

The Commission of the City of Coral Gables intends to adopt and increase impact fees and all persons engaging in development should make provisions for payment of those fees.

Building & Zoning Department
 405 Biltmore Way, Third Floor
 Coral Gables, Florida 33134
 Tel: 305-460-5235
 Fax: 305-460-5261
 www.coralgables.com



CITY OF CORAL GABLES
BUILDING AND ZONING DEPARTMENT

Permit Application

AB/3090221

\$26⁵⁶
 9/9/13

MCOL #

ALL OF THE FOLLOWING MUST BE COMPLETED BY APPLICANT ACCORDING TO FS 713.35

Date: 8/23/13
 Application #:

Permit Type:	<input checked="" type="checkbox"/>
Building	
Electrical	
Mechanical	
Plumbing	
Roofing	
Misc.	
App.	

Master Permit #: PL 13090403
 Control #:

Permit Change:	<input checked="" type="checkbox"/>
Change of Contractor	
Permit Extension	
Permit Renewal	
Permit Revision	
Permit Supplement	

Project Information:	<input checked="" type="checkbox"/>
Commercial:	
Residential:	<input checked="" type="checkbox"/>
Linear Feet:	<input checked="" type="checkbox"/>
Square Feet: <u>300</u>	<input checked="" type="checkbox"/>
Value of Work: <u>\$8,000</u>	<input checked="" type="checkbox"/>

DESCRIPTION OF WORK (PRINT):
Re roof tile to tile
ALHAMBRA HAND MADE CLAY
GAP AND PAN

APPROVED CLM 9 SEP 13

PROPERTY LOCATION:
 Address: 1461 Mendocino Ave
 Folio #: _____
 Lot: _____ Block: _____
 Subdivision: _____
 Plat book: _____ Page: _____

PROPERTY OWNER: Robert Cruz
 Name: _____
 Address: 1461 Mendocino Ave
 City/State/Zip: Coral Gables FL 33134
 Telephone No.: 305 632-6412

CONTRACTOR: City Roofing
 Address: 22700 SW 172 st
 City/State/Zip: Miami FL 33170
 License No.: CC 1327381 Telephone No.: 305 248-2994

ARCHITECT:
 Name: _____
 Address: _____
 City/State/Zip: _____ Tel.: _____

ENGINEER:
 Name: _____
 Address: _____
 City/State/Zip: _____ Tel.: _____

BONDING:
 Name: _____
 Address: _____
 Telephone No.: _____

MORTGAGE LENDER:
 Name: _____
 Address: _____
 Telephone No.: _____

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating the construction in the City of Coral Gables. I understand that a separate permit must be secured for ELECTRICAL, PLUMBING, SIGNS, WELLS, POOLS, BOILERS, TANKS, AIR CONDITIONERS, ROOFING, AWNINGS, ETC. The Historical Resources Department's approval is required prior to the issuance of a demolition permit.
WARNING TO OWNER: Failure to record a notice of commencement may result in you paying twice for improvements to your property. If you intend to obtain financing, consult with your lender or an attorney before recording your notice of commencement.
OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

Signature of Owner [Signature]

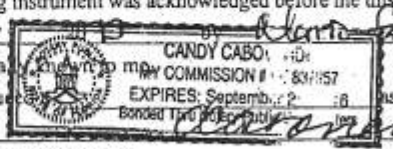
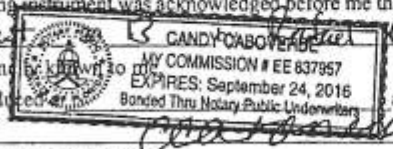
Signature of Qualifier [Signature]

The foregoing instrument was acknowledged before me this 24th day of August 2013.
 I am personally acquainted with the person whose name is written above and who is identified as _____ as identification,
 and he/she has produced to me _____ as identification.

 NOTARY PUBLIC (SEAL)

The foregoing instrument was acknowledged before me this 24th day of August 2013.
 I am personally acquainted with the person whose name is written above and who is identified as _____ as identification,
 and he/she has produced to me _____ as identification.

 NOTARY PUBLIC (SEAL)



Section A (General Information)

Master Permit No. _____ Process No. _____
 Contractor's Name City Roofing
 Job Address 1461 Mendota Ave

ROOF CATEGORY

- Low Slope
 Asphaltic Shingles
 Mechanically Fastened Tile
 Metal Panel/Shingles
 Mortar/Adhesive Set Tile
 Wood Shingles/Shakes
 Prescriptive BUR-RAS 150

Are there Gas Vent Stacks?
 Yes No
 Type: Natural LPG

ROOF TYPE

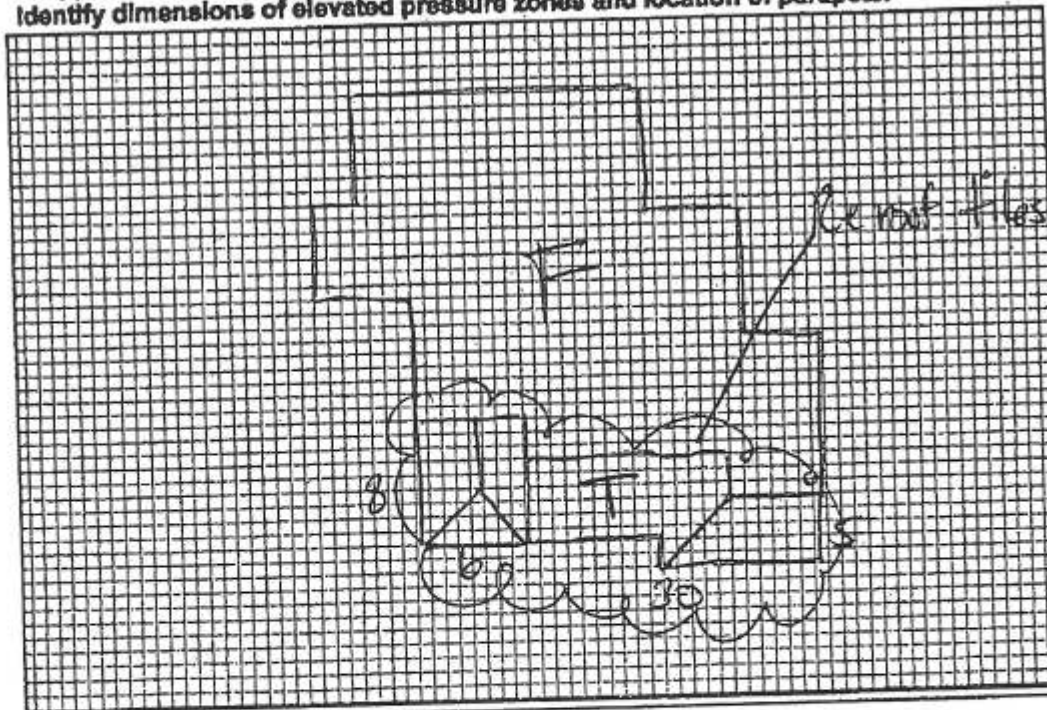
- New Roof
 Re-Roofing
 Recovering
 Repair
 Maintenance

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF)	Steep Sloped Roof Area (SF)	Total (SF)
_____	<u>300</u>	<u>300</u>

Section B (Roof Plan)

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.



Florida Building Code Edition 2010
High Velocity Hurricane Zone Uniform Permit Application Form

Section D (Steep Sloped Roof System)

Roof System Manufacturer:	IMEXINSA
Product Approval Number:	FL 16057
Minimum Design Wind Pressures, If Applicable (From RAS 127 or Calculations):	P1: 45.1 P2: 78.6 P3: 116.2
Maximum Design Pressure Product Approval Specific System:	113.01
Method of Tile Attachment:	POLY PRO AA 160

Steep Sloped System Description

Deck Type:	WOOD
Type Underlayment:	#30
Insulation:	N/A
Fire Barrier:	N/A
Fastener Type & Spacing:	1.25" @ 5/8" TC
Adhesive Type:	N/A
Type Cap Sheet:	TARCO PS 200
Roof Covering:	ALAHAMORA BR220L
Type & Size Drips Edge:	3x3 26GA ALVALUM
Roof Slope:	3 : 12
Ridge Ventilation?	N/A
Mean Roof Height:	12'



Florida Department of
Business & Professional
Regulation

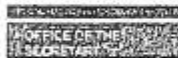
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Product Approval
USER: Public User

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FL #	FL16057						
Application Type	New						
Code Version	2010						
Application Status	Approved						
Comments							
Archived	<input type="checkbox"/>						
Product Manufacturer	Zion Tiles Corp.						
Address/Phone/Email	12002 Southwest 128th Court #103 Miami, FL 33186 (305) 252-9077 jgconsultants@charter.net						
Authorized Signature	Marlo Garcia jgconsultants@charter.net						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative							
Address/Phone/Email							
Category	Roofing						
Subcategory	Roofing Tiles						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Jesus Gonzalez						
Florida License	PE-68553						
Quality Assurance Entity	Keystone Certifications, Inc.						
Quality Assurance Contract Expiration Date	12/31/2014						
Validated By	Pedro Figueiredo <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received						
Certificate of Independence	FL16057_R0_COI_12132012_Alhambra_COI.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td><u>Standard</u></td> <td><u>Year</u></td> </tr> <tr> <td>ASTM C1167</td> <td>2003</td> </tr> <tr> <td>TAS 101</td> <td>1995</td> </tr> </table>	<u>Standard</u>	<u>Year</u>	ASTM C1167	2003	TAS 101	1995
<u>Standard</u>	<u>Year</u>						
ASTM C1167	2003						
TAS 101	1995						
Equivalence of Product Standards Certified By							
Sections from the Code							

Product Approval Method Method 1 Option D

Date Submitted 10/31/2012

Date Validated 02/15/2013

Date Pending FBC Approval 12/21/2012

Date Approved 02/19/2013

Summary of Products		
FL #	Model, Number or Name	Description
16057.1	ALHAMBRA ROOF TILE	ALHAMBRA HANDMADE CLAY TILE
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See limitations and guidelines for installation listed in the product evaluation report. Tiles shall pass a quarterly test performed by a State of Florida approved Laboratory in accordance with TAS 112, appendix 'A'. Results of the test shall be submitted to Keystone Certification, Inc. for review.		Installation Instructions FL16057 RO II Alhambra PER R1.pdf Verified By: Jesus Gonzalez 68553 Created by Independent Third Party: Yes Evaluation Reports FL16057 RO AE Alhambra PER R1.pdf FL16057 RO AE TAS 112 Report.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



Quarterly Report

February 8, 2013

Manufacturer: Imexinsa, Nicaragua.

Zion Tile Corporation.
 12002 S.W. 128th Court, Suite 103
 Miami, FL 33186

Product: FL # 16057
 Alhambra Handmade Clay Tile
 Made in Nicaragua

Referenced Quarter

<input type="checkbox"/>	1 st Quarter (Oct-Dec)
<input checked="" type="checkbox"/>	2 nd Quarter (Jan-Mar)
<input type="checkbox"/>	3 rd Quarter (Apr-Jun)
<input type="checkbox"/>	4 th Quarter (Jul-Sep)
Test Date(s): 02/08/13 - 02/08/13	
Technician: Angel Alvarez	

Specimen #		1	2	3	4	5	Average	Specified
Length (in.)		17.29	17.34	17.30	17.50	17.16	17.32	+/- 5% of 17.5"
Width (in.)	Head End	7.499	7.647	7.572	7.665	7.494	7.58	+/- 5% of 7.5"
	Butt End	8.271	8.31	8.31	8.293	8.314	8.30	+/- 5% of 8.5"
Thickness (in.)		0.92	0.89	0.93	0.91	0.91	0.91	+/- 5% of .9"
Dry Wt. (lb.)		7.60	7.56	8.02	7.52	7.30	7.60	+/- 10% of 7.5 lbs
Transverse Strength (lbs.)		500	493	445	388	377	441	>400-Average of 5
Tested Dry - after 24 hr at 160°F								>350-Individual
Water Absorption (lb/ft)		13.00	13.50	14.15			13.55	<18-Average of 3
Permeability (pass or fail)		Pass	Pass	Pass			Pass	water droplets

Test Results: The tiles submitted meet the Florida Building Code (TAS-112-95) & A.S.T.M. C 67 physical tests for: dimensional, transverse breaking strength, water absorption and permeability.

To the best of my knowledge, belief and professional opinion, the above data represent the actual conditions as reported herein.

Sincerely,


 Alberto Cardona
 P.E. Lic. # 17138

Office (305) 256-4550
 Fax (866) 333-6988

Quarterly Report

May 8, 2013

Manufacturer: Imexinsa, Nicaragua.
 Zion Tile Corporation.
 12002 S.W. 128th Court, Suite 103
 Miami, FL 33186

Referenced Quarter

<input type="checkbox"/>	1 st Quarter (Oct-Dec)
<input type="checkbox"/>	2 nd Quarter (Jan-Mar)
<input checked="" type="checkbox"/>	3 rd Quarter (Apr-Jun)
<input type="checkbox"/>	4 th Quarter (Jul-Sep)
Test Date(s):	
04/15/13 - 04/19/13	
Technician: Ricardo Peralta	


Product: FL#: 16057
 Alhambra Handmade Clay Tile
 Made in Nicaragua

Physical properties in strict accordance with ASTM C-1167

Specimen #	1	2	3	4	5	Average	Specified	
Length (in.)	19.14	19.14	19.14	19.14	19.14	19.14	19 to 20.5 19 average of 5	
Width (in.)	Head End	8.3	8.4	8.3	8.4	8.4	8.36	8.1 to 8.5
	Butt End	6.18	6.17	6.20	6.2	6.2	6.19	6.1 to 6.2
Height (in.)	2.4	2.4	2.30	2.5	2.4	2.40	N/A	
Thickness (in.)	0.54	0.53	0.54	0.54	0.55	0.54	N/A	
Dry Wt. (lbf.)	5.50	5.60	5.50	5.70	5.60	5.58	5.5 to 6.5 ind. 6.0 average of 5	
Transverse Strength (lbs.)	675	655	728	591	728	675	>350-Individual >400-Average of 5	
Tested Dry - after 24 hr at 160°F								
Water Absorption (%)	9.09	11.11	9.09	10.71	10.53	10.11	≤13 Individual tile ≤11 average of 5 tiles	
24 Hr. submersion								
Absorption (%) 5 hr. boil							N/A	
Saturation Coefficient	0.75	0.74	0.75	0.77	0.78	0.76	≤.82 Individual tile ≤.80 average of 5 tiles	
Efflorescence							N/A	
Reactive Particles							None	
Permeability (pass or fail)	Pass	Pass	Pass			Pass	Pass	

To the best of my knowledge, belief and professional opinion, the above data represent the actual conditions as reported herein. Florida Tec, Inc. has no part or financial interest in in any part of the material tested herein.

Sincerely,


 Alberto Cardona
 P.E. Lic. # 17138
 5/4/13

Quarterly Test Report

August 19, 2013

Manufacturer: IMEXINSA
La Paz Centro, Nicaragua

Distributor: Zion Tile Corporation
12002 S.W. 128th Court Suite 103
Miami, FL 33186

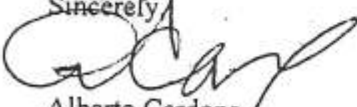
Product: FL 16057
Alhambra Handmade Clay Roof Tile
Made in Nicaragua Profile: Barrel

Referenced Quarter

<input type="checkbox"/>	1 st Quarter (Oct-Dec)
<input type="checkbox"/>	2 nd Quarter (Jan-Mar)
<input type="checkbox"/>	3 rd Quarter (Apr-Jun)
<input checked="" type="checkbox"/>	4 th Quarter (Jul-Sep)
Test Date(s): 08/13/13-08-18/13	
Technician: Angel Alvarez	

Specimen #		1	2	3	4	5	Average	Specified
Length (in.)		18.00	17.72	17.15	17.66	17.25	17.56	+/- 5% of 17.5" (16.63-18.38)
Width (in.)	Butt End	8	7.8	7.7	7.7	7.7	7.78	+/- 5% of 8.5" (8.1-8.9)
	Head End	6.3	6.2	6.20	6.2	6	6.18	+/- 5% of 7.5" (7.1-7.9)
Height (in.)		3	2.75	2.75	2.75	2.75	2.80	N/A
Thickness (in.)		0.80	0.80	0.77	0.77	0.80	0.79	+/- 5% of .9" (.86-.95)
Dry Wt. (lbf.)		6.60	6.4	6.4	6.50	6.50	6.48	+/- 10% of 7.5 lbs (6.75-7.88)
Transverse Strength (lbs.)		501.4	450	384	429	600	473	>400-Average of 5 >350-Individual
Tested Dry - after 24 hr at 160°F								
Water Absorption (%)		2.27	2.34	3.12	2.31	2.31	2.47	≤13 Individual tile ≤11 average of 5 tiles
24 Hr. submersion								
Absorption (%) 5 hr. boil		2.90	2.99	3.70	2.94	3.65	3.24	N/A
Saturation Coefficient		0.78	0.79	0.84	0.78	0.63	0.77	≤.82 Individual tile ≤.80 average of 5 tiles
Efflorescence								N/A
Reactive Particles								None
Permeability (pass or fail)		Pass	Pass	Pass	Pass	Pass	Pass	Pass

The physical properties test has been performed in strict accordance with ASTM C-1167. The tiles tested meet the Florida Building Code (TAS-112-95) & ASTM C-1167 requirements provided in the test standard with the exception of tile dimensions and weight not being within allowable tolerances. To the best of my knowledge, belief and professional opinion, the above data represents the actual conditions as reported herein.

Sincerely,

 Alberto Cardona
 P.E. Lic. # 17138
 Office (305) 256-4550
 Fax (866) 333-6988
 8-19-13

Jesus Gonzalez, P.E, LEED AP
7364 Sedgebrook Dr.
Stanley, NC 28164

PRODUCT EVALUATION REPORT
Florida Building Code 2010

Per Rule 9B-72.070 – Method 1-D Evaluation Report from a Professional Engineer
REF: FL # 16057

CATEGORY: Roofing
SUB-CATEGORY: Roofing Tiles
PRODUCT NAME: Alhambra Handmade Clay Roof Tile
MATERIAL: CLAY
SUPPORT TYPE: Wood Deck

DATE: December 14, 2012

MANUFACTURER: IMEXINSA
La Paz Centro, Nicaragua
and distributed by:
Zion Tile Corp.
12002 Southwest 128th Court #103
Miami, FL 33186

PREPARED BY: Florida Professional Engineer
Jesus Gonzalez – PE 68553
7364 Sedgebrook Dr.
Stanley, NC 28164

General:

Statement of Compliance:

This product as described herein has demonstrated compliance with the Florida Building Code 2010, including the High Velocity Hurricane Zone of the Florida Building Code.

This engineering validation report is being issued per Rule Chapter No. 9B-72 to support the application to a Florida Product Approval using option under section 9B-72.070 (1) (D) of the Department of Community Affairs – Florida Building Commission.

Scope:

This roofing system using the “Alhambra Roof Tile” shall be used for locations where the pressure requirements, as determined by applicable Building Code do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed


02
05 15 15

Labeling

All tiles shall bear an imprint per FBC 2010 Section 1715.8.1.

**ZION TILE CORP.
MADE IN NICARAGUA**

End of Evaluation Report.


Handwritten signature
PE-23553
Feb 15, 2013



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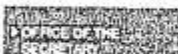
Business Professional



Product Approval
USER: Public User

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Product Approval Menu > Product Approval Search > Application List > Application Detail



FL #	FL16057						
Application Type	New						
Code Version	2010						
Application Status	Approved						
Comments							
Archived							
Product Manufacturer	Zion Tiles Corp.						
Address/Phone/Email	12002 Southwest 128th Court # 103 Miami, FL 33186 (305) 252-9077 jgconsultants@charter.net						
Authorized Signature	Mario Garcia jgconsultants@charter.net						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative							
Address/Phone/Email							
Category	Roofing						
Subcategory	Roofing Tiles						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Jesus Gonzalez						
Florida License	PE-68553						
Quality Assurance Entity	Keystone Certifications, Inc.						
Quality Assurance Contract Expiration Date	12/31/2014						
Validated By	Pedro Figueiredo Validation Checklist - Hardcopy Received						
Certificate of Independence	FL16057_R0_COI_12132012_Alhambra_COI.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td>Standard</td> <td>Year</td> </tr> <tr> <td>ASTM C1167</td> <td>2003</td> </tr> <tr> <td>TAS 101</td> <td>1995</td> </tr> </table>	Standard	Year	ASTM C1167	2003	TAS 101	1995
Standard	Year						
ASTM C1167	2003						
TAS 101	1995						
Equivalence of Product Standards Certified By							
Sections from the Code							

Product Approval Method

Method 1 Option D

Date Submitted

10/31/2012

Date Validated

02/15/2013

Date Pending FBC Approval

12/21/2012

Date Approved

02/19/2013

Summary of Products

FL #	Model, Number or Name	Description
16057.1	ALHAMBRA ROOF TILE	ALHAMBRA HANDMADE CLAY TILE
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See limitations and guidelines for installation listed in the product evaluation report. Tiles shall pass a quarterly test performed by a State of Florida approved Laboratory in accordance with TAS 112, appendix 'A'. Results of the test shall be submitted to Keystone Certification, Inc. for review.		Installation Instructions FL16057_RO_IL_Alhambra_PER_R1.pdf Verified By: Jesus Gonzalez 68553 Created by Independent Third Party: Yes Evaluation Reports FL16057_RO_AE_Alhambra_PER_R1.pdf FL16057_RO_AE_TAS_112_Report.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:

