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- ▶ COMMUNITY PLANNING
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Search Criteria		Refine Search
Code Version	2007 FL#	6710
Application Type	ALL Product Manufacturer	ALL
Category	ALL Subcategory	ALL
Application Status	ALL Compliance Method	ALL
Quality Assurance Entity	ALL Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL Product Description	ALL
Approved for use in HVHZ	ALL Approved for use outside HVHZ	ALL
Impact Resistant	ALL Design Pressure	ALL
Other	ALL	

Search Results - Applications				
FL#	Type	Manufacturer	Validated By	Status
FL6710-R1 History	Affirmation	Metro Roof Products Category: Roofing Subcategory: Metal Roofing	Gary W. Walker (205) 854-0160	Approved

[DCA Administration](#)

Department of Community Affairs
Florida Building Code Online
Codes and Standards
 2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100
 (850) 487-1824, Fax (850) 414-8436

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Product Approval

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- ▶ HOUSING & COMMUNITY DEVELOPMENT
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<p>FL #</p> <p>Application Type</p> <p>Code Version</p> <p>Application Status</p> <p>Comments</p> <p>Archived</p>	<p>FL6710-R1</p> <p>Affirmation</p> <p>2007</p> <p>Approved</p> <p><input type="checkbox"/></p>								
<p>Product Manufacturer</p> <p>Address/Phone/Email</p>	<p>Metro Roof Products</p> <p>3093 A Industry Street Oceanside, CA 92054 (760) 435-9842 Ext 102 petec@metroroofs.com</p>								
<p>Authorized Signature</p>	<p>Peter Croft petec@metroroofs.com</p>								
<p>Technical Representative</p> <p>Address/Phone/Email</p>	<p>Joseph Wilson</p> <p>3093 'A' Industry Street Oceanside, CA 92054 (760) 435-9842 joew@metroroofproducts.com</p>								
<p>Quality Assurance Representative</p> <p>Address/Phone/Email</p>	<p>Ray Pun</p> <p>3093 'A' Industry Street Oceanside, CA 92054 (760) 435-9842 rayp@metroroofproducts.com</p>								
<p>Category</p> <p>Subcategory</p>	<p>Roofing</p> <p>Metal Roofing</p>								
<p>Compliance Method</p>	<p>Test Report</p>								
<p>Testing Lab</p> <p>Quality Assurance Entity</p> <p>Quality Assurance Contract Expiration Date</p> <p>Validated By</p>	<p>Underwriters Laboratories Inc.</p> <p>Underwriters Laboratories Inc.</p> <p>Gary W. Walker</p> <p><input type="checkbox"/> Validation Checklist - Hardcopy Received</p>								
<p>Certificate of Independence</p>	<p>FL6710_R1_COI_PRI-CertIndep.pdf FL6710_R1_COI_ULCertIndep.pdf</p>								
<p>Referenced Standard and Year (of Standard)</p>	<table border="0"> <thead> <tr> <th style="text-align: left;">Standard</th> <th style="text-align: left;">Year</th> </tr> </thead> <tbody> <tr> <td>TAS-100-95</td> <td>2004</td> </tr> <tr> <td>TAS-110-95</td> <td>2004</td> </tr> <tr> <td>TAS-125-03</td> <td>2004</td> </tr> </tbody> </table>	Standard	Year	TAS-100-95	2004	TAS-110-95	2004	TAS-125-03	2004
Standard	Year								
TAS-100-95	2004								
TAS-110-95	2004								
TAS-125-03	2004								
<p>Equivalence of Product Standards Certified By</p>									

DIRECT to DECK

HIGH WIND CONSTRUCTION ASSEMBLY

WIND SPEED: **HVHZ**

BUILDING HEIGHT: **40 ft.**

Metro Roof Products
3093 'A' Industry Street
Oceanside CA 92054
PH 760-435-9842

EXPOSURE: **'C'**

MIN., ROOF PITCH: **3:12 (14-degrees)**

DESIGN CRITERIA:

The design criteria for uplift resistance pressures for a mean roof height of less than 40 feet is taken from the *Florida Building Code, Building* 2004 edition RAS 127-Table 1, Minimum Design Wind Uplift Pressure(s) in PSF for Field (P(1), Perimeter (P(2), and Corner (P(3) for Exposure 'C' Buildings with a Roof Mean Height as specified.

Mean Roof Height (ft)	Minimum Design Uplift Pressure (psf)			
	Roof Pitches			
	> 3:12 @ > 7:12 (≥ 14° @ > 30°)		@ ≥ 7:12 (@ ≥ 30°)	
	Field (P(1))	Perimeter & Corner (P(2) & (P(3))	Field (P(1))	Perimeter & Corner (P(2) & (P(3))
40 ft.	-52.1 psf	-109.9 psf	-56.9 psf	-66.5 psf

PANEL PROFILES
Applicable to this construction assembly

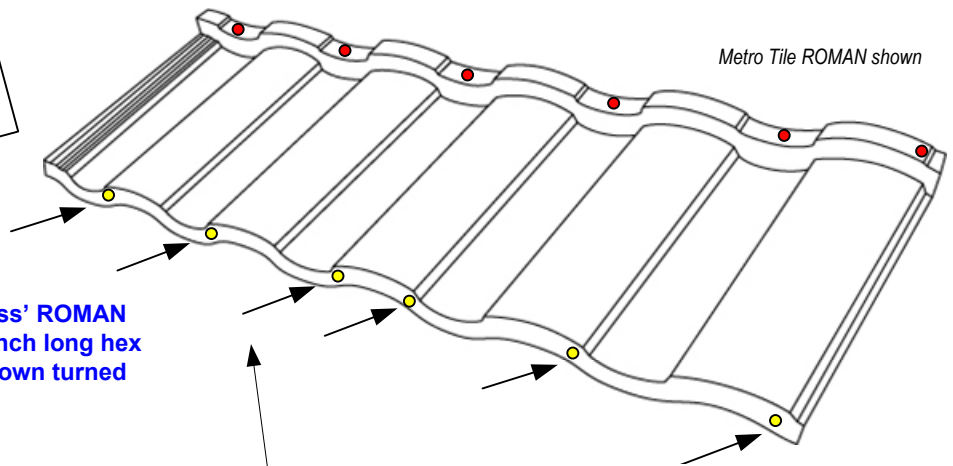
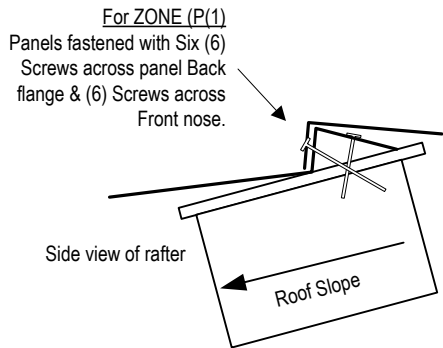
*** Metro ROMAN Tile** ⚠

Metro TILE

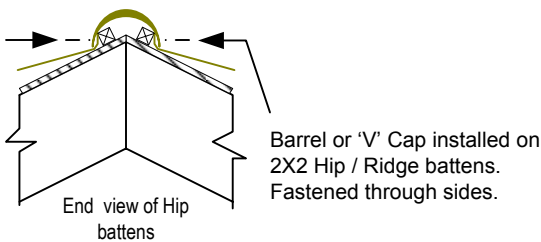
Metro SHAKE

ROOF WIND ZONE: FIELD (P(1) Allowable Design Pressure -138.5 PSF	
<i>(UL Project 06CA38220, TR-3-Ass'y # 1 = 247 PSF & TR-3-Ass'y # 2 = 307 PSF = Total 554 PSF div., by 2 = 277 PSF div., by 2 safety = 138.5 PSF)</i>	
DECKING	Min., 15/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel.
BATTENS	N/A (For trim cap fastening refer to Mfgr. Install Instruction for respective panel profile being used)
* PANELS	Panels attached with Six (6) #10 X 2" long hex head screws through the front downturn nose and Six (6) #10 X 2" long hex head screws across the back flange.

FASTENING Roof Wind Zones (P(1))



*** CAUTION** ⚠
Metro recommends its 'Batten-Less' ROMAN Tile be installed with #10 X 2-1/2" inch long hex headed screws across the front down turned nose.



For ZONE (P(1))
Panels fastened with Six (6) #10 X 2" HH Screws through front nose and Six (6) #10 X 2" HH Screws across the back flange. (See CAUTION note for Roman panel nose fasteners).

Roofs have designated ROOF WIND ZONES identified as either FIELD (P(1), PERIMETER (P(2), or CORNER (P(3). For details refer to Florida Building Code, Building Figures 1609.6C. Recommended safety factor = 2. (Ultimate Test Load 307 PSF) UL FILE R-19204

DIRECT to DECK

HIGH WIND CONSTRUCTION ASSEMBLY

WIND SPEED: HVHZ

BUILDING HEIGHT: 40 ft.

MIN., ROOF PITCH: 3:12 (14-degrees)

EXPOSURE: 'C'

MIN., ROOF PITCH: 3:12 (14-degrees)

Metro Roof Products
3093 'A' Industry Street
Oceanside CA 92054
PH 760-435-9842

DESIGN CRITERIA:

The design criteria for uplift resistance pressures for a mean roof height of less than 40 feet is taken from the *Florida Building Code, Building* 2004 edition RAS 127-Table 1, Minimum Design Wind Uplift Pressure(s) in PSF for Field (P(1), Perimeter (P(2), and Corner (P(3) for Exposure 'C' Buildings with a Roof Mean Height as specified.

Mean Roof Height (ft)	Minimum Design Uplift Pressure (psf)			
	Roof Pitches			
	> 3:12 @ > 7:12 (≥ 14° @ > 30°)		@ ≥ 7:12 (@ ≥ 30°)	
	Field (P(1))	Perimeter & Corner (P(2) & (P(3))	Field (P(1))	Perimeter & Corner (P(2) & (P(3))
40 ft.	-52.1 psf	-109.9 psf	-56.9 psf	-66.5 psf

PANEL PROFILES

Applicable to this construction assembly

* Metro ROMAN Tile

Metro TILE

Metro SHAKE

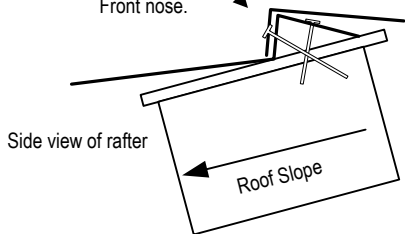
ROOF WIND ZONE: PERIMETER EDGE (P(2) & CORNER (P(3) Allowable Design Pressure -153.5 PSF

(UL Project 06CA38220 TR-4-Ass'y # 1 = 307 PSF div., by 2 safety = 153.5 PSF)

DECKING	Min., 15/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel.
BATTENS	N/A (For trim cap fastening refer to Mfr. Install Instruction for respective panel profile being used)
* PANELS	Panels attached with Six (6) #10 X 2" long hex head screws through the front downturn nose and Six (6) #10 X 2" long hex head screws across the back flange.

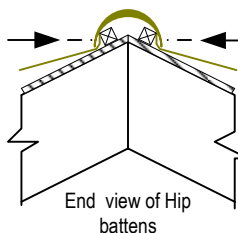
FASTENING Roof Wind Zones (P(2) & (P(3)

For ZONE (P(2) & (P(3)
Panels fastened with Six (6)
Screws across panel Back
flange & (6) Screws across
Front nose.

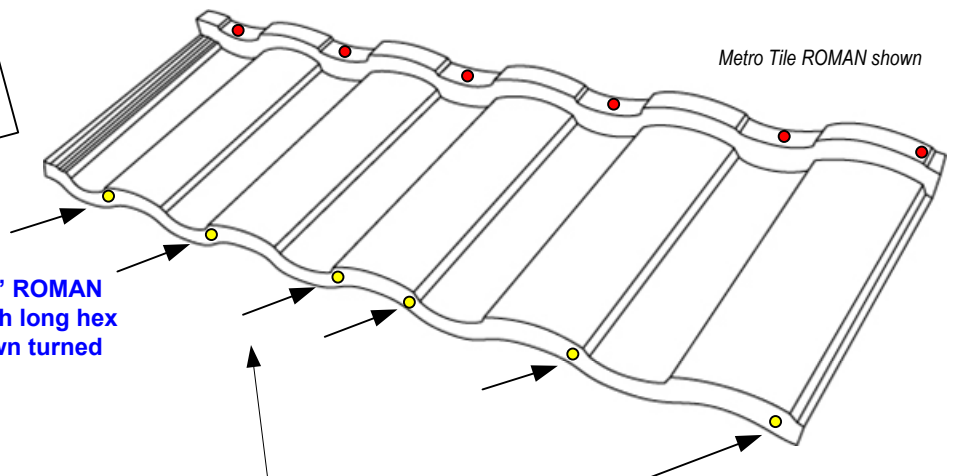


*** CAUTION**

Metro recommends its 'Batten-Less' ROMAN Tile be installed with #10 X 2-1/2" inch long hex headed screws across the front down turned nose.



Barrel or 'V' Cap installed on 2X2 Hip / Ridge battens. Fastened through sides.



For ZONE (P(2) & (P(3)

Panels fastened with Six (6) #10 X 2" HH Screws through front nose and Six (6) #10 X 2" HH Screws across the back flange. (See CAUTION note for Roman panel nose fasteners).

Roofs have designated ROOF WIND ZONES identified as either FIELD (P(1), PERIMETER (P(2), or CORNER (P(3). For details refer to Florida Building Code, Building Figures 1609.6C. Recommended safety factor = 2. (Ultimate Test Load 307 PSF) UL FILE R-19204

BATTEN

WIND SPEED: HVHZ

BUILDING HEIGHT: 40 ft.

Metro Roof Products
3093 'A' Industry Street
Oceanside CA 92054
PH 760-435-9842

HIGH WIND CONSTRUCTION ASSEMBLY

EXPOSURE: 'C'

MIN., ROOF PITCH: 3:12 (14-degrees)

DESIGN CRITERIA: The design criteria for uplift resistance pressures for a mean roof height of less than 40 feet is taken from the *Florida Building Code, Building 2004* edition RAS 127-Table 1, Minimum Design Wind Uplift Pressure(s) in PSF for Field (P(1), Perimeter (P(2), and Corner (P(3) for Exposure 'C' Buildings with a Roof Mean Height as specified.

Mean Roof Height (ft)	Minimum Design Uplift Pressure (psf)			
	Roof Pitches			
	> 3:12 @ > 7:12 (≥ 14° @ > 30°)		@ ≥ 7:12 (@ ≥ 30°)	
	Field (P(1))	Perimeter & Corner (P(2) & (P(3))	Field (P(1))	Perimeter & Corner (P(2) & (P(3))
40 ft.	-52.1 psf	-109.9 psf	-56.9 psf	-66.5 psf

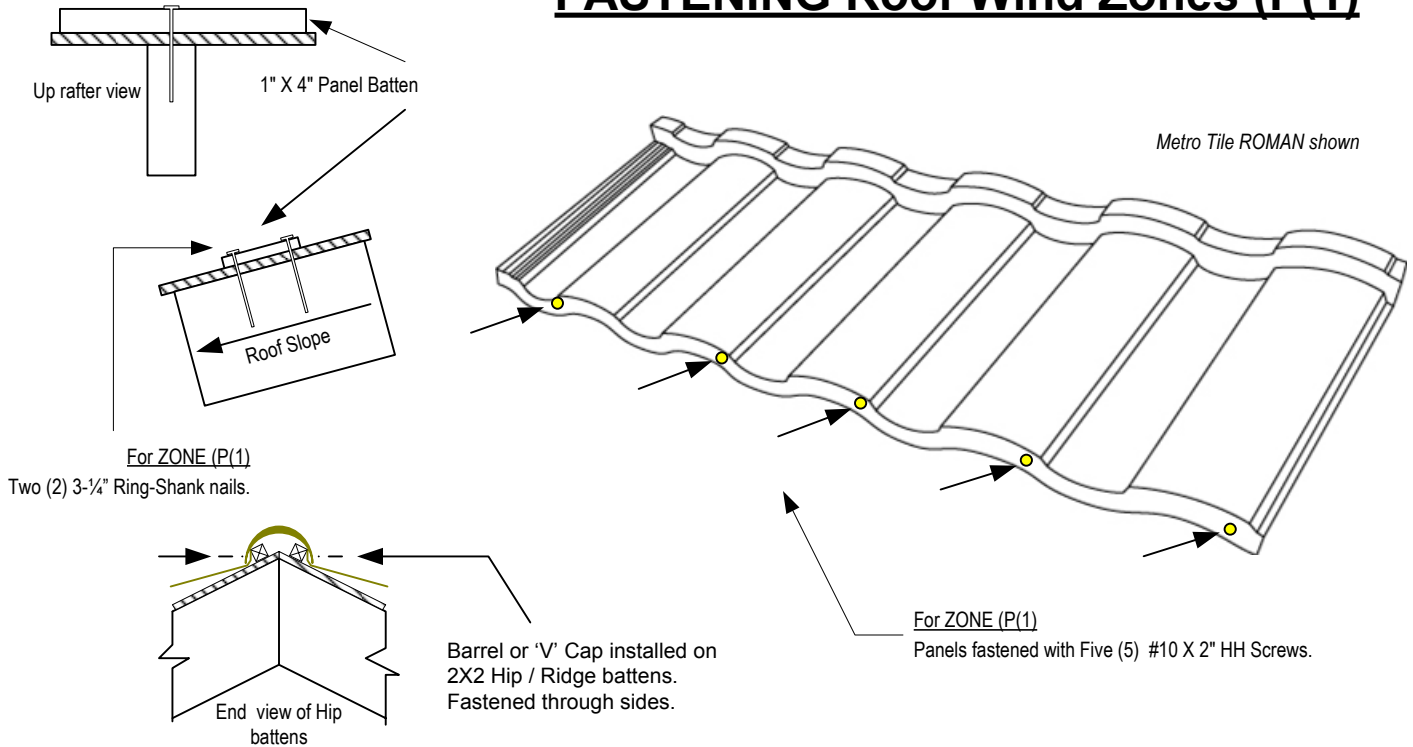
PANEL PROFILES
Applicable to this construction assembly

Metro ROMAN Tile
Metro TILE
Metro SHAKE

ROOF WIND ZONE: FIELD (P(1) Allowable Design Pressure -78.5 PSF
(UL Project 06CA38220, TR-1-Ass'y # 1 = 187 PSF & TR-1-Ass'y # 2 = 127 PSF Total = 314 PSF div., by 2 = 157 PSF div., by 2 Safety = 78.5 PSF)

DECKING	Min., 15/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel.
BATTENS	1X4" in. panel battens laid perpendicular to rafters and spaced at 14-1/2" in O/C up the rafter and attached with two (2) .131" X3-1/4" long Ring Shank nails @ 24" inches O/C at each rafter & 1X4 intersection. (For trim cap fastening refer to Mfrg. Install Instruction for respective panel profile being used)
PANELS	Panels attached through front downturn nose with Five (5) #10 X 2" inch long HH Screws per panel.

FASTENING Roof Wind Zones (P(1))



Roofs have designated ROOF WIND ZONES identified as either FIELD (P(1), PERIMETER (P(2), or CORNER (P(3). For details refer to Florida Building Code, Building Figures 1609.6C. Recommended safety factor = 2. (Ultimate Test Load 290 PSF) UL FILE R-19204

BATTEN

WIND SPEED: **HVHZ**

BUILDING HEIGHT: **40 ft.**

Metro Roof Products
3093 'A' Industry Street
Oceanside CA 92054
PH 760-435-9842

HIGH WIND CONSTRUCTION ASSEMBLY

EXPOSURE: **'C'**

MIN., ROOF PITCH: **3:12 (14-degrees)**

DESIGN CRITERIA: The design criteria for uplift resistance pressures for a mean roof height of less than 40 feet is taken from the *Florida Building Code, Building 2004 edition RAS 127-Table 1, Minimum Design Wind Uplift Pressure(s) in PSF for Field (P(1), Perimeter (P(2), and Corner (P(3) for Exposure 'C' Buildings with a Roof Mean Height as specified.*

Mean Roof Height (ft)	Minimum Design Uplift Pressure (psf)			
	Roof Pitches			
	> 3:12 @ > 7:12 (≥ 14° @ > 30°)		@ ≥ 7:12 (@ ≥ 30°)	
	Field (P(1))	Perimeter & Corner (P(2) & (P(3))	Field (P(1))	Perimeter & Corner (P(2) & (P(3))
40 ft.	-52.1 psf	-109.9 psf	-56.9 psf	-66.5 psf

PANEL PROFILES

Applicable to this construction assembly

Metro ROMAN Tile

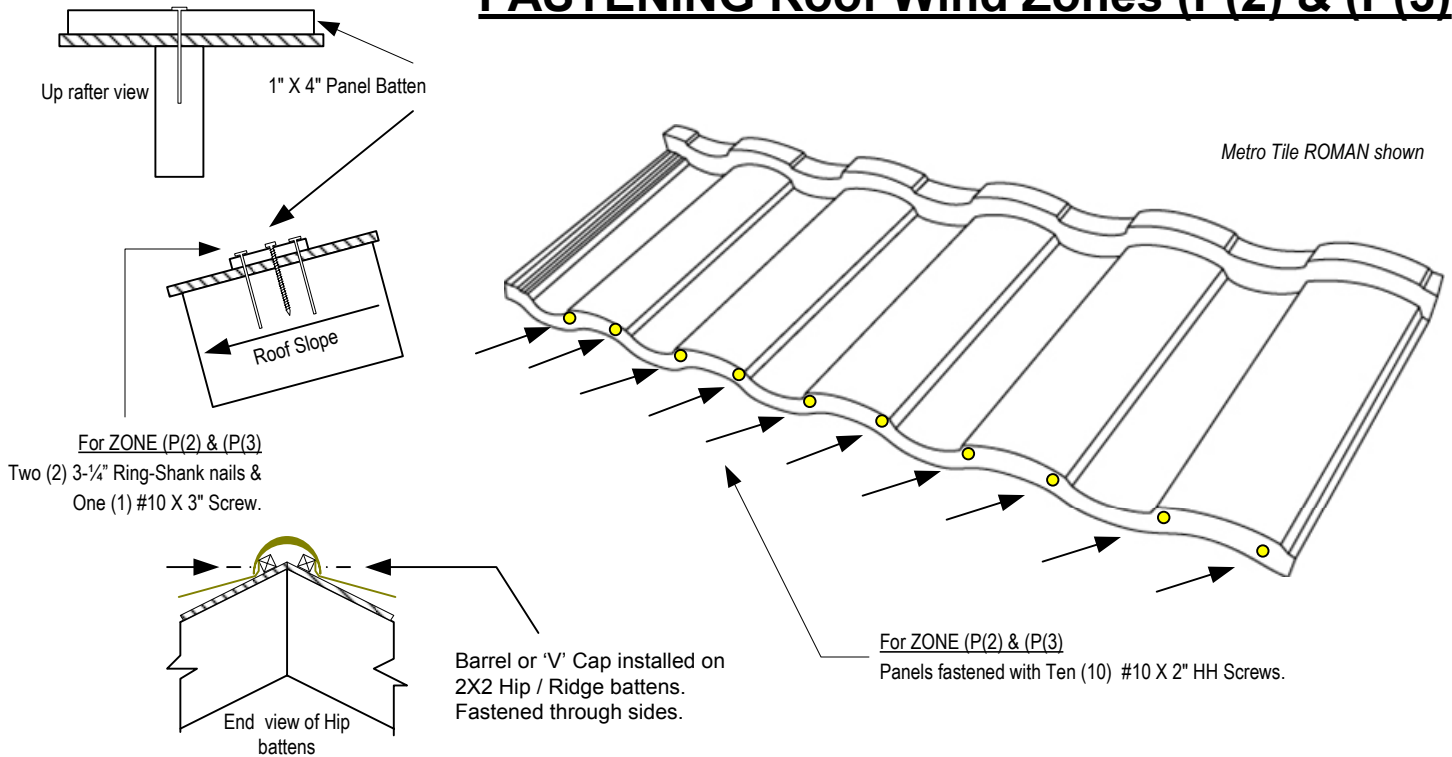
Metro TILE

Metro SHAKE

ROOF WIND ZONE: PERIMETER EDGE (P(2) & CORNER (P(3) Allowable Design Pressure -145 PSF
(UL Project 06CA38220, TR-2-Ass'y # 1 = 290 PSF div., by 2 safety = 145 PSF)

DECKING	Min., 15/32" in. thick, Grade B-C APA rated Plywood or equal. Each course must have continual support across roof at the back-lip of each panel.
BATTENS	1X4 PANEL BATTENS laid perpendicular to rafters and spaced at 14-1/2" in O/C up the rafter and attached with two (2) .131" X 3-1/4" long Ring Shank nails and one (1) #10 X 3" screw @ 24" inches O/C at each rafter & 1X4 intersection. . (For trim cap fastening refer to Mfg. Install Instruction for respective panel profile being used)
PANELS	Panels attached through the front downturn nose only with Ten (10) #10 X 2" inch long hex head screws per panel.

FASTENING Roof Wind Zones (P(2) & (P(3)



Roofs have designated ROOF WIND ZONES identified as either FIELD (P(1), PERIMETER (P(2), or CORNER (P(3). For details refer to Florida Building Code, Building Figures 1609.6C. Recommended safety factor = 2. (Ultimate Test Load 290 PSF) UL FILE R-19204