FORTIFIED Commercial™- 2025 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 of the FORTIFIED Commercial—2025 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.

Building Overview

I, the	DESIGNER COMPLETING THIS CHECKLIST, understand and		
agre	e that:		
	 The FORTIFIED Commercial – 2025 Wind New Construction & New Additions Form must be completed FULLY and CORRECTLY for the applicable hazards. 		
	 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 The plans submitted will comply with all local building codes and with the FORTIFIED Commercial criteria as detailed in the FORTIFIED Commercial— 2025 Wind standard. 		
Full	Name:		
	nse/Registration Number:ature:		
Date	:		
Haz	zard and FORTIFIED Level		
Sele	ct the site-specific hazard¹: ☐ Hurricane ☐ High Wind		
Sele	ct the FORTIFIED Commercia Wind level being pursued:		
	FORTIFIED Gold™—FORTIFIED Silver requirements plus enhanced structural performance and maintaining business operations		

Compliance Agreement

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.

Street Address: Please select the option which best describes the building's proximity to saltwater: ☐ Within 300 ft ☐ More than 300 ft but less than 1.000 ft ☐ More than 1,000 ft but less than 3,000 ft ☐ More than 3,000 ft Corrosion protection requirements outlined in section 3.1.4 of the FORTIFIED Commercial—2025 Wind standard have been implemented. ☐ Yes ☐ No **Project Status** Tentative Start Date:__ Tentative Completion Date:____ Select the option(s) which best describe the building: ☐ Stand-Alone New Construction ☐ Addition(s) to Existing Buildings² ☐ Extension to existing roof—connected roof structure Existing conditions will need to be verified by the engineer of record. The following verification/ calculations shall be submitted with this form: ☐ Existing structural deck and framing members ☐ Structural deck attachments ☐ Structural interaction between the addition and existing structure.

¹ Hurricane-prone regions are areas vulnerable to hurricanes as defined in ASCE 7. See section 1.4 of the FORTIFIED Commercial— 2025 Wind standard for more information.

☐ Extension to existing roof—expansion joint	FEMA-designated flood zone ³ :
Existing conditions will need to be verified by the engineer of record. The following verification/calculations shall be submitted with this form:	If located in a FEMA-designated flood zone (V, A, B, D, and X-shaded), please select one of the following options:
☐ FORTIFIED Commercial— 2025 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	☐ The building's first finished floors is located 3 ft above the base flood elevation. ■ Flood level (ft):
Existing conditions will need to be verified by the engineer of record. The following verification/ calculations shall be submitted with this form:	 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.
☐ FORTIFIED Commercial— 2025 Wind, Existing Construction form(s) ☐ Existing structural deck and framing members	☐ Not applicable (N/A)
☐ Structural deck attachments	Hail—Recommended Protection (Not Required)
General Building Characteristic	Are you seeking the Hail Supplement? \square Yes \square No
Number of Stories:	If yes , select one of the following options for the installed roof cover:
Roof Slope:	□ Roof covers for low-sloped roofs (≤10° or less than 2/12 pitch):
Gross Square Footage (sft): Building Dimensions (ft):	☐ FM Approval Standard 4470 with a Class 1-SH or 1-
	VSH
Length:	□ UL 2218 Class 4 □ Not Applicable
Width:	☐ Roof covers for steep-sloped roofs (>10° or greater than
Height:	2/12 pitch):
Occupancy Type:	☐ FM Approval Standard 4473 Class 4
Wall/Framing (gravity system) [select all that apply]:	☐ UL 2218 Class 4
☐ Concrete ☐ Masonry	□ Not Applicable
☐ Steel ☐ Light Gauge	Building Design Parameters
□ Wood	Code Specification
□Other:	·
Lateral System [select all that apply]:	Select the applicable code and fill out the corresponding information:
☐ Moment Frames or Braced Frames	□ ASCE 7-10
☐ Shear Walls	□ Risk Category II
	□ Risk Category III
☐ Other:	☐ Risk Category IV
Recommended Protection	Design wind speed (V _{ult}): mph
Flood—Recommended Whole-Building	□ ASCE 7-16
Protection (Not Required)	□ Risk Category II
` '	☐ Risk Category III
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.	☐ Risk Category IV Design wind speed (V _{ult}): mph
First finished floor elevation (ft):	

³Flood zone as defined by FEMA.

	☐ ASCE 7-22				
	☐ Risk Category II				
	☐ Risk Category III				
	☐ Risk Category IV				
	Design w	ind speed (V _{ult}): mph			
Select the	applicable building	g code:			
	☐ IBC 2000	□ IBC 2012			
	□ IBC 2003	□ IBC 2015			
	□ IBC 2006	□ IBC 2018			
	□ IBC 2009	□ IBC 2021			
Exposu	re Category a	and Classification			
The expos	ure category per A	SCE 7 is:			
	□ C □ D				
	ince with the code ie building exposur	selected in the above section, please e classification:			
	☐ Partially enclosed				
☐ Enclosed					
☐ Open					
Minim	um Required	Factor of Safety			
building d		actor of safety that was applied to the e section 3.1.1.3 of the FORTIFIED ndard.			
		ethod: Calculated ASD wind load x 2 ed Factor of Safety)			
		Method: Calculated LRFD wind load x 0.6 quired Factor of Safety)			
		ethod: Calculated ASD wind load x 1.67 ed Factor of Safety)			
	ASCE 7-16 LRFD N	Method: Calculated LRFD wind load			
		ethod: Calculated ASD wind load x 1.67 ed Factor of Safety)			
	ASCE 7-22 LRFD N	Method: Calculated LRFD wind load			

Wind Design Pressures

Select and fill out the appropriate wind pressure table. The base pressure shall be directly calculated from corresponding ASCE 7 edition and the additional factor of safety as outlined in section 3.1.1.3 of the FORTIFIED Commercial—2025 Wind standard.

 $\hfill \square$ ASCE 7-10 design pressures (psf) using minimum terrain Exposure C or D

Please select the method used to obtain base pressures:

 \square ASD \square LRFD

Roof Geometry4:

noor deamenty .			
Zone⁵	Base Design Pressure (psf)	Minimum F.O.S. ⁶	Pressure with F.O.S. (psf)
	Effect	ive Wind Are	a: 10 sft
Field (Zone 1)			
Perimeter (Zone 2)			
Perimeter Overhang (Zone 2OH)			
Corner (Zone 3)			
Corner Overhang (Zone 3OH)			

 $\hfill\Box$ ASCE 7-16 and 7-22 design pressures (psf) using minimum terrain Exposure C or D

Please select the method used to obtain base pressures:

□ASD □LRFD

Roof Geometry⁵:____

Zone ⁶	Base Design Pressure (psf)	Minimum F.O.S. ⁷	Pressure with F.O.S. (psf)
	Effect	ive Wind Area	: 10 sft
			_

 $^{^6\}mbox{For more}$ information, see section 3.1.1.3.2 of the FORTIFIED Commercial—2025 Wind standard.

⁴Roof 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.

⁵ 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.

FORTIFIED Roof

Roof Configuration				
Does the building have more than one roof type? \square Yes \square No				
If yes , fill out the "Low-Sloped System" or "Stee section for the corresponding quantity of roo Number of different roof types are	f systems 7.			
Does the building have roofs at multiple heights? \Box	Yes □ No			
If yes , are the heights different enough that r with different wind ratings are specified? \Box				
If yes , fill out the "Low-Sloped System" or "Stee section for each roof system with a different				
General Information				
Roof Type Number: Out of:				
Roof Slope (degrees):				
Average Roof Height (ft):				
ASCE 7 Roof Dimension "a" (ft):				
Is there a continuous structural parapet ⁸ ? ☐ Yes ☐ N	No.			
Parapet Height (ft):				
Low-Sloped (≤10°) System				
Yes□ N/A□				
If "N/A" was selected, please continue to the next se sloped roofing (>10 $^{\circ}$).	ction for steep-			
Roof System Type				
Select the roofing system type:				
☐ Architectural Metal Panels (attached to ☐ Built-up Roofing ☐ Gravel fully embedded in aspl ☐ Loose-laid gravel on low-slope Prone Regions Only)	nalt			
☐ Modified Bitumen				
☐ Single-ply Membrane ¹⁰				
□ ТРО				
□ PVC				
□ EPDM				
☐ Structural Metal Panels				
☐ Vegetative Roof Systems (High-Wind-Pr				
Only)	one Regions			

Approved Low-Sloped System			
design cr installed description	i teria in acco on and	are orda d me	ons and deviations from the approved system's not acceptable. The entire system must be note with the Approval or Product Evaluation sets the specified design and limitations for use of as specified installation methods.
Please se approved			omplete one of the following low-sloped ystems:
☐ Florida	Prod	uct A	Approval (FPA)
	Evalu FORT can b	atio IFIEI e fo	e design team must submit a copy of the FPA n Report for each approved system to the D Commercial Evaluator. FPA Evaluation Reports und by using the search tool located: cidabuilding.org/pr/pr app srch.aspx
	I		Multiple Systems
			• Field
			Uplift Resistance (psf):
			FL Number:
			Perimeter
			Uplift Resistance (psf):
			FL Number:
			■ Corner
			Uplift Resistance (psf):
			FL Number:
	I		Single System
			Uplift Resistance (psf):
			FL Number:
	I		Single System—Enhanced Fastening ¹¹
			Uplift Resistance (psf):
			FL Number:
			Describe the enhancements:
			Enhancements have been designed for the component and cladding wind pressures and provide uplift resistance with a minimum factor of safety of 2.0 (1.67 for ASCE 7-16 ASD loads) in the field, perimeter, and corners of the roof as described in section Roof Design Load Requirement. Yes

⁷Fill out section 4.1 or 4.2 (depending on the roof slope) for as many different roof covers as are on the project.

 $^{^8\}mbox{If the parapet is equal to or greater than 3 ft from the top of the roofing$ structure, it must be adequately braced per ASCE 7 for lateral wind loading ⁹If selected, skip "Roof System Detail Breakdown" and fill out the information in the "Architectural/Structural Metal Roof Panel Systems" section.

 $^{^{10}\}mbox{See}$ "Additional Single-ply Membrane Requirements" section. $^{11} {
m In}$ some instances, FPA does permit edge (perimeter/corner) enhancements. Enhancements must follow provisions stated in corresponding active FPA Evaluation Report.

☐ FM Approved with a current and active <u>RoofNav</u> Assembly	□ Single System
Number	ESR Report Number:
Note: The design team must submit a copy of the FM	Division Number:
Assembly Report highlighting the selected assembly details	Section Number:
for each approved system to the FORTIFIED Commercial Evaluator. FM Approved roof assemblies can be found by	Table and System Number:
using the RoofNav® search tool located at www.roofnav.com .	Uplift Resistance(psf):
☐ Multiple Systems	☐ Miami-Dade County (MDCA) with current and active Notice of
■ Field	Acceptance (NOA)
FM Rating:	☐ Multiple Systems
Roof Nav Assembly #:	• Field
Perimeter	NOA:
FM Rating:	Uplift Resistance:
Roof Nav Assembly #:	Perimeter
Corner	NOA:
FM Rating:	Uplift Resistance:
Roof Nav Assembly #:	• Corner
☐ Single System	NOA:
FM Rating:	
Roof Nav Assembly #:	Uplift Resistance:
☐ ICC Evaluation Service (ICC-ES)	☐ Single System
· · ·	NOA:
Note: The design team must also submit a copy of the ICC- ES Report for each approved system to the FORTIFIED	Uplift Resistance:
Commercial Evaluator. ICC-ES Approved roof assemblies	☐ Single System with Edge (Perimeter/Corner)
can be found by using the search tool located at <u>www.icc-</u>	Enhancements
es.org/evaluation-report-program/reports-directory.	■ Field
☐ Multiple Systems	NOA:
Field	Uplift Resistance:
ESR Report Number:	Note: Perimeter and corner enhancements can be made in accordance with the Miami-Dade
Division Number:	County Notice of Acceptance.
Section Number:	Describe the enhancements and how they were
Table and System Number:	Describe the enhancements and how they were obtained for both the perimeter and corner:
Uplift Resistance(psf):	
Perimeter	
ESR Report Number:	
Division Number:	
Section Number:	
Table and System Number:	☐ Texas Department of Insurance (TDI)
Uplift Resistance (psf):	Note: The design team must also submit a copy of the TDI
■ Corner	Product Evaluation Report for each approved system to
ESR Report Number:	the FORTIFIED Commercial Evaluator. TDI Approved roof
Division Number:	assemblies can be found by using the search tool located at www.tdi.texas.gov/wind/prod/indexrc.html .
Section Number:	
Table and System Number:	☐ Multiple Systems
Unlift Resistance (nsf):	

Field	Cover/Cap Sheet	Yes □	N/A □
TDI Evaluation ID:	33.37, 33.6 33.33.		
Assembly Number:	Cover/Cap Sheet Type:		
Uplift Resistance Range:	Manufacturer:		
Perimeter	Trade Name:		
TDI Evaluation ID:			
Assembly Number:	Cover/Cap Sheet Attachment	Yes □	N/A □
Uplift Resistance Range:	☐ Adhered		
Corner			
TDI Evaluation ID:	Manufacturer:		
Assembly Number:	Trade Name:		
Uplift Resistance Range:	Adhesion Rate:		
☐ Single System	☐ Mechanically Fastened		
TDI Evaluation ID:	Sheet Width (in.):		
Assembly Number:	Fastener:		
Uplift Resistance Range:	Manufacture	er:	
☐ UL Rated	Type:		
Note: The design team must submit a copy of the UL	Plate:		
Product Specification Report for each approved system to the FORTIFIED Commercial Evaluator. Product	Manufacture	er:	
Specification Reports can be found by using the UL search	Туре:		
tool located at http://productspec.ul.com/index.php .	Fastener Spacing (in.):		
☐ Multiple Systems	Field:		
• Field	Perimeter:		
UL Product Number:	Corner:		
Option Number:	Fastener Spacing Alon	g Laps (in.):	
Uplift Resistance (psf):	Field:		
■ Perimeter			
UL Product Number:			
Option Number:			
Uplift Resistance (psf):	Cover Board	Yes □	N/A □
■ Corner	Select the cover board type:		
UL Product Number:	☐ Polyisocya	anurate	
Option Number:	☐ Perlite		
Uplift Resistance (psf):	☐ Fiberglass ☐ Wood Fib		
☐ Single System			
UL Product Number:	Manufacturer:		
Option Number:	Trade Name:		
Uplift Resistance (psf):	Thickness (in.):		
	Cover Board Attachment:		
Roof System Detail Breakdown	\Box Adhered \Box	Mechanically Fa	astened
Fill in the correct information for the individual parts of the	Details:		
approved system. If it does not apply to the selected approved system, please select N/A.			

Select the insulation board(s) type:

Yes □ N/A □

Insulation

For architectural and structural metal roof panel systems, do not fill

out the information in this section—rather, fill out the information in the "Architectural/Structural Metal Roof Panel Systems" section.

☐ Perlite			Corner		
	☐ Fiberglass		Corner:		
	☐ Wood Fiber		Base Sheet Yes □ N/A □		
	☐ Other:		Base sheet general information:		
Ma	anufacturer:		Base Sheet Manufacturer:		
Tra	ade Name:		Thickness (in):		
Во	ard Thickness (in.):		Base sheet attachment:		
Nu	ımber of boards:		☐ Self-Adhered		
ls t	the insulation board tapered? Yes \Box	I NO □	☐ Mechanically Attached		
Intermediate Layers	Yes □	N/A □	Fastener:		
Select the intermedia	ate layer type:		Trade Name:		
	☐ Isocyanurate		Fastener Type:		
	☐ Perlite		∵. □ Split Shank		
	☐ Fiberglass				
	☐ Wood Fiber		☐ Other:		
	☐ Other:		Diameter (in):		
	anufacturer:		Length (in):		
	ade Type:		Plate (if differs from trade name above):		
Th	ickness (in.):		Plate Name:		
			Plate Material:		
Insulation Board Fasteners Yes \(\Boxed{\text{Yes}} \\ \Dag{\text{N/A}} \\ \Boxed{\text{Insulation}}		N/A □	☐ Metal ☐ Plastic		
Calaat tha attachus an			□ Other:		
Select the attachmen	it method:		- Other.		
☐ Adhered			Plate Diameter (in):		
☐ Adhered			Plate Diameter (in):		
☐ Adhered Ma			Plate Diameter (in):Fastening Pattern ¹³ :		
□ Adhered Ma Tra	anufacturer:		Plate Diameter (in):Fastening Pattern ¹³ : Field:		
□ Adhered Ma Tra Ap	anufacturer:ade Name:		Plate Diameter (in):Fastening Pattern ¹³ : Field:		
□ Adhered Ma Tra Ap Ad	anufacturer: ade Name: plication Type ¹² :		Plate Diameter (in):Fastening Pattern ¹³ : Field:		
□ Adhered Ma Tra Ap Ad □ Mechani	anufacturer:ade Name:plication Type ¹² :lhesion Rate:		Plate Diameter (in):Fastening Pattern ¹³ : Field:		
□ Adhered Ma Tra Ap Ad □ Mechani	anufacturer:ade Name:plication Type 12:lhesion Rate:lically Fastened		Plate Diameter (in):Fastening Pattern ¹³ : Field:		
□ Adhered Ma Tra Ap Ad □ Mechani	anufacturer:ade Name:plication Type 12:lhesion Rate:ically Fastened		Plate Diameter (in): Fastening Pattern ¹³ : Field: Perimeter: Corner: Additional Single-Ply Membrane Requirements Yes \(\Delta \) N/A \(\Delta \) Single-ply roof covers have a perimeter peel stop with a termination		
□ Adhered Ma Tra Ap Ad □ Mechani	anufacturer:ade Name:lhesion Rate:lically Fastened stener: Trade Name:		Plate Diameter (in): Fastening Pattern ¹³ : Field: Perimeter: Corner: Additional Single-Ply Membrane Requirements Yes \(\bigcap \) N/A \(\bigcap \)		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:ade Name:		Plate Diameter (in): Fastening Pattern ¹³ : Field: Perimeter: Corner: Corner: Single-Ply Membrane Requirements Yes N/A Single-ply roof covers have a perimeter peel stop with a termination bar or similar located 1–2 ft from the roof edge. Yes N/A		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:		Plate Diameter (in): Fastening Pattern ¹³ : Field: Perimeter: Corner: Additional Single-Ply Membrane Requirements Yes \(\Delta \) N/A \(\Delta \) Single-ply roof covers have a perimeter peel stop with a termination		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:		Plate Diameter (in):		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:		Plate Diameter (in):		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:		Plate Diameter (in):		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:	ic	Plate Diameter (in):		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:	ic	Plate Diameter (in):		
□ Adhered Ma Tra Ap Ad □ Mechani Fa:	anufacturer:	ic	Plate Diameter (in): Fastening Pattern ¹³ : Field: Perimeter: Corner: Additional Single-Ply Membrane Requirements Yes N/A Single-ply roof covers have a perimeter peel stop with a termination bar or similar located 1–2 ft from the roof edge. Yes N/A Mechanically Attached Single-Ply Membrane on Steel Decks—Sheets and fasteners are installed PERPENDICULAR to the steel deck ribs. Yes N/A Ballasted, roof pavers, and pedestal systems are NOT being used. Yes □		

 $^{^{12} \}mbox{Refers}$ 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.

 $^{^{\}rm 13} \textsc{Fastening}$ pattern rate shall be in terms of square footage (sq ft) per (1) fastener.

regions. Structural calculations, uplift tests, and/or additional documentation may be requested by the FORTIFIED Commercial Evaluator. Select the system: ☐ Extensive ☐ Simple Intensive (Semi-Intensive) Provide the appropriate approval rating and number: ☐ FM RoofNav Number: _____ ☐ Miami-Dade NOA:_____ Architectural/Structural Metal Roof Panel Yes □ N/A □ Please indicate the roof system: \square Non-structural architectural metal panel roofs on solid wood sheathing ☐ Structural metal panel roof systems on open framing members ☐ Structural Standing Seam ☐ Through-Fastened (Lap Seam) Purlin spacing: Field: Perimeter:_____ Approved System: ☐ FM Approval Standard 4470 or FM4471 FM RoofNav: ☐ Miami-Dade County Approved NOA:_____ Attachment: ☐ Clip Spacing (in.): Field:_____ Perimeter: Corner:_____ Number of screws per clip:_____ Total screw pull out value (lb): ☐ Other (i.e., through-fastened with wood screw): Describe:_____

Vegetative roof systems are permitted only in high-wind-prone

	Field:
	Perimeter:
	Corner:
	Lap Seam Fasteners:
	Field:
	Perimeter:
	Corner:
	ments include a minimum 2.0 safety factor as described in 1.1.3 of the FORTIFIED Commercial—2025 Wind standard.
Structi	ural Roof Deck
specified	ural roof deck resists the loads and load combinations in ASCE 7 as outlined in section 3.1.1.3.1 of the FORTIFIED sial–2025 Wind standard.
	ural roof deck attachment capacity meets the pressures in section 3.1.1.3 of the FORTIFIED Commercial—2025 Wind
Select the	e deck type and specify construction:
	☐ Cast-in-place structural concrete with lightweight insulating concrete (LWIC) above structural concrete
	$\hfill\square$ 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 helow:

	Deck gauge:	_ □ Wood beams
	Deck attachment method:	☐ Glulam beams
	□ Weld	☐ Cross laminated timber
	Weld size (in.):	- □ Other:
	Weld spacing (in.):	Structural Framing Member Spacing (in.):
	Field:	
	Perimeter:	
	Corner:	- Corner:
	☐ Screw or ☐ Rivet	Doof Edge Fleshing Coning and Counter
	Size:	Roof Edge Flashing, Coping, and Counter
	Head diameter (in.):	Flashing Yes □ N/A □
	Spacing (in.):	☐ All flashing is designed in accordance with ANSI/SPRI/FM
	Field:	4435/ES-1 for the ASCE 7 design wind pressures as outlined in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 Wind
	Perimeter:	- standard.
	Corner:	Wood Nailers Yes □ N/A □
	☐ Other:	☐ Wood nailers comply with the guidance found in section 2.2.2 of
	Spacing (in.):	the FM Data Sheet 1-49.
	Field:	- Wood Nailer:
	Perimeter:	- Wood Species:
	Corner:	- Width:
	Joist or Beam Spacing (in.):	Thickness(in):
	Field:	- Wood Nailer Securement:
	Perimeter:	Nail/Rolt Size:
	Corner:	- Corrosion Resistance
	Manufacturer:	□ Het disser gelvesiged steel
	Model:	-
П	Wood Deck	- □ Other:
	Deck Type:	☐ Wood nailers have been secured with two rows of
	□ Plywood	staggered fasteners.
	·	
	☐ Oriented strand board (OSB) plank	
	☐ Other:	Gutters Systems 163 Li N/A Li
	Deck Thickness (in.): Deck Attachment Method:	Select the option which best describes the gutter system.
		☐ ANSI-SPRI GD-1 (2010) with the adjustments outlined in section
	☐ Screw ring-shank nail	3.1.1.3 of the FORTIFIED Commercial—2025 Wind standard.
	☐ Spiral nail	☐ ANSI-SPRI GT-1 (2016) with the adjustments outlined in section
	☐ Smooth nail	3.1.1.3 of the FORTIFIED Commercial 2025 Wind standard.
	Fastener size:	
	Fastener spacing (in.):	-
	Structural Framing Members:	
	☐ Wood joists	

Steep-Sl	oped (>10°	') System		Architectural Metal Panels Select architectural metal panel system approval: N/A
Yes□ N/A□				
Asphalt Shingles and Architectural Metal Panel			al Metal Panel	☐ Florida Product Approval ☐ ICC-ES
				☐ Miami-Dade
	isphalt shingles of ponding informat		etal panels and fill	
Asphalt Shingles Yes □ N/A □			Yes □ N/A □	Provide the documentation number associated with the approved
Ruildings with	Exposure Catego	ry D or with a m	ean roof height	system (i.e., FL Number for FPA):
_	60' must use ASTN	-	-	☐ Multiple systems
SELECTION	WIND SPEED (V _{asd})	WIND SPEED (Vult)	SHINGLE TESTING STANDARD/ CLASSIFICATION	
	100 MPH	129 MPH		☐ Single system:
	110 MPH	142 MPH	ACTM D2464 (Class F)	☐ Enhancements (describe):
	120 MPH	155 MPH	ASTM D3161 (Class F) or ASTM D7158	Limancements (describe).
	130 MPH	168 MPH	(Class G or H)	
	140 MPH	180 MPH		
	150 MPH	194 MPH		
Manufacturer name: Number of nails used to install shingles for high wind rating (per shingle tab) ¹⁴ : Shingles are installed at eaves using (check one): Option 1: 8-inwide x 1/2-inthick bed of flashing cement			wind rating (per : ed of flashing cement	A check in the box beside each requirement indicates that the architectural metal panel installation is in accordance with the standard. □ The architectural metal panels were designed to meet the desig wind pressures of ASCE 7 for the building specific parameters as outlined in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 Wind standard.
☐ Option 2: Shingle manufacturer approved ASTM D1970 fully adhered starter strip				☐ The panel attachments were designed for the wind pressures as defined in section 3.1.1.3 of the FORTIFIED Commercial— 2025 Win standard.
	nstalled at rakes/g			
			ed of flashing cement	☐ Attachments are installed per the manufacturer's guidelines.
\square Option 2: Manufacturer approved starter strip set in an 8-inwide x $1/2$ -thick bed of flashing cement				Sealed Roof Deck Options for Asphalt Shingles and Metal Roof Covers
☐ Option 3: Shingle manufacturer approved ASTM D1970 fully adhered starter strip			proved ASTM D1970	Select one of the following options to indicate how the roof deck i sealed:
hingles instal	lled at intersectio	ns and valleys:		☐ OPTION 1: FLASHING TAPE AND UNDERLAYMENT-
☐ 8-inwide x 1/8-inthick bed of flashing cement			ing cement	Tape the seams between roof sheathing that forms the roof deck and add an approved underlayment.
□Ne	ot applicable			☐ 4" wide ASTM D1970 self-adhering polyme modified bitumen flashing tape.
				☐AAMA 711-13, Level 3 self adhering flashing

tape.

 $^{^{14}\!\!}$ nails per shingle are usually required by shingle manufacturers for high wind installation.

	☐ Mortar-set tile or mortar-set nip and ridge tiles are not used.
over the self adhering tape: ☐ ASTM D226 Type II (#30) ☐ ASTM D4869 Type III or Type IV(#30) ☐ ASTM D6757 (for asphalt shingles only) ☐ Reinforced synthetic roof underlayment which has an ICC approval as an alternative to ASTM D226 Type II felt paper with a minimum tear strength of 15lbf in accordance with ASTM D4533 and a minimum tensile strength of 20 lbf.in. in accordance with ASTM D5035. ☐ OPTION 2: SELF ADHERED MEMBRANE- Cover the entire roof deck with a full layer of self-adhering polymer-modified bitumen membrane meeting ASTM D1970	 ☐ Hip and ridge boards or metal must be attached to the roof framing to resist the uplift pressure for the site design wind speed and exposure or in accordance with the tile manufacturer's product approval. ☐ Hip and ridge tiles must be secured to the hip and ridge boards or metal with mechanical fasteners and/or an approved roof tile adhesive. Concrete and Clay Tile Sealed Roof Deck Select one of the following options to indicate how the roof deck is sealed: ☐ OPTION 1: FLASHING TAPE AND UNDERLAYMENT-
requirements. OPTION 3: TWO LAYERS OF FELT UNDERLAYMENT-	Tape the seams between roof sheathing that forms the roof deck and add an approved underlayment.
Install two (2) layers of one of the following code- compliant underlayment options:	\square 4" wide ASTM D1970 self-adhering polymer-modified bitumen flashing tape.
☐ ASTM D226 Type II (#30)	☐ AAMA 711-13, Level 3 self adhering flashing tape.
☐ ASTM D4869 Type III or Type IV (#30)	And apply a #30 ASTM D226 Type II
□ ASTM D6757 (for asphalt shingles only) □ OPTION 4: 2-PLY SYNTHETIC UNDERLAYMENT- Install two (2) layers of one of the following code-compliant synthetic underlayment options: □ ASTM D8257 − Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing. □ Reinforced synthetic roof underlayment which has a current ICC, AC 188 approval as an alternate to ASTM D226 Type II felt paper. The synthetic underlayment must have a minimum tear strength of 15 lbf in accordance with ASTM D4533, a minimum tensile strength of 20 lbf/in. in accordance with ASTM D5035 and pass the ASTM D4869 liquid water transmission test.	underlayment/anchor sheet over the self-adhering tape. Then apply an approved self-adhering polymer-modified bitumen roof tile cap sheet that complies with ASTM D1970 and meets the site design wind speeds over this underlayment or hot-mop an approved tile underlayment over the underlayment/anchor sheet using hot asphalt. DPTION 2: SELF ADHERED MEMBRANE- Cover the entire roof deck with a full layer of self-adhering polymer-modified bitumen membrane meeting ASTM D1970 requirements. Note: Some local building departments prohibit the use of this system. Check with the local building department for restrictions. Manufacturers emphasize the need for adequate attic ventilation when this type of membrane is applied over the entire roof.
Concrete and Clay Tile Yes □ N/A □	Other Roof Coverings Yes \(\simeg \text{ N/A } \(\simeg \)
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.	Roof type:
Select the Concrete and Clay Tile approval:	Describe how the roof covering meets the design pressures as
☐ Florida Product Approval ☐ TDI ☐ ICC-ES ☐ Miami-Dade	outline in section 3.1.1.3 and that the attachments meet the design pressures as outline in section 3.1.1.3.1.
\Box Clay and concrete tiles are installed over a minimum $^{15}/_{32}$ -inthick plywood.	

If applicable, please de	scribe the sealed roof deck method:	Sawn Lumber or Wood Boards	Yes □ N/A □
		Check the box beside each requirement lumber or wood boards are in accordance requested information where indicated.	ce with the standard. Fill out
Structural Roof	Deck and Attachment structural roof deck and fill out the tion.	☐ Sawn lumber or wood board roof decload combinations specified in ASCE 7 as the FORTIFIED Commercial— 2025 Wind Manufacturer: Dimensions:	s outlines section 3.1.1.3.1 of standard.
Plywood and oriented s	strand board (OSB) Yes \square N/A \square	Width (in):	
Select the structural de	eck:		
□ Plywood □ 0	OSB		
installation is in accord. ☐ Roof sheathing can r	ach requirement to indicate that the tile ance with the standard. resist the loads and load combinations outlines section 3.1.1.3.1 of the FORTIFIED and standard.	Roof member spacing (in) 16: Sawn lumber or wood board roof decloads and load combinations specified ir 3.1.1.3 of the FORTIFIED Commercial—2 Describe the attachment detail:	k attachments can resist the ASCE 7 as outlines section
	nel thickness is not less than $^{7}/_{16}$ in. and no e installation of new clay or concrete roof		
Sheathing Fastening:			
Roof member	r spacing (in.) ¹⁵ :		
Sheathing thi	ckness (in.):	Structural Steel Decks Check the box beside each requirement	Yes □ N/A □ to indicate that the sawn
Fastener type		lumber or wood boards are in accordance requested information where indicated.	ce with the standard. Fill out
□ 8	3d ring-shank nails	☐ Structural steel deck can resist the loa	ads and load combinations
	10d ring-shank nails	specified in ASCE 7 as outlines section 3. Commercial 2025 Wind standard.	1.1.3.1 of the FORTIFIED
	Other (engineer of record must provide culations)	Manufacturer:	
Not	te: Smooth-shank nails are not permitted.	Gauge:	
Fastener spac	cing:	Profile:	
Field:	☐ 4 in o.c. ☐ Other:	Roof member spacing (in.):	
Perimeter:	☐ 4 in. o.c. ☐ Other:	☐ Structural steel deck attachments can combinations specified in ASCE 7 as outl	
Corner:	☐ 4 in. o.c. ☐ Other:	FORTIFIED Commercial – 2025 Wind star	ldard.
		Describe the attachment details:	

 $^{^{15}}$ For 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.

 $^{^{16}\}mbox{Measured}$ from centerline to centerline in inches.

Drip Edge (Edge Flashing) Yes □ N/A □	☐ Skylights and their attachments are designed and detailed for the ASCE 7 wind loads and provide an uplift resistance as defined in
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.	section 3.1.1.3.1. Skylights must be tested and approved at a minimum to (check one
☐ Minimum 26 gauge	that applies):
	☐ AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330
☐ Joints are overlapped a minimum of 3 in.	☐ The Florida Building Code Testing Application Standard TAS 202
☐ Drip edge extends ½ in. below sheathing and extends back on the roof a minimum of 2 in.	☐ Installation meets the air and water infiltration requirements of
☐ Mechanically fastened at 4 in. o.c. and fasteners are alternating	ASTM E330 and ASTM E331. □ The curb is designed to meet the minimum required uplift
(staggered)	
☐ Drip edge is installed over the underlayment	requirements with additional factor of safety as defined in section 3.1.1.3.
Flashing (All Non-Edge Flashing Applications)	Hurricane-Prone Regions Only:
Yes □ N/A □	Skylights shall conform to <u>one</u> of the following:
Check the box beside each requirement to indicate that the flashing is in accordance with the standard. Fill out requested information	☐ ASTM E1886 cyclic pressure test requirements and ASTM E1996 large missile impact
where indicated.	rated "C" or "D"
☐ Meets the 2018 IBC	☐ FM Approved per ANSI FM 4431 and FM 4350 with large
☐ Meets the manufacturer's installation guidelines	missile impact rating.
Ridge and Off Ridge Vents Yes □ N/A □	☐ Miami-Dade County Approved (TAS 201 and TAS203), with large missile impact rating.
Check the box beside each requirement to indicate that the ridge and off ridge vents are in accordance with the standard. Fill out	Roof-Mounted Structures and
requested information where indicated.	Equipment (RME) Yes□ N/A □
☐ Ridge and off ridge vents are TAS 100(A) rated for resisting water intrusion in high winds.	Check the box beside each requirement to indicate that the RME are in accordance with the FORTIFIED Commercial – 2025 Wind
☐ Attached to the roof per the manufacturer's installation	standard.
guidelines.	☐ Ballasted systems are NOT used.
Gable End Vents Yes □ N/A □	\Box All RME and their attachments have been designed with a minimum factor of safety as defined in section 3.1.1.3 of the
IBHS recommends against including gable end vents in new commercial buildings built in hurricane-prone regions. If they must	FORTIFIED Commercial– 2025 Wind standard.
be used to meet code they must meet:	All RME and their attachments are in accordance with one of the following:
$\hfill \Box$ Gable end vents are TAS 100(A) rated for resisting water intrusion in high winds.	☐ ASCE 7-10 Section 29.5.1 (h≤60ft)
$\hfill \square$ Attached to the roof per the manufacturer's installation guidelines.	☐ ASCE 7-16 Section 29.4
Skylight Yes□ N/A □	

Check the box beside each requirement to indicate that the skylights are in accordance with the FORTIFIED Commercial— 2025 Wind

standard.

Photovoltaic Systems			
Yes□ N/A □			
Photovoltaic (PV) systems and their attachments are designed with a minimum factor of safety outlined in section 3.1.1.3 of the FORTIFIED Commercial— 2025 Wind standard and in accordance with (select one):			
☐ ASCE 7-16			
☐ ASCE 7-22 ☐SEAOC PV2			
☐Model-scale wind tunnel study that meets the requirements of ASCE 49-12 (documentation must be submitted)			
Lightning Protection Yes□ N/A □			
Check the box beside each requirement to indicate that the lightning protection system is in accordance with the FORTIFIED Commercial—2025 Wind standard.			
☐ The system is designed and installed in accordance with FEMA-Rooftop Attached Lightning Protection Systems in High-Wind Regions.			
$\hfill \Box$ Looped conductor connections were used in lieu of pronged connectors.			
☐ Bolted splice connectors were used in lieu of pronged connectors.			
□ Bolted splice connectors were used in lieu of pronged connectors. Low-Sloped (≤10°) Roof-Mounted Safety			
Low-Sloped (≤10°) Roof-Mounted Safety			
Low-Sloped (≤10°) Roof-Mounted 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			
Low-Sloped (≤10°) Roof-Mounted 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 FORTIFIED Commercial—2025 Wind standard. □ Rails and their connections were designed in accordance with IBC			
Low-Sloped (≤10°) Roof-Mounted 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 FORTIFIED Commercial—2025 Wind standard. □ Rails and their connections were designed in accordance with IBC 2015/2018 and ASCE 7-10/16. □ A calculation set by the engineer of record must be submitted with this document including all wind design parameters, member selection and design, connection details and capacity verification,			
Low-Sloped (≤10°) Roof-Mounted 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 FORTIFIED Commercial—2025 Wind standard. □ Rails and their connections were designed in accordance with IBC 2015/2018 and ASCE 7-10/16. □ A calculation set by the engineer of record must be submitted with this document including all wind design parameters, member selection and design, connection details and capacity verification, and the supporting structural member calculations.			
Low-Sloped (≤10°) Roof-Mounted 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 FORTIFIED Commercial—2025 Wind standard. □ Rails and their connections were designed in accordance with IBC 2015/2018 and ASCE 7-10/16. □ A calculation set by the engineer of record must be submitted with this document including all wind design parameters, member selection and design, connection details and capacity verification, and the supporting structural member calculations. Low- Sloped (≤10°) Roof Equipment			

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– 2025 Wind standard.				
Openir	ng Protection			
	gn Pressures elect and fill out the appropriate wind pressures.			
	☐ ASCE 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 7-16/22 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:			
	and Glazed Openings Yes □ N/A □ type(s) of window system:			
	☐ Single-pane			
	☐ Double-pane			
	☐ Laminated glass			
	\square Impact-rated laminated window and frame system			
	☐ Triple-pane impact-rated laminated window and frame system			
indicate t	box beside each requirement or respond to the item to hat the windows are in accordance with the FORTIFIED ial– 2025 Wind standard.			
	Windows and glazed openings are designed for the load combinations outlined in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 Wind standard.			

Hurricane-Prone Regions: Fill out the following if you are located in a hurricane-prone region. If you are not located in a hurricane-prone region, continue to high-wind-prone region.		
	$\hfill \square$ Labels verifying the impact rating and pressure capacity are visible on the installed windows.	
Window followin	s, glazed openings, curtain walls meet (select one of the g):	
	☐ AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330	
	\Box The Florida Building Code Testing Application Standard TAS 202	
Impact P	rotection:	
	O Feet of Grade: Windows, glazed openings, curtain walls lect one of the following):	
	\Box Large Missile Level D (9 lb 2x4 impacting end on at 50 ft/sec) as defined in ASTM E1996 and ASTM E1886 and AAMA 506	
	$\hfill\Box$ The Florida Building Code Testing Application Standards TAS 201 and TAS 203	
30 Feet	or Higher: Windows, glazed openings, curtain walls meet:	
	$\hfill\Box$ ASTM E1886 cyclic pressure and Small Missile Level A as defined in ASTM E1996, ASTM E1886 and AAMA 506.	
Large Co	mmercial Doors Yes 🗆 N/A 🗆	
sectiona	orge commercial doors including roll-up, overhead, and I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 and ard.	
sectiona defined i Wind sta	garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial—2025	
sectiona defined i Wind sta	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial—2025 indard.	
sectiona defined i Wind sta	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial—2025 and ard. mmercial doors meet (select one of the following):	
sectiona defined i Wind sta	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial—2025 indard. Immercial doors meet (select one of the following): AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330	
sectiona defined Wind sta Large co	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 indard. Immercial doors meet (select one of the following): AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330 ANSIDASMA 108 The Florida Building Code Testing Application Standard	
sectiona defined Wind sta Large co	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 indard. Immercial doors meet (select one of the following): AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330 ANSIDASMA 108 The Florida Building Code Testing Application Standard TAS 202	
sectiona defined Wind sta Large co	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 indard. Immercial doors meet (select one of the following): AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330 ANSIDASMA 108 The Florida Building Code Testing Application Standard TAS 202 Introduction:	
sectiona defined Wind sta Large co	I (garage doors) are designed for the load combinations in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 indard. Immercial doors meet (select one of the following): AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330 ANSIDASMA 108 The Florida Building Code Testing Application Standard TAS 202 Irotection: Immercial doors meet (select one of the following): Large Missile D (9 lb 2x4 impacting end on at 50 ft/sec)	

Exterior Personnel Doors All personnel doors are designed for the load combinations outlined in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 Wind standard.	☐ Meets the International Code Council (ICC) Evaluation Service – Acceptance Criteria for Sandwich Panels ACO4. Any adhesives used shal comply with ASTM D2559 or the ICC Acceptance	
Hurricane-Prone Regions: Fill out the following if you are located in a hurricane-prone region.	Criteria for Sandwich Panel Adhesives AC05. ☐ Exterior insulating finishing systems (EIFS) ¹⁷	
Exterior personnel doors meet (select one of the following):	☐ For all new construction applications, EIFS systems shall be installed by a qualified professional with an active Association of the Wall and Ceiling Industry (AWCI)- EIFS Mechanic	
☐ AAMA/WDMA/CSA 101/ CSA 101/ A440, ASTM E330		
\square The Florida Building Code Testing Application Standard TAS 202	certification.	
Exterior Walls and Wall Protection	☐ Hurricane-Prone Regions Only: EIFS Installed on a metal or wood frame are not permitted unless they are a Miami-Dade County Approved system.	
Exterior walls and wall Protection		
☐ Wall systems are designed for the load combinations outlined in section 3.1.1.3.1 of the FORTIFIED Commercial— 2025 Wind standard.	□ Solid insulated concrete forms / ¾-in. plywood/ ≥ ⁷ / ₁₆ -in wood structural panel sheathing with one of the following finishes:	
Hurricane-Prone Regions: Fill out the following if you are located in	□ ½-in. stucco (IR)	
a hurricane-prone region.	☐ ½-inthick wood (IR)	
☐ Wall impact resistance meets the requirements of ASTM E1886 and ASTM E1996 for the impact of a 9-lb	☐ ½-in. fiber-cement-based planking (IR)	
nominal 2x4 lumber missile impacting end on at 34 mph (50ft/s) (large missile impact level D).	☐ ≥%-inthick wood structural panel sheathing with viny or aluminum siding (IR)	
Wall Types	☐ Other walls	
Select all that apply; for hurricane-prone regions, exterior walls must	Describe "other" wall system:	
be impact rated (denoted as "IR" below).	,	
☐ Reinforced concrete block (IR)		
☐ Precast concrete/tilt up panels (IR)		
☐ Cast-in-place concrete (IR)	-	
\square Brick veneer over wood or metal frame		
\square Brick with concrete block backing (IR)	☐ Wall systems are designed for the load combinations outlined in	
☐ Metal walls	section 3.1.1.3.1 of the FORTIFIED Commercial– 2025 Wind	
☐ 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.	standard. Hurricane-Prone Regions: Fill out the following if you are located in a hurricane-prone region.	
☐ Insulated concrete form	☐ 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).	
☐ Sandwich panel wall systems		

and/or do not have at least 5 years of useful life remaining will require repairs or replacement to be eligible for a FORTIFIED Silver designation.

For a national registry of AWCI certified professionals visit: https://www.awci.org/education/doing-it-right/eifs-doing-it-right#registry

¹⁷ For all existing EIFS that meet these criteria, a qualified professional with an active AWCIEIFS Inspectors certification shall inspect the EIFS and provide supporting documentation regarding its condition. EIFS that are not visibly damaged, deteriorated, chipped, or cracked, that 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. EIFS that do not meet these conditions

Parapets Yes □ N/A □ Is the parapet taller than 3 ft from base connection to free end?	located in a hurricane-prone region.
Yes □ NO	High-Wind-Prone Regions: Recommended—not required
If yes, is structural bracing (internal or external) provided and does it meet the minimum ASCE 7 standards? ☐ Yes ☐ NO	☐ 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
Gable Ends Yes □ N/A □ □ Gable end walls are designed in accordance with ASCE 7 as defined in section 3.1.1.3.1.	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.
☐ Gable end wall sheathing has sufficient strength and fastening to	☐ Yes ☐ N/A
resist wall design wind pressures specified in ASCE 7 as outlined in Section 3.1.1.3.1.	FORTIFIED Gold All FORTIFIED Silver requirements must be satisfied.
☐ Gable end bracing is designed by the structural engineer of record to meet the minimum design wind pressures specified in ASCE 7 as outlined in Section 3.1.1.3.1. and the engineer addressed the bending capacity of the gable wall, bracing of the gable wall at its top and bottom, and connection of the bottom of the gable wall	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— 2025 Wind standard.
to the wall below.	Continuous Load Path
☐ Gable end overhangs are constructed and attached to gable framing to resist the site-specific wind pressures specified in ASCE 7 as outlined in Section 3.1.1.3.1. Gable end overhangs greater than 12 iches should be designed as an outlooker by the structural engineer of record and calculations must be provided to the FORTIFIED Commercial Evaluator. Hurricane Prone Regions:	☐ A continuous and adequate load path from the roof to the foundation of the building exist. The building has positive 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.
☐ Gable end rake soffits are unvented.	☐ Inter-story connections in multi-story structures have a
	continuous load path through the wall to the foundation.
Chimneys Yes□ N/A □	Attached and Accessory Structures
☐ 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 □
	☐ Convenience store canopies, carports, porte cocheres or any other vehicle-type drive-through structures will have adequate load
Electrical/ Mechanical Systems	path members and connections to resist the loads and load
Flood Protection All electrical and mechanical equipment and connections necessary	combinations specified in ASCE 7 as outlined in section 3.1.1.3.1.
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.	Backup Power ☐ Backup power shall be available and capable of powering critical
□ Yes □ N/A	electrical and mechanical systems that maintain vital business operations. All equipment shall be installed in accordance with the
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.	requirements of Electrical Systems (Flood) described in section 3.2.3
□ Yes □ N/A	
Electrical Connections for Backup Power	