plywood □ OSB
and 12 in. o.c. vertically and horizontally in the field. Horizonal laps must be minimum of 4 in. and end laps	Select the structural deck:
over the entire roof deck and secured with button cap nails (with 1-in. diameter) at maximum 6 in. o.c. at laps	Plywood and oriented strand board (OSB) Yes N/A
alternate to ASTM D226 Type II felt paper installed	Select the appropriate structural roof deck and fill out the corresponding information.
#30 ASTM D226 Type II felt or #30 ASTM D4869 Type IV felt underlayment or a reinforced synthetic underlayment which has an ICC approval as an	Structural Roof Deck and Attachment

requested information where indicated.

¹⁸ Photographs of product labels and installation required. If ASTM D4869 felt underlayment does not specifically state that it is Type IV, the product must weight 26 lb/100 ft2 to meet this requirement.

¹⁹For mean roof height less than 30 ft, the maximum allowed roof member spacing is 24 in. o.c. unless calculations are provided by the engineer of record. For height greater than 30 feet, calculations must be provided.

□ Sawn lumber or wood board roof deck can resist the loads and load combinations specified in ASCE 7 as outlines section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard. Manufacturer: Dimensions: Width (in): Thickness (in): Roof member spacing (in) ²⁰ : □ Sawn lumber or wood board roof deck attachments can resist the loads and load combinations specified in ASCE 7 as outlines section 3.1.1.3 of the FORTIFIED Commercial—Wind standard.	 ☐ Minimum 26 gauge ☐ Joints are overlapped a minimum of 3 in. ☐ Drip edge extends ½ in. below sheathing and extends back on the roof a minimum of 2 in. ☐ Mechanically fastened at 4 in. o.c. and fasteners are alternating (staggered) ☐ Drip edge is installed over the underlayment Flashing (All Non-Edge Flashing Applications) Yes ☐ N/A ☐
Describe the attachment detail:	Check the box beside each requirement to indicate that the flashing is in accordance with the standard. Fill out requested information where indicated.
Structural Steel Decks Yes N/A Check the box beside each requirement to indicate that the sawn lumber or wood boards are in accordance with the standard. Fill out requested information where indicated. Structural steel deck can resist the loads and load combinations specified in ASCE 7 as outlines section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard. Manufacturer:	Ridge and Off Ridge Vents Yes \(\subseteq \text{N/A} \) Check the box beside each requirement to indicate that the ridge and off ridge vents are in accordance with the standard. Fill out requested information where indicated. \(\subseteq \text{Ridge and off ridge vents are TAS 100(A) rated for resisting water intrusion in high winds. \(\subseteq \text{Attached to the roof per the manufacturer's installation guidelines.} \)
Profile: Roof member spacing (in.): Structural steel deck attachments can resist the loads and load combinations specified in ASCE 7 as outlines section 3.1.1.3 of the FORTIFIED Commercial─Wind standard. Describe the attachment details:	Gable End Vents Yes □ N/A □ IBHS recommends against including gable end vents in new commercial buildings built in hurricane-prone regions. If they must be used to meet code they must meet: □ Gable end vents are TAS 100(A) rated for resisting water intrusion in high winds. □ Attached to the roof per the manufacturer's installation guidelines.
Drip Edge (Edge Flashing) Yes \(\subseteq \text{N/A} \) \(\subseteq \) A check in the box beside each requirement indicates that the drip edge is in accordance with the standard. Fill out requested information where indicated.	4.3 Skylight Check the box beside each requirement to indicate that the skylights are in accordance with the FORTIFIED Commercial—Wind standard. Skylights and their attachments are designed and detailed for the ASCE 7 wind loads and provide an uplift resistance with a minimum factor of safety 2.0 for ASCE 7 ASD loads (1.67 for ASCE 7-16 ASD loads). Installation must meet the air and water infiltration requirements of ASTM E330 and ASTM E331. The curb installation must be confirmed by the engineer of record that it shall meet the

 $^{^{20}\}mbox{Measured}$ from centerline to centerline in inches.

4.6 Lightning Protection Yes□ N/A □ section 3.1.1.3 of the FORTIFIED Commercial-Wind standard. Check the box beside each requirement to indicate that the lightning **Hurricane-Prone Regions Only:** protection system is in accordance with the FORTIFIED Commercial-Wind standard. Skylights shall conform to one of the following: ☐ The system is designed and installed in accordance with FEMA-☐ Current and active FM Approval per ANSI FM 4431 with Rooftop Attached Lightning Protection Systems in High-Wind large missile impact rating. Regions. $\hfill\square$ Miami-Dade County Approved with a current and active ☐ Looped conductor connections were used in lieu of pronged Notice of Acceptance with large missile impact rating. connectors. ☐ When the ASCE 7-05 wind speed is ≥130 mph (ASCE 7-10 and 7-16 ☐ Bolted splice connectors were used in lieu of pronged connectors. when appropriate Risk Category design wind speed is ≥165 mph), skylights shall also meet AAMA 520-09. 4.7 Low-Sloped (≤10°) Roof-Mounted 4.4 Roof-Mounted Equipment (RME) Yes□ N/A □ Safety Rails Yes□ N/A □ Check the box beside each requirement to indicate that the Low-Sloped (≤10°) Roof-Mounted Safety Rails are in accordance with the Check the box beside each requirement to indicate that the RME are FORTIFIED Commercial-Wind standard. in accordance with the FORTIFIED Commercial-Wind standard. ☐ Rails and their connections were designed in accordance with IBC ☐ All RME and their attachments have been designed with a 2015 and ASCE 7-10. minimum factor of safety as defined in section 3.1.1.3 of the FORTIFIED Commercial-Wind standard. ☐ A calculation set by the engineer of record must be submitted with this document including all wind design parameters, member All RME and their attachments are in accordance with one of the selection and design, connection details and capacity verification, following: and the supporting structural member calculations. ☐ ASCE 7-10 Section 29.5.1 (h≤60ft) 4.8 Lo- Sloped (≤10°) Roof Equipment ☐ ASCE 7-16 Section 29.4 Yes□ N/A □ Screens 4.5 Photovoltaic Systems Check the box beside each requirement to indicate that the Low-Sloped (≤10°) Roof Equipment Screens are in accordance with the Yes□ N/A □ FORTIFIED Commercial-Wind standard. Photovoltaic (PV) systems and their attachments are designed with a ☐ Roof equipment screens and their connections were designed to minimum factor of safety outlined in section 3.1.1.3 of the FORTIFIED Commercial-Wind standard and in accordance with the parameters of section 3.1.1.3.1 of the FORTIFIED Commercial-(select one): Wind standard. ☐ ASCE 7-16 □SEAOC PV2 ☐Model-scale wind tunnel study that meets the requirements of ASCE 49-12 (documentation must be submitted) Provided the wind loads used are consistent with the provisions described above, the following options are acceptable: ☐ Rigid PV modules that are FM Approved or meet Approval Standard 4478 (wind uplift, combustibility from above the deck). ☐ Flexible PV modules that are FM Approved or meet Approval Standard 4476.

required uplift with a minimum factor of safety as described in

5.0 FORTIFIED SILVER

All FORTIFIED Roof requirements must be satisfied.

For this section, check the box beside each requirement or respond to the item to indicate that items are in accordance with the FORTIFIED Commercial—Wind standard.

FORTIFIED Commercial—Wind standard.			
Openi	Opening Protection		
	ign Pressures select and fill out the appropriate wind pressures.		
	$\hfill \Box$ ASCE 7-05 and 7-10 design pressures (psf) using minimum terrain Exposure C or D and effective wind area of 10 sq ft		
	Please select the method used to obtain base pressures:		
	□ ASD □ LRFD		
	Specify the wind pressures (psf):		
	Zone 4:		
	Zone 5:		
☐ ASCE 7-16 design pressures (psf) using minimum terrain Exposure C or D and effective wind area of 10 sq ft			
	Please select the method used to obtain base pressures:		
	□ ASD □ LRFD		
	Specify the wind pressures (psf):		
	Zone 4:		
	Zone 5:		
Windows and Glazed Openings Yes □ N/A Select the type(s) of window system:			
	☐ Single-pane		
	☐ Double-pane		
	☐ Laminated glass		
	☐ Impact-rated laminated window and frame system		
	$\hfill\Box$ Triple-pane impact-rated laminated window and frame system		
indicate	e box beside each requirement or respond to the item to that the windows are in accordance with the FORTIFIED cial—Wind standard.		
	Windows and glazed openings are designed for the load combinations outlined in section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard		

		region. If you are not located in a hurricane-prone o high-wind-prone region.	
		s verifying the impact rating and pressure capacity e on the installed windows.	
	Check the box beside each requirement or respond to the item to indicate that the windows are in accordance with the FORTIFIED Commercial –Wind standard.		
		Glazed openings that do not have impact-rated products installed will be protected from windborne debris by permanently or temporarily installed shutter systems such as roll-down, accordion, storm panels, fabric, or screen products.	
		All openings located within 30 ft of grade, are specified as impact rated or to be protected with an impact-rated protection system. At a minimum, the specified products or systems meet ASTM E1886 cyclic pressure and ASTM E1996 large missile impact requirements.	
		Glazing specified for locations 30 ft or higher above grade are rated for the design pressure and small missile impact.	
	Openings required to be protected and located at upper levels without access from a porch or balcony shall have permanently installed protection which, at a minimum, shall be an impact rated product or operable from the inside the building. YES N/A		
Commercial Doors Yes □ N/A □ □ All commercial doors are designed in accordance with section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard.			
Hurricane-Prone Regions: Fill out the following if you are located in a hurricane-prone region.			
$\hfill\Box$ All commercial doors meet both ASTM E1886 cyclic pressure and ASTM E1996 large missile impact requirements.			
$\hfill\Box$ Labels verifying the impact rating and pressure capacity are visible on the installed doors.			
☐ All per	in section	Doors Yes □ N/A □ ors are designed for the load combinations 3.1.1.3.1 of the FORTIFIED Commercial—Wind	
	e-Prone R ne-prone	regions: Fill out the following if you are located in region.	
	located 3	or personnel doors with or without windows 80 ft of grade meets both ASTM E1886 cyclic and ASTM E1996 large missile impact nents.	

Hurricane-Prone Regions: Fill out the following if you are located in

Exterior Walls and Wall Protection	½-inthick wood (IR)	
☐ Wall systems are designed for the load combinations outlined in section 3.1.1.3.1 of the FORTIFIED Commercial—Wind standard.	☐ ½-in. fiber-cement-based planking (IR)	
Hurricane-Prone Regions: Fill out the following if you are located in a hurricane-prone region.	 ≥%-inthick wood structural panel sheathing with vinyl or aluminum siding (IR) □ Other walls 	
☐ Wall impact resistance meets the requirements of ASTM E1886 and ASTM E1996 for the impact of a 9-lb nominal 2x4 lumber missile impacting end on at 34 mph (50ft/s) (large missile impact level D).	Describe "other" wall system:	
Wall Types		
Select all that apply; for hurricane-prone regions, exterior walls must		
be impact rated (denoted as "IR" below).		
☐ Reinforced concrete block (IR)	$\hfill\square$ Wall systems are designed for the load combinations outlined in	
☐ Precast concrete/tilt up panels (IR)	section 3.1.1.3.1 of the FORTIFIED Commercial–Wind standard.	
☐ Cast-in-place concrete (IR)	Hurricane-Prone Regions: Fill out the following if you are located in	
☐ Brick veneer over wood or metal frame	a hurricane-prone region.	
☐ Brick with concrete block backing (IR)	☐ Wall impact resistance meets the requirements of ASTM E1886 and ASTM E1996 for the impact of a 9-lb nominal 2x4 lumber missile impacting end on at 34 mph (50ft/s) (large missile impact level D).	
☐ Metal walls		
☐ Metal wall systems are designed and tested for resistance in accordance with ASTM E1592. Each assembly shall be tested for a load equal to 1.5 times the design pressure. ☐ Insulated concrete form	Parapets Yes □ N/A □ Is the parapet taller than 3 ft from base connection to free end? Yes □ No If yes, is structural bracing (internal or external) provided and does it	
☐ Sandwich panel wall systems	meet the minimum ASCE 7 standards?	
☐ Meets the International Code Council (ICC) Evaluation Service – Acceptance Criteria for	☐ Yes ☐ No	
Sandwich Panels AC04. Any adhesives used shall comply with ASTM D2559 or the ICC Acceptance	Gable Ends Yes □ N/A □	
Criteria for Sandwich Panel Adhesives AC05.	☐ Gable overhangs will not have openings for attic ventilation.	
☐ Exterior insulating finishing systems (EIFS) ²¹ ☐ Hurricane-Prone Regions Only: EIFS Installed on a metal or wood frame are not permitted unless they are a Miami-Dade County Approved system.	☐ Gable end walls, wall sheathing, overhangs, and overhang soffit covers will be designed for ASCE 7 ASD wind with a minimum factor of safety as defined in section 3.1.1.3 of the FORTIFIED Commercial—Wind standard.	
□ Solid insulated concrete forms / ¾-in. plywood/ ≥ ⁷ / ₁₆ -in. wood structural panel sheathing with one of the following finishes: □ ½-in. stucco (IR)	☐ Gable wall vents will be protected against water intrusion. ☐ Gable overhangs using outlooker framing will have adequate connection at gable wall and at roof framing members. Connections must be designed by a registered PE or developed using prescriptive connection details available from IBHS.	

²¹EIFS that are not visibly damaged, deteriorated, chipped, cracked, have structurally sound horizontal and vertical seals including around windows and penetrations, are free of leaks, and have at least 5 years of useful life remaining are eligible for a FORTIFIED Silver designation or certificate. EIFS that do not meet these conditions and/or that do not have at least 5 years of useful life remaining shall require repairs or replacement to be eligible for a FORTIFIED Silver designation or certificate.

☐ Box-type soffit overhangs (eave) and gable overhangs with a depth of greater than 12 in. (measured from the back of fascia to exterior wall surface) and covered with aluminum or vinyl material, will have a center brace installed mid-span.	connections from the roof to foundation as a means to transmit wind uplift and lateral loads safely to the ground. This includes providing roof-to-wall connection hardware (e.g., hurricane straps for wood) with the required roof uplift resistance as determined by the designer or specified in the prescriptive method being used.	
\square Gable walls will be sheathed with a minimum of $^7/_{16}$ -in. structural sheathing (Plywood or OSB) or equivalent wall sheathing.	☐ Inter-story connections in multi-story structures have a continuous load path through the wall to the foundation. Attached and Accessory Structures	
☐ Gable end walls on gables greater than 48 in. in height will be braced to withstand the ASCE 7 wind loads. A bracing design by a licensed PE is required. Bracing must be installed per design.		
 As an alternate, bracing details provided in the 	Yes□ N/A □	
International Existing Building Code Appendix C or in the Florida Building Code may be used.	☐ Convenience store canopies, carports, porte cocheres or any other vehicle-type drive-through structures will have adequate load path members and connections to resist the loads and load	
Electrical/ Mechanical Systems	combinations specified in ASCE 7 as outlined in section 3.1.1.3.1.	
Flood Protection All electrical and mechanical equipment and connections necessary	Chimneys Yes□ N/A □	
to operate critical systems are located above the 500-year flood level if known, or at least 3 ft above the known base flood elevation (100-year flood level) or advisory flood elevation.	☐ Chimneys have adequate load path members and connections capable of resisting the loads and load combinations specified in ASCE 7 as outlined in section 3.1.1.3.1.	
☐ Yes ☐ N/A	Backup Power	
Since the building is located out of a 500-year and 100-year flood zone, all electrical and mechanical equipment and connections necessary to operate critical systems are not exposed to flood waters.	☐ Backup power shall be available and capable of powering critical electrical and mechanical systems that maintain vital business operations. All equipment shall be installed in accordance with the requirements of Electrical Systems (Flood) described in section 3.2.3	
☐ Yes ☐ N/A		
Electrical Connections for Backup Power		
☐ Transfer switch or docking station (sometimes referred to as a storm switch), that support connection of a generator capable of powering, at a minimum, the critical systems needed to provide continuity of operation.		
All electrical connections for backup power are located above the 500-year flood level if known, or at least 3 ft above the known base flood elevation (100-year flood level) or advisory flood elevation.		
□ Yes □ N/A		
6.0 FORTIFIED Gold		
All FORTIFIED Silver requirements must be satisfied.		
For this section, check the box beside each requirement or respond to the item to indicate that items are in accordance with the FORTIFIED Commercial–Wind standard.		
Continuous Load Path		

 $\hfill \square$ A continuous and adequate load path from the roof to the foundation of the building exist. The building has positive