



# City of Belle Isle Job Site Card **Building PERMIT 2019-08-020**

**PERMIT MUST BE POSTED ON SITE** - A permit expires in 6 months if approved inspections are not recorded / schedule within that time frame. **You are responsible for scheduling and keeping track of all your inspections.**

**Permit Number:** 2019- 08-020

**Issue Date:** 08/19/2019

**Site Address:** 3007 Cullen Lake Shore Dr 32812

**Parcel #:** 18-23-30-4386-03-680

**Class:**  Residential **OVERSIZED PLANS**

**Description of Work:** REAR PORCH ADDITION 32'7" X 14'. TWO SMALL FOOTER TO HOLD 2 COLUMN SUPPORTS - THEN WILL CONSTRUCT UPON EXISTING PAVERS - NO CHANGE TO SR FOOT PRINT.

Issued: **BIG DAY CONSTRUCTION, INC.**

Business Phone: 407 952-4458

Name: **BARNES, KYLE KEVIN**

Contractor License: CBC1259742

Payment Date & Method: 8/29/2019  Picked up or sent by in person  Emailed

Visa  Master Card  Amex  Discover  Check / Money Order # 1183

Schedule Inspections via Email at: [BDscheduling@universalengineering.com](mailto:BDscheduling@universalengineering.com)

**SCHEDULE INSPECTIONS BY 3:00PM CUT OFF TIME**

Inspection Results Will Be Sent Out the Following Business Day

**SEPARATE PERMITS WILL BE REQUIRED FOR ALL SUB-WORK**

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR 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."

## BUILDING INSPECTOR DATE COMMENTS

BUILDING	INSPECTOR	DATE	COMMENTS
100 Demo Final			
110 Footing			
120 Stem Wall			
125 Concrete Encased Electrode			
130 Slab			
135 Termite Barrier (Bug)			
140 Lintel/Tie Beam			
150 Down Pour			
160 Tilt Panel			
170 Window In-progress			
180 Sheathing (wall)			
190 Sheathing (roof)			
195 Dry-in (roof/walls)			
200 Framing			
205 Drywall Nail/Screw			
210 Fire Rated Assembly			
220 Above-Ceiling			
230 Insulation			
235 Insulation Final			
240 Lathe			
245 Concrete Sidewalk			
250 Final			
260 Other			

Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto:BDscheduling@UniversalEngineering.com); a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 3pm.** Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot



RECEIVED *W Person*  
 AUG - 6

## Building Permit (Land Use) Application

DATE: 8/6/19 PERMIT # 2019-08-020

PROJECT ADDRESS 3007 Cullen Lake Shore Drive, Belle Isle, FL 32809 ✓ 32812

PROPERTY OWNER Allan Shields PHONE 407-952-4458 VALUE OF WORK (labor & material) \$ 25,000.00

**PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS**

Rear porch Addition 32'7" x 14". Two small footers to hold 2 column supports - then will construct upon existing pavers -

Please provide information, if applicable.

- SINGLE FAMILY RESIDENCE:** 8.5"x11" Plat Survey, Plot Plan of Home and Floor Plans of New Construction/Revision Required
- BOAT DOCK:** DEP Clearance Required with Application (Call 407-897-4100); please provide a copy of their report
- SEPTIC SYSTEM (RESIDENTIAL):** - Provide verification of OC Health Dept approval for on-site septic tank system, per FAC Chap. 64E-6
- Homeowners will be required to have a contractor on record for homes that are rented and/or not homestead

Please Complete for the City of Belle Isle Zoning Review: Parcel Id Number: 18-23-30-4386-03-680

To obtain this information, please visit <http://www.ocpafi.org/Searches/ParcelSearch.aspx>

**SPECIAL CONDITIONS: STRUCTURES MAY NOT ENCRoACH INTO ANY EASEMENT OR REQUIRED SETBACK.** Survey specific foundation plan required to show compliance with zoning setbacks. Note: this Zoning Approval MAY or MAY NOT be in conflict with your Deed Restrictions. For New Single Family Residence, a Traffic Impact Fee and School Impact will be assessed.

Wind Exposure Category: B  C  D

PLANNING & ZONING APPROVAL: 8/13/19 DATE By: [Signature]

**APPROVED**  
 City of Belle Isle

PLEASE COMPLETE for Building Review (min. of 2 sets of signed/sealed plans required)  
 CONSTRUCTION TYPE \_\_\_\_\_  
 OCCUPANCY GROUP \_\_\_\_\_ Comm Res: \_\_\_\_\_ Single Fam Multi Fam  
 #BLDG. \_\_\_\_\_ #UNITS \_\_\_\_\_ #STORIES \_\_\_\_\_ TOTAL SQ.FT. 456  
 MAX. FLOOR LOAD \_\_\_\_\_ MAX. OCCUPANCY \_\_\_\_\_  
 MIN. FLOOD ELEV. \_\_\_\_\_ LOW FLOOR ELEV. \_\_\_\_\_  
 WATER SERVICE NOC WELL \_\_\_\_\_ SEPTIC \_\_\_\_\_

SPRINKLERS REQ'D	Y	N	
If Required - SUBMIT COPY OF PLANS FOR FIRE REVIEW			RCD _____
ZONING	<input checked="" type="radio"/>	<input type="radio"/>	\$ <u>165</u>
CERT OF OCC	<input type="radio"/>	<input type="radio"/>	\$ _____
TRAFFIC	<input type="radio"/>	<input type="radio"/>	\$ _____
SCHOOL	<input type="radio"/>	<input type="radio"/>	\$ _____
FIRE	<input type="radio"/>	<input type="radio"/>	\$ _____
SWIMMING POOL	<input type="radio"/>	<input type="radio"/>	\$ _____
SCREEN ENCLOSURE	<input type="radio"/>	<input type="radio"/>	\$ _____
ROOFING	<input type="radio"/>	<input type="radio"/>	\$ _____
BOAT DOCK	<input type="radio"/>	<input type="radio"/>	\$ _____
BUILDING	<input checked="" type="radio"/>	<input type="radio"/>	\$ <u>151.52</u>
WINDOW(S)	<input type="radio"/>	<input type="radio"/>	\$ _____
DOOR(S)	<input type="radio"/>	<input type="radio"/>	\$ _____
FENCE	<input type="radio"/>	<input type="radio"/>	\$ _____
SHED	<input type="radio"/>	<input type="radio"/>	\$ _____
DRIVEWAY	<input type="radio"/>	<input type="radio"/>	\$ _____
OTHER	<input type="radio"/>	<input type="radio"/>	\$ _____

BUILDING REVIEWER Fajermanshel DATE 8/28/19

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE new DATE 8-6-19  
PAID 8-29-19 VISA 1183

Per FSS 105.3.3:  
 An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies."

Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

**SEPARATE PERMITS ARE REQUIRED FOR ROOFING, ELECTRICAL, PLUMBING, GAS, MECHANICAL, SIGNS, POOLS, ENCLOSURES, ETC.**

1% BCAIB FEE 2 min  
 1.5% DCA FEE 2.72  
 TOTAL 351.22

**OTHER PERMITS REQUIRED:**

	Y	NA
ELECTRICAL	<input type="radio"/>	<input type="radio"/>
PREPOWER	<input type="radio"/>	<input type="radio"/>
MECHANICAL	<input type="radio"/>	<input type="radio"/>
PLUMBING	<input type="radio"/>	<input type="radio"/>
ROOFING	<input type="radio"/>	<input type="radio"/>
GAS	<input type="radio"/>	<input type="radio"/>

154127

1511K  
4x24  
25  
96  
121  
60.50  
181.50



City of Belle Isle  
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

Kevin

**Building Permit (Land Use) Application**

To be completed as required by State Statute Section 713 and other applicable sections.

**PERMIT #** 2019-08-020

Owner's Name Allan Shields

Owner's Address 3007 Cullen Lake Shore Dr. Belle Isle, Fl. 32812

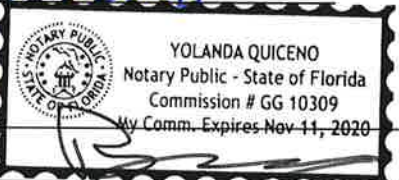
Contractor Name <u>Kyle Barnes</u>	Company Name <u>Big Day Construction Inc.</u>
License # <u>CBC 1259742</u>	Company Address <u>2701 Rector St.</u>
Contact Phone/Cell <u>407-952-4458</u>	City, State, ZIP <u>Orlando, Fl. 32806</u>
Contact Email <u>bigdayconstruction@yahoo.com</u>	Contact Fax _____

**WARNING TO OWNER:** Your failure to record a Notice of Commencement may result in your paying twice for improvements to your property. A notice of commencement must be recorded if job is \$2500(+) or if A/C Replacement \$7500(+) and posted on the job site before the first inspection. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Division of Building Safety Regulations ([www.floridabuilding.org](http://www.floridabuilding.org)) and City Ordinances ([www.municode.com](http://www.municode.com)) regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable City and/or State of Florida codes and/or ordinances. Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for all other construction including ROOFING, ELECTRICAL, MECHANICAL, PLUMBING, GAS, SIGNS, POOLS, SCREEN ENCLOSURES, ETC.

**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.

**Owner Signature** [Signature]  
 The foregoing instrument was acknowledged before me this 8/5/2019  
 by Allan James Shields who is personally known to me  
 and who produced Florida Drivers ID.  
 as identification and who did not take an oath.  
 Notary as to Owner \_\_\_\_\_  
 State of Florida \_\_\_\_\_  
 County of Orange \_\_\_\_\_



**Contractor Signature** [Signature]  
 COMPANY NAME Big Day Coast Inc.  
 The foregoing instrument was acknowledged before me this 08/05/2019  
 by Kevin Barnes who is personally known to me  
 and who produced FL Drivers License  
 as identification and who did not take an oath.  
 Notary as to Owner \_\_\_\_\_  
 State of Florida \_\_\_\_\_  
 County of Orange \_\_\_\_\_



**Impervious Surface Ratio Worksheet**  
 Development Zoned A-1, A-2, R-1-AAA, R-1-AA, R-1-A, R-1 per City Code, Section 50-74: Impervious Surface Ratio

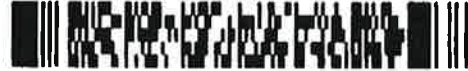
- Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).  
 Total Lot Area \_\_\_\_\_ X 0.35 = \_\_\_\_\_  
 Allowable Impervious Area (BASE) \_\_\_\_\_
- Calculate the "proposed" impervious area on the lot. This includes the sum of all areas that do not allow direct percolation of rainwater. Examples include house, pool, deck, driveway, accessory building, etc.
  - House \_\_\_\_\_
  - Driveway \_\_\_\_\_
  - Walkway \_\_\_\_\_
  - Accessory Buildings \_\_\_\_\_
  - Pool & Spa \_\_\_\_\_
  - Deck & Patio \_\_\_\_\_
  - Other \_\_\_\_\_

Actual Impervious Area (AIA) \_\_\_\_\_

- If AIA is less than BASE, subtract AIA from BASE to determine the amount of impervious area that may be added without providing onsite retention.
- If AIA is greater than BASE, then onsite retention **must be provided**.

Assuming 7.5 inches of rainfall based on a 24hr 10 year Rain Event (TP40), the formula is: (7.5 inches rainfall/12 inches p/foot) X (result from line 4) = cubic feet of storage volume needed

Permit Number: \_\_\_\_\_  
Folio/Parcel Identification Number: \_\_\_\_\_  
Prepared by: \_\_\_\_\_  
\_\_\_\_\_  
Return to: \_\_\_\_\_  
\_\_\_\_\_



**NOTICE OF COMMENCEMENT**

State of Florida, County of Orange

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

- Description of property** (legal description of the property, and street address if available)  
Lot 368 LK. Conway Estates Section Seven Plat Bk 2 pg 38
- General description of improvement** 3007 Cullen Lake Shore Dr. Belle Isle, Fl. 32812  
Rear porch Addition
- Owner information or Lessee information if the Lessee contracted for the improvement**  
Name Allan Shields  
Address 3007 Cullen Lake Shore Dr. Belle Isle, Fl.  
Interest in Property \_\_\_\_\_  
Name and address of fee simple titleholder (if different from Owner listed above)  
Name NA  
Address \_\_\_\_\_
- Contractor**  
Name Kyle Barnes / Big Day Const. Inc. Telephone Number 407-952-4458  
Address 2701 Earford Ct. Orl. Fl. 32806
- Surety** (if applicable, a copy of the payment bond is attached)  
Name NA Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_ Amount of Bond \$ \_\_\_\_\_
- Lender**  
Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
- Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**  
Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
- In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**  
Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
- Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified) \_\_\_\_\_

**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

**Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated in it are true to the best of my knowledge and belief.**

Allan J. Shields  
Signature of Owner of Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager \_\_\_\_\_ Signatory's Title/Office \_\_\_\_\_

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of August by 2019 James Allan Shields  
as homeowner for \_\_\_\_\_  
Type of authority, e.g., officer, trustee, attorney in fact \_\_\_\_\_ Name of party on behalf of whom instrument was executed \_\_\_\_\_

Phil Diamond  
Signature of Notary Public - State of Florida \_\_\_\_\_ Print, type, or stamp of Notary Public - State of Florida \_\_\_\_\_  
My Comm. Expires Nov 7 2020

Personally Known \_\_\_\_\_ OR Produced ID  \_\_\_\_\_  
Type of ID Produced Florida's Identification Form Revised September 26, 2011

State of FLORIDA, County of ORANGE  
I hereby certify that this is a true copy of the document as reflected in the Official Records  
PHIL DIAMOND, COUNTY COMPTROLLER  
BY: [Signature] D.C.  
DATED: 8/6/19



# SWERDLOFF & FERRY SURVEYING, INC.

370 Waymont Court • Lake Mary, FL 32746 • Voice 407.688.7631 • Fax 407.686.7691 • sandpsurveying@gmail.com

Lot 368, LAKE CONWAY ESTATES SECTION SEVEN, according to the plat thereof, as recorded in Plat Book Z, Page(s) 38, of the Public Records of Orange County, FL.

Community number: 120181 Panel: 043U  
 Suffix: F.F.I.R.M. Date: 9/25/2009 Flood Zone: X & AE  
 Date of field work: 7/16/2008 Completion Date: 7/18/2008

Certified to:  
 Allan J. Shields; Heather B. Shields; Dominion Title Company;  
 Chicago Title Insurance Company; The Mortgage Firm, Inc., its  
 successors and/or assigns.

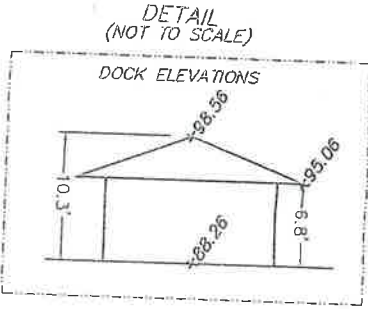
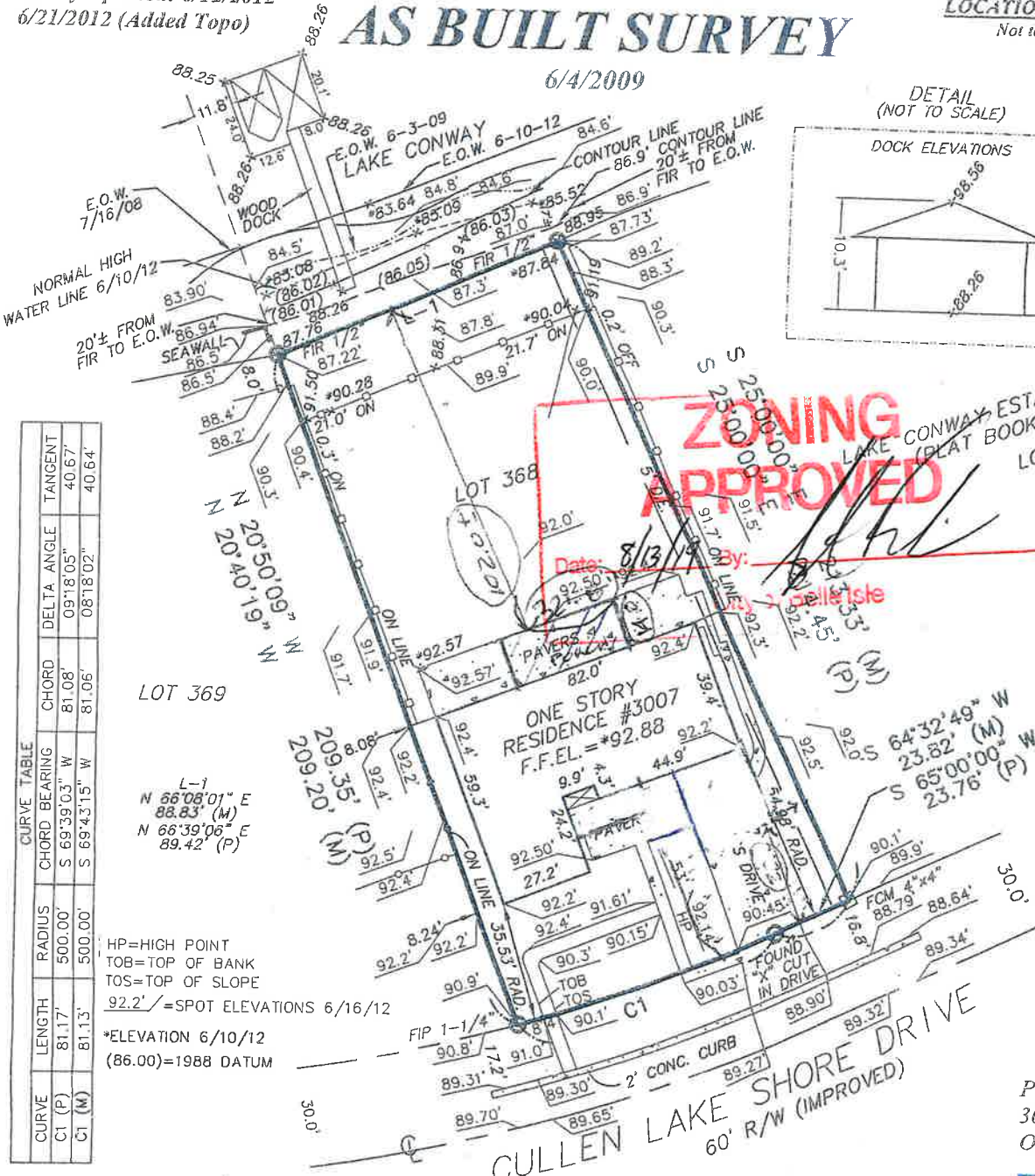
Survey Updated: 6/12/2012  
 6/21/2012 (Added Topo)



LOCATION SKETCH  
 Not to Scale

## AS BUILT SURVEY

6/4/2009



TOP OF ROOF 98.56  
 EAVE OF ROOF 95.06  
 DOCK FLOOR 88.26

CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD	DELTA ANGLE	TANGENT
C1 (P)	81.17'	500.00'	S 69°39'03" W	81.08'	09°18'05"	40.67'
C1 (M)	81.13'	500.00'	S 69°43'15" W	81.05'	08°18'02"	40.64'

HP=HIGH POINT  
 TOB=TOP OF BANK  
 TOS=TOP OF SLOPE  
 92.2' = SPOT ELEVATIONS 6/16/12  
 \*ELEVATION 6/10/12  
 (86.00)=1988 DATUM

**ZONING APPROVED**  
 LAKE CONWAY ESTATES SECTION 7  
 (PLAT BOOK Y, PAGE 19)  
 LOT 157  
 Date: 8/13/12  
 By: [Signature]

SCALE: 1"=50'

\*86.09=ELEVATION 6/10/12  
 (86.00)=1988 DATUM

PERVIOUS AREA:  
 13,912.30 SQUARE FEET  
 0.319 ACRES

IMPERVIOUS AREA:  
 6,906.60 SQUARE FEET  
 0.159 ACRES

Property Address:  
 3007 Cullen Lake Shore Drive  
 Orlando, FL 32812

Survey number: SL 98519

### LEGEND

- Wood Fence
- Wire Fence
- Chain Link Fence
- Found Nail
- Concrete
- Field Measured
- Clear
- Encroachment
- Centerline
- Concrete
- Property Line
- Concrete Monument
- Found Iron Rod
- Found Iron Pipe
- Right of Way
- Nail & Disk
- Drainage Easement
- Utility Easement
- Found
- Plat
- Overhead Utilities
- Power Pole
- Transformer
- Cable Riser
- Chord Bearing
- Found Cross Cut
- Field

- W.M. Water Meter
- TEL Telephone Facilities
- COVERED Area
- B.R. Bearing Reference
- CH Chord
- RAD Radial
- A/C Air Conditioning
- B.M. Bench Mark
- C Calculated
- ZZZZ Block Wall
- CA Central Angle/Delta
- D.B. Deed Book
- D. Description or Deed
- D.H. Drill Hole
- D/W Driveway
- ESM1 Easement
- EL Elevation
- F.F. Finished Floor
- F.C.M. Found Concrete Monument
- FRK Found Parker-Kalon Nail
- L. Length
- L.B. Licensed Business
- L.A.E. Limited Access Easement
- Line Break Not to Scale
- M.H. Manhole
- O.H.L. Overhead Lines
- T.S. Not to Scale

- O.R. Official Records
- O.F.B. Official Records Book
- P.C.P. Permanent Control Point
- P.R.M. Permanent Reference Monument
- P.G. Page
- P.V.M.T. Pavement
- E.O.P. Edge of Pavement
- P.B. Plat Book
- P.O.B. Point of Beginning
- P.O.C. Point of Commencement
- P.O.L. Point on Line
- P.C. Point of Curvature
- P.R.C. Point of Reverse Curvature
- P.T. Point of Tangency
- R. Radius (Radial)
- R.O.E. Roof Overhang Easement
- S.I.R. Set Iron Rod & Cap
- S.W. Sidewalk
- T.O.B. Top of Bank
- T.Y.P. Typical
- W.C. Witness Corner
- 10.05 Existing Elevation
- E.O.W. Edge of Water
- P.C.C. Point of Compound Curve
- PI Point of Intersection
- T.B.M. Temporary Bench Mark

### GENERAL NOTES

1. Legal description provided by others.
2. The lands shown hereon were not abstracted for easements or other recorded encumbrances not shown on the plat.
3. Underground portions of footings, foundations or other improvements were not located.
4. Wall ties are to the face of the wall.
5. Only visible encroachments located.
6. No identification found on property corners unless noted.
7. Adjoining lots are within the same block, unless otherwise noted.
8. This is a BOUNDARY SURVEY unless otherwise noted.
9. Not valid unless sealed with the signing surveyor's embossed seal.
10. FLOOD ZONE DETERMINATIONS ARE PROVIDED AS A COURTESY.
11. Septic tank and/or drainfield locations are approximate and MUST be verified by appropriate utility locator companies.
12. Bearing levels shown per plat unless otherwise noted.
13. Survey is to refer to only unless signed and sealed by a Registered Land Surveyor.
14. All lines are not shown unless otherwise noted.
15. Accuracies to be used as indicated on update.

LB, 7132



Main Office: 407-880-4551  
 Fax: 407-377-5839  
 office@kmtruss.com

# Uplifts Reactions

Job #: 190364

2

Order Date 6/14/2019

### Customer Information:

Name: **Big Day Construction** | Contact: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip  
**ORLANDO, FL 32806**

Salesman: CHRIS VOSE  
 Designer: Keith Czermernys

Notes:

### Project Information:

Name: **SHIELDS REAR PORCH**  
 Address: **3007 CULLEN LAKE SHORE DRI** | Region: **ORANGE COUN**  
 City, State, Zip  
**ORLANDO, FL**

Loading:	TC	BC
LL	20	0
DL	7	10

C-Cust Notes:

## WoodTruss

Qty	Span	Description	Truss	Bearing1 Reaction/Uplift	Bearing2 Reaction/Uplift	Bearing3 Reaction/Uplift	Bearing4 Reaction/Uplift	Height
<input type="checkbox"/> 6	32-06-00	A1 4/12 147.0 lbs. eac		00-03-08 BC100 1301 / 337	00-03-08 BC100 1301 / 337			05-08-15
<input type="checkbox"/> 1	32-06-00	A2 4/12 164.9 lbs. eac		00-03-08 BC100 199 / 55	32-02-08 BC100 2394 / 639			05-08-15

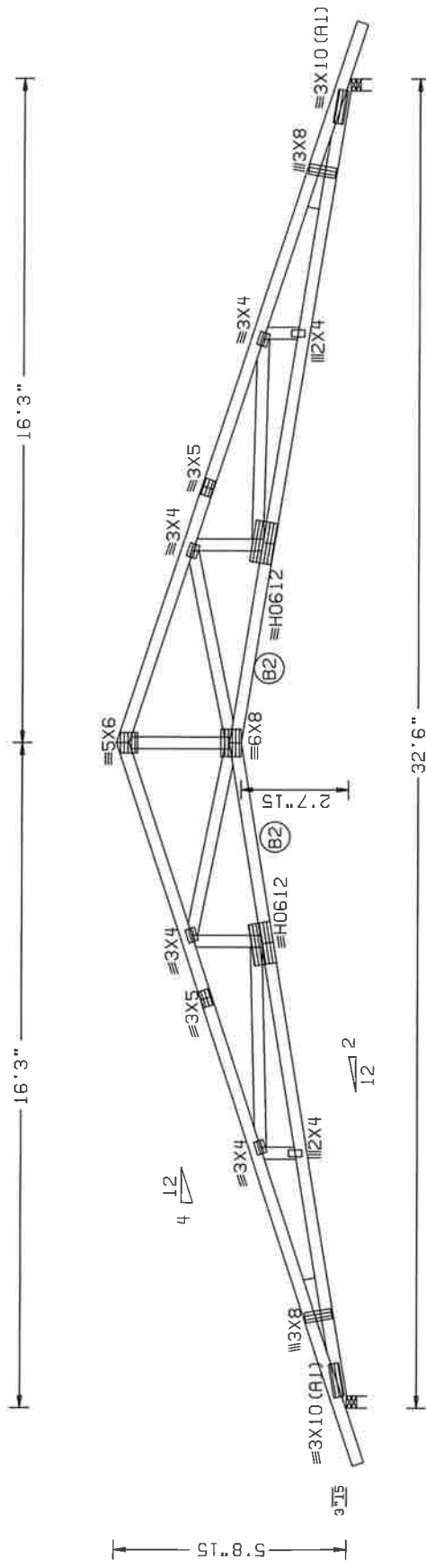
Packed By  Loaded By

William Ranieri  
 06.21.2019 14:14:14  
 William M. Ranieri, State of FL, Professional Engineer #42704  
 This item has been electronically signed and sealed by William M. Ranieri, PE (FL Lic #42704) on the date stated directly above using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Top chord 2x4 SP #2  
 Bot chord 2x4 SP Dense Struct. 65 :B2 2x4 SP #1:  
 Webs 2x4 SP #3  
 :Lt Wedge 2x4 SP #3: :Rt Wedge 2x4 SP #3:  
 Calculated horizontal deflection is 0.36" due to live load and 0.31" due to dead load.  
 Calculated vertical deflection is 0.75" due to live load and 1.27" due to dead load at X = 16'-3".  
 All wind load cases on this truss have a 1.33 duration factor.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, PART-ENC. bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.  
 GCpl (+/-)=0.55  
 Wind loads and reactions based on MWFRS with additional C&C member design.  
 Bottom chord checked for 10.00 psf non-concurrent live load.  
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 2.00.  
 All wind load cases on this truss have a 1.33 duration factor.



R=1301# U=337# W=3"8  
 (Rigid Surface)

R=1301# U=337# W=3"8  
 (Rigid Surface)

William Ranieri  
 06.21.2019 14:14:14  
 William M. Ranieri, State of FL, Professional Engineer #42704  
 This item has been electronically signed and sealed by William M. Ranieri, PE (FL Lic #42704) on the date stated directly above using a Digital Signature.

LEFT RAKE = 1'4"14  
 RIGHT RAKE = 1'4"14

PLT. TYP. -WAVE	DESIGN CRIT-FB2017RES/TP1-2014 FT/RT-20X(02)/10(0)	QTY = 6	TOTAL = 6	REV. 17.02.01A.1111	SEO = 373735
<p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!</b>                  Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be to on the site for the erection of the truss. Component Safety Information, by TPI and Vici® for the truss. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. The contractor shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to all connections. Refer to drawings 160942 for standard plate positions. Details, unless noted otherwise, shall be in accordance with ITV Building Components Group, Inc. shall not be responsible for any deviation from this drawing. A note on this drawing on cover page listing this drawing, indicating acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1.1 Sec.2.                  For more information see this job's general notes page and these web sites:                  ITVBCG: www.itvbcg.com; TPI: www.tpi.net; WTCR: www.sbcindustry.com; ICC: www.iccsafe.org</p>			TC LL	20.0psf	REF
			TC DL	7.0psf	DATE 06-21-2019
			BC DL	10.0psf	DRWG
			BC LL	0.0psf	
			TOT.LD.	37.0psf	O/A LEN. 320600
			DUR.FAC.	1.25	JOB #: 190364
			SPACING	24.0"	TYPE COMN



Top chord 2x4 SP #3  
 Bot chord 2x4 SP #3  
 Webs 2x4 SP #3

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, PART-ENC. bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.  
 GCpl(+/-)=0.55

Bottom chord checked for 10.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.

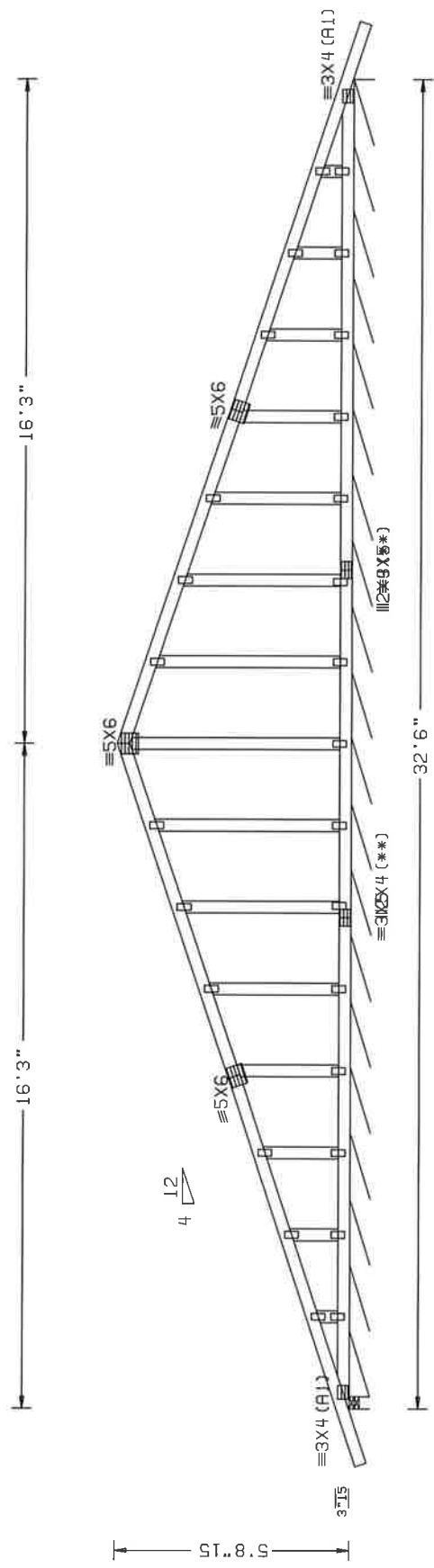
All plates are 2X4 except as noted.

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS with additional C&C member design.

See DWGS AL6015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 2.00.



1'4"

R=199# U=54# RL=116/-116# W=3"8  
 (Rigid Surface)

1'4"

R=74p1f U=100p1f W=32'2"8  
 (Rigid Surface)

William Ranieri  
 06/21/2019 14:14:14  
 William M. Ranieri, State of FL, Professional Engineer #42704  
 This item has been electronically signed and sealed by William M. Ranieri, PE (FL Lic #42704) on the date stated directly above using a Digital Signature.

LEFT RAKE = 1'4"14

RIGHT RAKE = 1'4"14

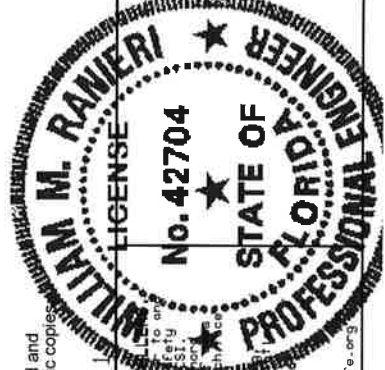
PLT. TYP. -WAVE

DESIGN CRIT-FBC2017RES/TP1-2014 FT/RT-20X(02)/10(0)

QTY= 1 TOTAL= 1

REV. 17.02.01A.1115.1201E = 0.2411  
 SEQ = 373738

**IMPORTANT\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING**  
**WARNING\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSURANCE**  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and VTCR for safety and bracing details. The designer and fabricator shall be responsible for providing proper bracing. Unless noted otherwise top chord shall have proper attachment for permanent lateral restraint. The bottom chord shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint shall be installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each chord. Refer to drawings 150952 for standard details and for other details. Refer to drawings 150952 for standard details and for other details.  
 ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing and failure to build the truss in conformance with ANSI/TP1-1, or for handling, shipping, installing or bracing of trusses.  
 The designer and fabricator shall be responsible for the suitability, competence of professional engineering responsibility solely for the design shown. The suitability, competence of professional engineering responsibility is the responsibility of the Building Designer per ANSI/TP1-1 Sec.2  
 For more information see this job's general notes page and these web sites:  
 ITVBCG: www.itvbcg.com; TPI: www.tpinet.org; VTCR: www.sbiindustry.com; ICC: www.iccsafe.org



TC LL	20.0psf	REF
TC DL	7.0psf	DATE 06-21-2019
BC DL	10.0psf	DRWG
BC LL	0.0psf	
TOT.LD.	37.0psf	O/A LEN. 320600
DUR.FAC.	1.25	JOB #: 190364
SPACING	24.0"	TYPE GABL





# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://www.universalengineering.com)

*BDG permit*

## Product Approval Form

DATE: \_\_\_\_\_

PERMIT # 2009-08-020

PROJECT ADDRESS 3007 Cullen Lk. Shore DR., Belle Isle, FL 32809 ✓32812

As required by Florida Statue 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval numbers of the building components listed below if they will be utilized on the building or structure. FL Approved products are listed online at [www.floridabuilding.org](http://www.floridabuilding.org) or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections:

- **This Product Approval Cover Sheet**
- **Internet screen printout from FloridaBuilding.Org showing PA#, approval code and edition stamped**
- **Manufacturer's installation details from FloridaBuilding.Org and requirements for each product stamped**
- **The Installation instructions must be posted on-site before your first inspection**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
<b>EXTERIOR DOORS</b>				<b>WALL PANELS</b>			
Swinging			<u>FL 12098.5</u>	Siding	<del>Michina</del>	<del>Handmade</del>	<del>12098.24</del>
Sliding				Soffits	<u>Michina</u>	<u>Panel Wall</u>	<u>FL 12098-R7</u>
Sectional/Rollup				<del>Stonefront</del>	<u>KAYCAN</u>	<u>12" soffit</u>	<u>FL 12198.3</u>
Other				Glass-Block			
				Other			
<b>WINDOWS</b>				<b>ROOFING PRODUCTS</b>			
Single/Dbf Hung				Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion							
Skylights				Other			
Other							
<b>STRUCTURAL COMPONENTS</b>				<b>OTHER</b>			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

It is the applicant's responsibility to verify that specific products have been installed in accordance with their limitations and with the minimum required design pressures for the structure. Specific compliance will be verified during field inspections.

**Applicant Signature** \_\_\_\_\_

**Date** \_\_\_\_\_



[DBPR HOME](#) | 
 [ABOUT DBPR](#) | 
 [DBPR DIVISIONS](#) | 
 [CONTACT DBPR](#)

[BCIS Home](#) | 
 [Log In](#) | 
 [User Registration](#) | 
 [Hot Topics](#) | 
 [Submit Surcharge](#) | 
 [Stats & Facts](#) | 
 [Publications](#) | 
 [Contact Us](#) | 
 [BCIS Site Map](#) | 
 [Links](#) | 
 [Search](#)



**Product Approval**  
USER: Public User

[Product Approval Menu](#) > 
 [Product or Application Search](#) > 
 [Application List](#) > 
 **Application Detail**

OFFICE OF THE SECRETARY

**FL #** FL12198-R5  
**Application Type** Revision  
**Code Version** 2017  
**Application Status** Approved  
 \*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

**Comments**  
 Archived

**Product Manufacturer** KAYCAN LTD  
**Address/Phone/Email** 1 Memorial Drive  
 Richford, VT 05476  
 (662) 252-9991 Ext 231  
 joe.lundine@kpproducts.com

**Authorized Signature** Joe Lundine  
 joe.lundine@kpproducts.com

**Technical Representative** Joe Lundine  
**Address/Phone/Email** 402 Boyer St  
 Williston, VT 05495  
 (662) 252-9991  
 joe.lundine@kpproducts.com

**Quality Assurance Representative** Joe Lundine  
**Address/Phone/Email** 402 Boyer St  
 Williston, VT 05495  
 (662) 252-9991  
 joe.lundine@kpproducts.com

**Category** Panel Walls  
**Subcategory** Soffits

**Compliance Method** Certification Mark or Listing

**Certification Agency Validated By** Miami-Dade BCCO - CER  
 Miami-Dade BCCO - VAL

Standard	Year
TAS 202	1994
TAS 203	1994

Method 1 Option A

Date Submitted 03/21/2018  
 Date Validated 03/28/2018  
 Date Pending FBC Approval  
 Date Approved 04/04/2018

**Summary of Products**

FL #	Model, Number or Name	Description
12198.1	Aluminum Soffit SP-600	SP-600 16" Vented Aluminum Soffit
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +55/-35 <b>Other:</b> Maximum Panel Dimensions: 21-1/2" x 16.515"		<b>Certification Agency Certificate</b> <a href="#">FL12198 R5 C CAC 17122131.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/01/2021 <b>Installation Instructions</b> <a href="#">FL12198 R5 II 17122131.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
12198.2	Vinyl Soffit D5	D5 10" Vented Vinyl Soffit
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +55/-35 <b>Other:</b> Maximum Panel Dimensions: 21-1/2" x 11.384"		<b>Certification Agency Certificate</b> <a href="#">FL12198 R5 C CAC 17122132.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/20/2021 <b>Installation Instructions</b> <a href="#">FL12198 R5 II 17122132.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
12198.3	Vinyl Soffit T4	T4 12" Vented Vinyl Soffit
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +55/-35 <b>Other:</b> Maximum Panel Dimensions: 21-1/2" x 13.352"		<b>Certification Agency Certificate</b> <a href="#">FL12198 R5 C CAC 17122132.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/20/2021 <b>Installation Instructions</b> <a href="#">FL12198 R5 II 17122132.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:

[Back](#) [Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida.](#) :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

**Product Approval Accepts:**

Credit Card  
**Safe**

SECURITY METRICS



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Kaycan**  
**1 Memorial Drive.**  
**Richford, VT 05476**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model D5 10" and T4 12" Vinyl Vented Soffit**

**APPROVAL DOCUMENT:** Drawing No. **KAY0001**, titled "Vinyl PVC Soffit D510" and T4 12" Vented", sheets 1 through 4 of 4, dated 12/27/2011, with revision 3 dated 12/01/2017, prepared by the manufacturer, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None**

**LABELING:** Each piece shall bear a permanent label marked at not more than 4 ft. (1.2m) o.c. with the Kaytec, Richford, VT or Cowansville, QC, Canada and following statement: "Miami-Dade County Product Control Approved", per FBC 1709.10.2 and 1709.10.3.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # 17-0404.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
02/15/2018

NOA No. 17-1221.32  
Expiration Date: April 20, 2021  
Approval Date: February 22, 2018  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS** *"Submitted under NOA # 15-0612.16"*

1. Drawing No. KAY0001, titled "Vinyl PVC Soffit D510" and T4 12" Vented", sheets 1 through 4 of 4, dated 12/27/2011, with revision 2 dated 03/17/2015, prepared by the manufacturer, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS** *"Submitted under NOA # 17-0404.04"*

1. Test report on Wind Driven Rain Resistance Test per TAS 100(A) of Model D5 10" and T4 12" Vinyl Vented Soffit, prepared by Fenestration Testing Laboratory, Inc., Test Report No. 9458, dated 03/28/2017, signed and sealed by Idalmis Ortega, P.E.

*"Submitted under NOA # 05-0804.03"*

	<b>Test Report No.</b>	<b>Standard</b>	<b>Date</b>	<b>Signature</b>
2.	AT-55983.01-106-18	ASTM D3679	01/03/06	Joseph A. Reed, P.E.
3.	AT-55983.01-106-18	ASTM G155	01/03/06	Joseph A. Reed, P.E.
4.	AT-55983.01-106-18	ASTM D638	01/03/06	Joseph A. Reed, P.E.
5.	AT-55983.01-106-18	ASTM D2843	01/03/06	Joseph A. Reed, P.E.
6.	AT-55983.01-106-18	ASTM D1929	01/03/06	Joseph A. Reed, P.E.
7.	AT-55983.01-106-18	ASTM D635	01/03/06	Joseph A. Reed, P.E.
8.	AT-55981.02-122-18	PA 202 & 203	07/15/05	S. A. Urich, P.E.

**C. CALCULATIONS** *"Submitted under NOA # 12-0124.04"*

1. Anchor calculations prepared by PTC Product Design Group, LLC, dated 12/27/2011, signed and sealed by Robert J. Amoruso, P.E.

*"Submitted under NOA # 05-0804.03"*

2. Fastener Installation Analysis, sheets 1 through 3, dated 07/27/2005, Project No. 05020010 signed and sealed by Allen N. Reeves, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS** *"Submitted under NOA # 15-0612.16"*


1. Statement letter of code conformance to 5<sup>th</sup> edition (2014) FBC and of no financial interest, prepared by PTC Product Design Group, LLC, dated 03/17/2015, signed and sealed by Robert J. Amoruso, P.E.

*"Submitted under NOA # 12-0124.04"*

2. Statement letter of code conformance to 2010 FBC and no financial interest, prepared by PTC Product Design Group, LLC, dated 01/19/2012, signed and sealed by Robert J. Amoruso, P.E.

*"Submitted under NOA # 11-0316.01"*

3. Distributor agreement dated 04/25/2011.

  
02/15/2018

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 17-1221.32  
Expiration Date: April 20, 2021  
Approval Date: February 22, 2018

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **KAY0001**, titled "Vinyl PVC Soffit D510" and T4 12" Vented", sheets 1 through 4 of 4, dated 12/27/2011, dated 09/22/2010, with revision 3 dated 12/01/2017, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS**

1. None.

**A. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 6<sup>th</sup> edition (2017) FBC and of no financial interest, prepared by PTC Product Design Group, LLC, dated 12/01/2017, signed and sealed by Robert J. Amoruso, P.E.



---

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 17-1221.32  
Expiration Date: April 20, 2021  
Approval Date: February 22, 2018



[DBPR HOME](#) | 
 [ABOUT DBPR](#) | 
 [DBPR DIVISIONS](#) | 
 [CONTACT DBPR](#)

[BCIS Home](#) | 
 [Log In](#) | 
 [User Registration](#) | 
 [Hot Topics](#) | 
 [Submit Surcharge](#) | 
 [Stats & Facts](#) | 
 [Publications](#) | 
 [Contact Us](#) | 
 [BCIS Site Map](#) | 
 [Links](#) | 
 [Search](#)



**Product Approval**  
USER: Public User

[Product Approval Menu](#) > 
 [Product or Application Search](#) > 
 [Application List](#) > 
 **Application Detail**

OFFICE OF THE SECRETARY

FL #	FL12098-R7
Application Type	Revision
Code Version	2017
Application Status	Approved

\*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments  
Archived

Product Manufacturer	Nichiha USA, Inc.
Address/Phone/Email	3150 Avondale Mill Road Macon, GA 31216 (770) 805-9466 Ext 1021 dhohenstern@nichiha.com

Authorized Signature	David Hohenstern dhohenstern@nichiha.com
----------------------	---

Technical Representative	David Hohenstern
Address/Phone/Email	6455 East Johns Crossing Suite 250 Johns Creek, GA 30097 (770) 805-9466 dhohenstern@nichiha.com

Quality Assurance Representative	David Hohenstern
Address/Phone/Email	6465 East Johns Crossing Sulte 250 JOHNS CREEK, GA 30097 (770) 805-9466 Ext 1021 dhohenstern@nichiha.com

Category	Panel Walls
Subcategory	Siding

Compliance Method	Evaluation Report from a Product Evaluation Entity
-------------------	--

Evaluation Entity	Intertek Testing Services NA, Inc.
Quality Assurance Entity	Intertek Testing Services NA, Inc. - QA Entity
Quality Assurance Contract Expiration Date	12/31/2020
	Intertek Testing Services NA, Inc.

Standard	Year
ASCE 7	2010
ASTM C1186	2008
ASTM E136	2012
ASTM E330	2002
ASTM E84	2013

Certified By

Sections from the Code

Product Approval Method

Method 1 Option C

Date Submitted

10/25/2018

Date Validated

10/25/2018

Date Pending FBC Approval

Date Approved

10/30/2018

**Summary of Products**

FL #	Model, Number or Name	Description
12098.1	NichiBoard Plank	Lap siding boards in widths from 5-1/4" up to 12"; all boards are 12 feet in length and 5/16" in thickness.
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Installation Instructions</b> <a href="#">FL12098_R7_II_2018-10-19_CCR-0258.pdf</a> Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12098_R7_AE_2018-10-19_CCR-0258.pdf</a>
12098.2	NichiPanel	Panels are available in 4-foot widths and 3 lengths: 8', 10', and 12'. All panels are 5/16" thick.
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Installation Instructions</b> <a href="#">FL12098_R7_II_2018-10-19_CCR-0258.pdf</a> Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12098_R7_AE_2018-10-19_CCR-0258.pdf</a>
12098.3	NichiShake	Primed cedar shake panels available in widths from 6-1/4" up to 12"; all boards are 18" in height.
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Installation Instructions</b> <a href="#">FL12098_R7_II_2018-10-19_CCR-0258.pdf</a> Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12098_R7_AE_2018-10-19_CCR-0258.pdf</a>
12098.4	NichiSoffit	12", 16" wide by 12' long, or 24", 48" wide by 8 feet long soffits. Product is 1/4" thick
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Installation Instructions</b> <a href="#">FL12098_R7_II_2018-10-19_CCR-0258.pdf</a> Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12098_R7_AE_2018-10-19_CCR-0258.pdf</a>
12098.5	NichiStaggered / NichiStraight	16" wide by 4' long panels designed to look like individual cedar shake. The panels are 5/16" thick.
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other:		<b>Installation Instructions</b> <a href="#">FL12098_R7_II_2018-10-19_CCR-0258.pdf</a> Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: <b>Evaluation Reports</b> <a href="#">FL12098_R7_AE_2018-10-19_CCR-0258.pdf</a>

[Back](#) [Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).



Product Approval Accepts:



Credit Card  
**Safe**



Issue Date: 10-31-2016  
Revision Date: 10-19-2018  
Renewal Date: 10-31-2019

**DIVISION: 07 00 00 -THERMAL AND MOISTURE PROTECTION**  
**Section: 07 45 00 – Fiber-reinforced Cementitious Panels**

**REPORT HOLDER:**

Nichiha USA Inc.  
6465 E. Johns Crossing, Suite 250  
Johns Creek, Georgia 30097  
[www.nichiha.com](http://www.nichiha.com)

**REPORT SUBJECT:**

**NichiProducts™ Fiber-Cement Siding Products**

### 1.0 SCOPE OF EVALUATION

**1.1** This Research Report addresses compliance with the following Codes:

- 2018, 2015, and 2012 *International Building Code*® (IBC)
- 2018, 2015, and 2012 *International Residential Code*® (IRC)
- 2017 and 2014 *Florida Building Code – Building (FBC) and Residential (FRC)* (see Section 9)
- 2016 and 2013 *California Building Code – Building (CBC) and Residential (CRC)* (see Section 9)

NOTE: This report references 2018 Code sections. Section numbers in earlier editions may be different.

**1.2** The NichiProducts™ siding products described in this report have been evaluated for the following properties (see Table 1):

- Physical properties
- Wind resistance
- Surface burning characteristics
- Noncombustibility
- Weather protection
- Fire-resistance-rated construction

**1.3** The NichiProducts™ siding products have been evaluated for the following uses (see Table 1):

- Use as an exterior wall covering in accordance with IBC Section 1405.16 and IRC Section R703.10.
- Use on exterior walls in Types I, II, III, and IV construction

- Use on exterior walls permitted to be of Type V construction.
- Use on walls required to be of fire-resistance-rated construction.

### 2.0 STATEMENT OF COMPLIANCE

The NichiProducts™ siding products recognized in this report comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

### 3.0 DESCRIPTION

#### 3.1 NichiProducts™ Fiber Cement Siding Products:

The siding products are used for lap and panel siding. A description of the siding products, their dimensions and their intended application is in Table 2.

### 4.0 PERFORMANCE CHARACTERISTICS

**4.1 Physical Properties:** The siding products comply with ASTM C1186, Type A, Grade II, in accordance with IBC Section 1403.10 [1404.10] and IRC Section R703.10.

**4.2 Wind Resistance:** The maximum allowable wind pressure for each of the siding products is described in Tables 3, 4, 5 and 6.

**4.3 Surface Burning Characteristics:** The siding products have a flame spread index of 0 and a smoke-developed index of 0, when tested in accordance with ASTM E84.

**4.4 Noncombustibility:** The siding products are noncombustible building construction materials complying with IBC Section 703.5 as determined by testing in accordance with ASTM E136.

**4.5 Weather Protection:** Siding products are installed in accordance with Section 5.2 of this report.



**4.6 Fire-resistance-rated Construction:** Fire-resistance-rated construction is outside the scope of this report.

**5.0 INSTALLATION**

**5.1 General:**

The siding must be installed in accordance with the Nichiha USA Inc., published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

**5.2 Application:**

Under the IBC, the siding products must be installed over a water-resistive barrier complying with Sections 1403.2 [1404.2] and 1402.5 [1403.5] and must be attached as described for the specific assembly in Tables 3, 4, 5, 6 and 7.

Under the IRC, the siding products must be installed over a water-resistive barrier complying with Section R703.2. Lap siding and panel siding may be installed as described in Table R703.3(1), for areas in which the design pressure does not exceed 30 psf and the mean roof height does not exceed the limits in Table R703.3.1, or as described in Tables 3 through 6. For conditions that exceed these limits, the panels must be installed as described in Table 8.

**6.0 CONDITIONS OF USE**

**6.1** Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

**6.2** When allowable wind speed is determined in accordance with Table 3, the allowable wind speed must be equal to or greater than the design wind speed calculated in accordance with the applicable Code.

**6.3** When the wall construction includes a combustible water-resistive barrier and is required to be of Type I, II, III, or IV construction, use of the siding products is limited to a maximum 40 feet in height above grade plane except under the 2018 [2015] IBC where data has been presented to the building official demonstrating compliance with the Exception to Section 1402.5 [1403.5].

**6.4** The NichiProducts™ siding products are produced under a quality control program with inspections by Intertek Testing Services NA, Inc.

**7.0 SUPPORTING EVIDENCE**

**7.1** Reports of tests in accordance with ASTM C1186, ASTM E84, ASTM E136, and ASTM E330.

**7.2** Data in accordance with the ICC-ES Acceptance Criteria for Fiber Cement Siding Used as Exterior Wall Siding (AC90), dated June 2012 (editorially revised September 2015).

**7.3** Intertek Listing Report "Nichiha NichiProducts™ Fiber Cement Siding Products" on the [Intertek Directory of Building Products](#).

**7.4** Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

**8.0 IDENTIFICATION**

The NichiProducts™ siding products are identified with the Nichiha USA Inc., name, and address, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0258).



**9.0 OTHER CODES**

**9.1 California Building Code**

**9.1.1 Scope of Evaluation:**

The NichiProducts™ siding products were evaluated for compliance with the 2016 and 2013 California Building Code, including Chapter 7A. The siding products are noncombustible materials as defined in CBC Section 202 and as permitted for use on exterior walls in CBC Section 707A.3.





### 9.1.2 Conclusion:

The siding products, described in Sections 2.0 through 7.0 of this report, comply with the 2016 and 2013 California Building Code, subject to the conditions noted in Section 6.0 of this report. Section numbers for the CBC – Building and Residential correspond to the 2015 IBC and IRC section numbers.

## 9.2 Florida Building Code

### 9.2.1 Scope of Evaluation:

The NichiProducts™ siding products were evaluated for compliance with the 2017 and 2014 *Florida Building Code – Building*, *Florida Building Code – Residential* and *Florida Building Code – Energy Conservation*.

### 9.2.2 Conclusion:

The siding products described in Sections 2.0 through 7.0 of this report, comply with the 2017 and 2014 *Florida Building Code – Building*, *Florida Building Code – Residential* and *Florida Building Code – Energy*, subject to the following conditions:

- Use of the siding product for compliance with the High-Velocity Hurricane Zone provisions of the 2017 and 2014 *Florida Building Code – Building* and the *Florida Building Code – Residential* has not been evaluated and is outside the scope of this Research Report.
- Section numbers for the FBC – Building and Residential correspond to the 2015 IBC and IRC section numbers.
- Intertek is a Florida State Product Evaluation Entity.

## 10.0 CODE COMPLIANCE RESEARCH REPORT USE

**10.1** Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

**10.2** Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

**10.3** Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

This Code Compliance Research Report ("Report") is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Report. Only the Client is authorized to permit copying or distribution of this Report and then only in its entirety, and the Client shall not use the Report in a misleading manner. Client further agrees and understands that reliance upon the Report is limited to the representations made therein. The Report is not an endorsement or recommendation for use of the subject and/or product described herein. This Report is not the Intertek Listing Report covering the subject product and utilized for Intertek Certification and this Report does not represent authorization for the use of any Intertek certification marks. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.





TABLE 1 – PROPERTIES EVALUATED

PROPERTY	2018 and 2015 IBC SECTION <sup>1</sup>	2018 and 2015 IRC SECTION <sup>1</sup>	2017 and 2014 FBC - Building	2017 and 2014 FBC – Residential	2016 and 2013 CBC
Physical properties	1403.10 [1404.10]	R703.10	1404.10	R703.10	1404.10
Surface burning characteristics	1403.10 [1404.10]	R703.10	1404.10	R703.10	1404.10
Noncombustibility	703.5	NA	703.5	NA	202, 703.5
Wind resistance	1404.16 [1405.16]	R703.16	1405.16	703.1.2	1405.16
Weather resistance	1403.2 [1404.2]	R703.2	1404.2	R703.2	1404.2

<sup>1</sup> Section numbers may be different for earlier versions of the International and Florida Codes.

TABLE 2 – NICHIIHA SIDING DESCRIPTION

Product Name	Nominal Thickness (in.)	Siding Dimensions	Intended Use	Description
NichiBoard™ plank	5/16	Width: 5.25, 6.25, 7.25, 8.25, 9.25 and 12 inches Length: 12 feet	Lap siding	Smooth or Cedar finish
NichiPanel™ sheets	5/16	4 feet by 8 feet 4 feet by 10 feet 4 feet by 12 feet	Panel siding	Cedar, Smooth, Stucco and Grooved- 8-in.- oc-Cedar finish
NichiStraight™ and NichiStaggered™ lap panels	5/16	16 inches wide by 4 foot long	Lap panel siding	Designed to look like individual cedar shakes
NichiShake™ cladding	5/16	Width: 6.25, 8.25 and 12 inches Length: 18 inches	Lap shingle siding	Designed to look like individual cedar shakes
NichiSoffit™	1/4	12, 16 inches wide by 12 feet long; 24, 48 inches wide by 8 feet long	Soffit	Vented or Nonvented; Smooth or Cedar finish



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)

PCA-101



**Table 3 - Design Loads for Negative Transverse Wind Load (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed			ASCE 7-10 Ultimate						
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D				
5.25" / 6.25" NichiBoard™	6d Double HD MAZE Coil Nail	Face	16	5.25/6.25	SPF	-49.5	15	143	130	118	185	168	153				
							20	143	126	115	185	163	149				
							25	143	124	113	185	160	146				
							30	143	121	111	185	156	144				
							40	138	118	109	178	152	140				
							50	133	115	106	172	148	137				
					60	130	113	105	168	146	135						
					DF	-76.5	15	170	162	147	210	209	190				
							20	170	157	144	210	203	185				
							25	170	154	141	210	199	182				
							30	170	151	139	210	195	179				
							40	170	146	135	210	189	174				
			50	166			143	132	210	184	171						
			24	5.25/6.25	SPF	-33.0	15	117	106	97	151	137	125				
							20	117	103	94	151	133	122				
							25	117	101	93	151	130	119				
							30	117	99	91	151	128	117				
							40	112	96	89	145	124	114				
							50	109	94	87	141	121	112				
					60	106	92	86	137	119	110						
					DF	-51.0	15	146	132	120	188	171	155				
							20	146	128	117	188	166	151				
							25	146	126	115	188	162	149				
							30	146	123	113	188	159	146				
40	140	119					110	180	154	142							
50	135	117	108	175			151	140									
60	132	115	106	171	148	137											
5.25" / 6.25" NichiBoard™	6d Double HD MAZE Coil Nail	Blind	16	5.25/6.25	SPF	-35.1	15	121	110	100	156	142	129				
							20	121	107	97	156	138	126				
							25	121	104	96	156	135	123				
							30	121	102	94	156	132	121				
							40	116	99	92	150	128	118				
							50	112	97	90	145	125	116				
							60	110	95	88	142	123	114				
							24	5.25/6.25	SPF	-23.4	15	99	90	--	127	116	--
											20	99	87	--	127	112	--
											25	99	85	--	127	110	--
											30	99	--	--	127	108	--
											40	95	--	--	122	--	--
			50	92	--	--					118	--	--				
			60	90	--	--					116	--	--				



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>			
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D	
5.25" / 6.25" NichiBoard™	Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	12	5.25/6.25	7/16" OSB	-41.0	15	130	118	108	168	153	139	
							20	130	115	105	168	149	136	
							25	130	113	103	168	145	133	
							30	130	110	101	168	142	131	
							40	125	107	99	162	138	128	
							50	121	105	97	157	135	125	
			60	118	103	95	153	133	123					
			16	5.25/6.25	7/16" OSB	-30.7	15	113	103	93	146	132	120	
							20	113	100	91	146	129	117	
							25	113	98	89	146	126	115	
							30	113	96	88	146	123	113	
							40	108	93	86	140	120	111	
		50					105	91	--	136	117	108		
		SPF	5.25/6.25	-56.1	15	153	139	126	197	179	163			
					20	153	135	123	197	174	159			
					25	153	132	121	197	170	156			
					30	153	129	119	197	167	153			
					40	147	125	116	189	162	149			
					50	142	122	113	183	158	146			
		24	5.25/6.25	7/16" OSB	-20.5	15	92	--	--	119	108	--		
						20	92	--	--	119	105	--		
						25	92	--	--	119	--	--		
						30	92	--	--	119	--	--		
						40	89	--	--	114	--	--		
50	86					--	--	111	--	--				
SPF	5.25/6.25			-37.4	15	125	113	103	161	146	133			
					20	125	110	100	161	142	130			
					25	125	108	99	161	139	127			
					30	125	105	97	161	136	125			
					40	120	102	94	154	132	122			
					50	116	100	93	150	129	119			
5.25" / 6.25" NichiBoard™	Aerosmith Fastening Systems, VersaPin	Face	16	5.25/6.25	20 GA Steel	-136.3	15	170	170	170	210	210	210	
							20	170	170	170	210	210	210	
							25	170	170	170	210	210	210	
							30	170	170	170	210	210	210	
							40	170	170	170	210	210	210	
							50	170	170	170	210	210	210	
			24	5.25/6.25	20 GA Steel	-90.9	15	170	170	160	210	210	207	
							20	170	170	156	210	210	202	
							25	170	168	154	210	210	198	
		Blind	5.25/6.25	16	5.25/6.25	20 GA Steel	-27.5	15	107	97	88	138	125	114
								20	107	94	86	138	122	111
								25	107	92	--	138	119	109
								30	107	90	--	138	117	107
								40	103	88	--	132	113	--
								50	99	86	--	128	111	--
				60	97	--	--	125	109	--				



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



ACCREDITED  
From  
Intertek Services

PCA-101



**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
7.25" NichiBoard™	6d Double HD MAZE Coil Nail	Face	16	7.25	SPF	-42.7	15	133	121	110	172	156	142
							20	133	117	107	172	152	138
							25	133	115	105	172	148	138
							30	133	113	103	172	145	134
							40	128	109	101	165	141	130
							50	124	107	99	160	138	128
			60	121	105	97	156	135	128				
			15	166	150	136	210	194	176				
			20	166	146	133	210	188	172				
			25	166	143	131	210	184	169				
			30	166	140	129	210	181	166				
			40	159	136	125	205	175	162				
		50	154	133	123	199	171	159					
		60	150	130	121	194	168	156					
		15	109	99	90	140	127	116					
		20	109	96	88	140	124	113					
		25	109	94	86	140	121	111					
		30	109	92	--	140	119	109					
		40	104	89	--	135	115	106					
		50	101	87	--	130	112	--					
		60	99	86	--	127	110	--					
		15	135	123	111	175	158	144					
		20	135	119	109	175	154	140					
		25	135	117	107	175	151	138					
30	135	114	105	175	147	136							
40	130	111	102	167	143	132							
50	126	108	100	162	140	130							
60	123	106	99	158	137	128							
15	104	95	86	135	122	111							
20	104	92	--	135	119	108							
25	104	90	--	135	116	106							
30	104	88	--	135	114	--							
40	100	85	--	129	110	--							
50	97	--	--	125	108	--							
60	95	--	--	122	106	--							
		Blind	16	7.25	SPF	-26.1							



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101





**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>			
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D	
7.25" NichiBoard™	Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	12	7.25	7/16" OSB	-35.3	15	121	110	100	156	142	129	
							20	121	107	98	156	138	126	
							25	121	105	96	156	135	124	
							30	121	102	94	156	132	122	
							40	116	99	92	150	128	118	
							50	113	97	90	145	125	116	
			60	110	95	89	142	123	114					
			15	117	106	96	151	137	124					
			20	117	103	94	151	133	121					
			25	117	101	92	151	130	119					
			30	117	99	91	151	127	117					
			40	112	96	88	145	124	114					
			50	109	94	87	140	121	112					
			60	106	92	85	137	119	110					
			15	102	93	--	132	120	109					
			20	102	90	--	132	117	106					
			25	102	88	--	132	114	--					
			30	102	87	--	132	112	--					
	40	98	--	--	127	108	--							
	50	95	--	--	123	106	--							
	60	93	--	--	120	--	--							
		*Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	16	7.25	SYP	-54.7	15	151	137	124	195	177	160
	20							151	133	121	195	172	157	
	25							151	130	119	195	168	154	
30	151							127	117	195	164	151		
40	145							124	114	187	160	147		
50	140							121	112	181	156	144		
60	137	119	110	177	153	142								

\*Fasteners shall be located a minimum distance of 3/4" from the vertical siding edges at corners and splices.



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



ACCREDITED  
Product Certification Agency

PCA-101



**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Des	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
7.25" NichiBoard™	Aerosmith Fastening Systems, VersaPin	Face	16	7.25	20 GA Steel	-117.5	15	170	170	170	210	210	210
							20	170	170	170	210	210	210
							25	170	170	170	210	210	210
							30	170	170	170	210	210	210
							40	170	170	167	210	210	210
							50	170	170	164	210	210	210
			60	170	170	162	210	210	209				
			15	170	164	149	210	210	192				
			20	170	159	145	210	205	188				
			25	170	156	143	210	201	184				
			30	170	152	140	210	197	181				
			40	170	148	137	210	191	176				
50	168	145	134	210	187	173							
60	164	142	132	210	183	170							
8.25" NichiBoard™	6d Double HD MAZE Coil Nail	Face	16	8.25	SPF	-37.5	15	125	113	103	161	146	133
							20	125	110	100	161	142	130
							25	125	108	99	161	139	127
							30	125	105	97	161	136	125
							40	120	102	95	155	132	122
							50	116	100	93	150	129	120
					60	113	98	91	146	127	118		
					15	155	141	128	200	182	165		
					20	155	137	125	200	177	161		
					25	155	134	123	200	173	158		
					30	155	131	121	200	169	156		
					40	149	127	118	192	164	152		
			50	144	124	115	186	161	149				
			60	141	122	113	182	158	146				
			15	102	92	--	132	119	108				
			20	102	90	--	132	116	106				
			25	102	88	--	132	114	--				
			30	102	86	--	132	111	--				
			40	98	--	--	126	108	--				
			50	95	--	--	122	105	--				
			60	92	--	--	119	--	--				
			15	127	115	104	164	148	135				
			20	127	112	102	164	144	132				
			25	127	109	100	164	141	129				
30	127	107	98	164	138	127							
40	122	104	96	157	134	124							
50	118	102	94	152	131	121							
60	115	100	93	148	129	120							



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Des	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
8.25" NichiBoard™	Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	12	8.25	7/16" OSB	-29.5	15	111	100	91	143	130	118
							20	111	98	89	143	126	115
							25	111	96	87	143	123	113
							30	111	94	86	143	121	111
							40	106	91	--	137	117	108
							50	103	89	--	133	114	106
	60	100	87	--	130	112	--						
	*Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	16	8.25	SPF	-23.7	15	99	90	--	128	116	106
							20	99	87	--	128	113	--
							25	99	86	--	128	110	--
							30	99	--	--	128	108	--
							40	95	--	--	123	105	--
							50	92	--	--	119	--	--
	60	90	--	--	116	--	--						
	*Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	16	8.25	SYP	-43.0	15	134	121	110	173	157	142
							20	134	118	108	173	152	139
							25	134	115	106	173	149	136
							30	134	113	104	173	146	134
40							128	110	101	166	142	131	
50							124	107	99	160	138	128	
60	121	105	98	157	136	126							

\*Fasteners shall be located a minimum distance of 3/4" from the vertical siding edges at corners and splices.



Intertek





**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>			
			Frame/Horizonta (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D	
8.25" NichiBoard™	Aerosmith Fastening Systems, VersaPin	Face	16	8.25	20 GA Steel	-103.3	15	170	170	170	210	210	210	
							20	170	170	167	210	210	210	
							25	170	170	164	210	210	210	
							30	170	170	161	210	210	208	
							40	170	170	157	210	210	203	
							50	170	166	154	210	210	199	
			60	170	163	151	210	210	195					
			24	8.25	20 GA Steel	-68.8	15	169	153	139	210	198	180	
							20	169	149	136	210	193	176	
							25	169	146	134	210	188	173	
							30	169	143	131	210	185	170	
							40	162	139	128	210	179	165	
50	157	136					126	203	175	162				
9.25" NichiBoard™	6d Double HD MAZE Coil Nail	Face	16	9.25	SPF	-33.4	15	118	107	97	152	138	125	
							20	118	104	95	152	134	122	
							25	118	102	93	152	131	120	
							30	118	100	92	152	129	118	
							40	113	97	89	146	125	115	
							50	110	94	88	141	122	113	
					60		107	93	86	138	120	111		
					DF		-51.7	15	147	133	121	189	172	156
								20	147	129	118	189	167	152
								25	147	126	116	189	163	150
								30	147	124	114	189	160	147
								40	141	120	111	182	155	143
			50	136		117		109	176	152	140			
			60	133	115	107	172	149	138					
			24	9.25	SPF	-22.3	15	96	87	--	124	113	--	
							20	96	--	--	124	110	--	
							25	96	--	--	124	107	--	
							30	96	--	--	124	--	--	
							40	92	--	--	119	--	--	
							50	89	--	--	115	--	--	
					60		87	--	--	113	--	--		
					DF		-34.5	15	120	109	99	154	140	127
								20	120	106	96	154	136	124
								25	120	103	95	154	133	122
30	120	101						93	154	131	120			
40	115	98						91	148	127	117			
50	111	96	89	144		124		115						
60	109	94	87	140	122	113								
9.25" NichiBoard™	Double HD MAZE Asphalt & Fiberglass Shingle Nail	Blind	12	9.25	7/16" OSB	-23.5	15	99	90	--	127	116	105	
							20	99	87	--	127	112	--	
							25	99	85	--	127	110	--	
							30	99	--	--	127	108	--	
							40	95	--	--	122	--	--	
							50	92	--	--	118	--	--	
60	90	--	--	116	--	--								





**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
9.25" NichiBoard™	Aerosmith Fastening Systems, VersaPin	Face	16	9.25	20 GA Steel	-92.1	15	170	170	161	210	210	208
							20	170	170	157	210	210	203
							25	170	169	155	210	210	200
							30	170	165	152	210	210	196
							40	170	160	148	210	207	191
							50	170	157	145	210	202	188
			60	170	154	143	210	199	185				
			24	9.25	20 GA Steel	-61.4	15	160	145	132	206	187	170
							20	160	141	129	206	182	166
							25	160	138	126	206	178	163
							30	160	135	124	206	174	160
							40	153	131	121	198	169	156
							50	148	128	119	192	165	153
							60	145	126	117	187	162	151



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 3 - Continued (NichiBoard™ Plank)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>						
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D				
12" NichiBoard™	6d Double HD MAZE Coil Nail	Face	16	12	SPF	-25.8	15	103	94	85	134	121	110				
							20	103	91	--	134	118	108				
							25	103	89	--	134	115	106				
							30	103	87	--	134	113	--				
							40	99	--	--	128	110	--				
							50	96	--	--	124	107	--				
					60	94	--	--	121	105	--						
					DF	-39.8	15	129	117	106	166	151	137				
							20	129	113	104	166	147	134				
							25	129	111	102	166	143	131				
							30	129	109	100	166	140	129				
							40	123	106	97	159	136	126				
			50	120			103	96	154	133	123						
			60	117	101	94	151	131	121								
			24	12	SPF	-17.2	15	--	--	--	109	--	--				
							20	--	--	--	109	--	--				
							25	--	--	--	109	--	--				
							30	--	--	--	109	--	--				
							40	--	--	--	--	--	--				
							50	--	--	--	--	--	--				
					60	--	--	--	--	--	--						
					DF	-26.6	15	105	95	87	136	123	112				
							20	105	93	--	136	120	109				
							25	105	91	--	136	117	107				
30	105	89					--	136	115	105							
40	101	86					--	130	111	--							
50	98	--	--	126			109	--									
60	95	--	--	123	107	--											
12" NichiBoard™	Aerosmith Fastening Systems, VersaPin	Face	16	12	20 GA Steel	-71.0	15	170	156	142	210	201	183				
							20	170	151	138	210	196	179				
							25	170	148	136	210	191	175				
							30	170	145	133	210	187	172				
							40	165	141	130	210	182	168				
							50	160	138	128	206	178	165				
							60	156	135	126	201	175	162				
							24	12	20 GA Steel	-47.3	15	140	127	116	181	164	149
											20	140	124	113	181	160	146
			25	140	121	111					181	156	143				
			30	140	119	109					181	153	141				
			40	135	115	106					174	149	137				
			50	130	112	104					168	145	134				
			60	127	110	103					164	142	132				

**Notes:**

- NichiBoard™ fiber cement lap siding may only be installed on vertical walls. Fasteners must be installed in a way that does not damage the board during installation. Where necessary, pre-drilled holes may be used in combination with hand-nailed fasteners to avoid damage to the fiber cement product.
- ASCE 7-05 Basic Wind Speeds are based upon occupancy category II, a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (GCpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 170mph.
- ASCE 7-10 Ultimate Wind Speeds are based upon a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (GCpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 210mph.
- The values in this table are based on testing per ASTM E330 and represent the allowable capacity of the siding to resist the wind pressures associated with the corresponding wind speed.
- Fastener specifications for those used in testing are outlined in Table 8 of this Intertek CCRR. These specifications may be used by the designer of record to determine the acceptability of alternative fasteners.
- Allowable design pressures in highlighted cells have been adjusted based on the listed allowable withdrawal capacity of the tested fastener.
- Framing and bracing are beyond the scope of this evaluation report.
- Allowable design pressures for assemblies described in this table are applicable to the NichiBoard Plank attached to ASTM C90 fully-grouted CMU block wall using ITW Ramset TE Series power actuated fasteners (ICC-ES ESR-1799). Minimum fastener embedment is 1 inch; fasteners must be placed a minimum of 5.1 inches from the edge of the wall.



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 4 - Design Loads for Negative Transverse Wind Load (NichiPanel™ Sheet)<sup>1,4,7</sup>**

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
6d Double HD MAZE Coil Nail	6	12	SPF Lumber	16"o.c.	-28.7	15	109	99	90	141	128	116
						20	109	96	88	141	124	113
						25	109	94	86	141	122	111
						30	109	92	--	141	119	109
						40	105	90	--	135	116	107
						50	101	87	--	131	113	--
						60	99	86	--	128	111	--
6d Double HD MAZE Coil Nail	8	8	SPF Lumber	16"o.c.	-43.0	15	134	121	110	173	157	142
						20	134	118	108	173	152	139
						25	134	115	106	173	149	136
						30	134	113	104	173	146	134
						40	128	110	101	166	142	131
						50	124	107	99	160	138	128
						60	121	105	98	157	136	126
				24"o.c.	-30.4	15	112	102	93	145	132	120
						20	112	99	91	145	128	117
						25	112	97	89	145	125	115
						30	112	95	87	145	123	113
						40	108	92	85	139	119	110
						50	105	90	--	135	116	108
						60	102	88	--	132	114	106
6d Double HD MAZE Coil Nail	6	6	SPF Lumber	16"o.c.	-57.3	15	154	140	127	199	181	164
						20	154	136	124	199	176	160
						25	154	133	122	199	172	157
						30	154	130	120	199	168	155
						40	148	127	117	191	163	151
						50	143	124	115	185	160	148
						60	140	121	113	181	157	146
				24"o.c.	-40.6	15	130	118	107	168	152	138
						20	130	115	105	168	148	135
						25	130	112	103	168	145	133
						30	130	110	101	168	142	130
						40	125	107	98	161	138	127
						50	121	104	96	156	134	125
						60	118	102	95	152	132	123
6d Double HD MAZE Coil Nail	4	4	SPF Lumber	16"o.c.	-85.9	15	170	170	156	210	210	201
						20	170	167	152	210	210	196
						25	170	163	149	210	210	193
						30	170	160	147	210	206	189
						40	170	155	143	210	200	185
						50	170	151	140	210	195	181
						60	170	149	138	210	192	178
				24"o.c.	-60.9	15	159	144	131	205	186	169
						20	159	140	128	205	181	165
						25	159	137	126	205	177	162
						30	159	134	124	205	174	159
						40	153	130	120	197	168	156
						50	148	127	118	191	165	152
						60	144	125	116	186	162	150



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 4 - Continued (NichiPanel™ Sheet)<sup>1,4,7</sup>**

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
8d Masonite Siding Nails	6	12	SPF Lumber	16"o.c.	-39.9	15	129	117	106	166	151	137
						20	129	114	104	166	147	134
						25	129	111	102	166	143	131
						30	129	109	100	166	141	129
						40	124	106	98	160	136	126
						50	120	103	96	155	133	123
						60	117	101	94	151	131	122
				24"o.c.	-26.6	15	105	95	87	136	123	112
						20	105	93	--	136	120	109
						25	105	91	--	136	117	107
						30	105	89	--	136	115	105
						40	101	86	--	130	111	--
						50	98	--	--	126	109	--
						60	95	--	--	123	107	--
8d Masonite Siding Nails	8	8	SPF Lumber	16"o.c.	-59.9	15	158	143	130	204	185	168
						20	158	139	127	204	180	164
						25	158	136	125	204	176	161
						30	158	133	123	204	172	158
						40	151	129	119	195	167	154
						50	147	126	117	189	163	151
						60	143	124	115	185	160	149
				24"o.c.	-39.9	15	129	117	106	166	151	137
						20	129	114	104	166	147	134
						25	129	111	102	166	143	131
						30	129	109	100	166	141	129
						40	124	106	98	160	136	126
						50	120	103	96	155	133	123
						60	117	101	94	151	131	122
8d Masonite Siding Nails	6	6	SPF Lumber	16"o.c.	-79.9	15	170	165	150	210	210	194
						20	170	161	147	210	207	189
						25	170	157	144	210	203	186
						30	170	154	142	210	199	183
						40	170	149	138	210	193	178
						50	169	146	135	210	188	175
						60	165	143	133	210	185	172
				24"o.c.	-53.3	15	149	135	123	192	174	158
						20	149	131	120	192	169	155
						25	149	128	118	192	166	152
						30	149	126	116	192	162	149
						40	143	122	113	184	158	145
						50	138	119	110	179	154	143
						60	135	117	109	174	151	140







**Table 4 - Continued (NichiPanel™ Sheet)<sup>1,4,7</sup>**

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
8d Masonite Siding Nails	4	4	SPF Lumber	16"o.c.	-119.8	15	170	170	170	210	210	210
						20	170	170	170	210	210	210
						25	170	170	170	210	210	210
						30	170	170	170	210	210	210
						40	170	170	169	210	210	210
						50	170	170	166	210	210	210
						60	170	170	163	210	210	210
	4	4	SPF Lumber	24"o.c.	-79.9	15	170	165	150	210	210	194
						20	170	161	147	210	207	189
						25	170	157	144	210	203	186
						30	170	154	142	210	199	183
						40	170	149	138	210	193	178
						50	169	146	135	210	188	175
						60	165	143	133	210	185	172



Table 4 - Continued (NichiPanel™ Sheet)<sup>1,4,7</sup>

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
Grabber #8 Flat Wafer Head Screws	6	12	SPF Lumber	16"o.c.	-55.9	15	152	138	126	197	179	162
						20	152	134	123	197	173	158
						25	152	131	120	197	170	156
						30	152	129	118	197	166	153
						40	146	125	115	189	161	149
						50	142	122	113	183	158	146
			60	138	120	111	179	155	144			
			20 GA Steel	24"o.c.	-37.3	15	124	113	103	161	146	132
						20	124	110	100	161	142	129
						25	124	107	98	161	139	127
						30	124	105	97	161	136	125
						40	119	102	94	154	132	122
	50	116				100	92	149	129	119		
	20 GA Steel	16"o.c.	-48.5	15	142	129	117	183	166	151		
				20	142	125	114	183	162	148		
				25	142	123	112	183	158	145		
				30	142	120	110	183	155	142		
				40	136	116	108	176	150	139		
				50	132	114	105	170	147	136		
		60	129	112	104	166	144	134				
		24"o.c.	-32.4	15	116	105	96	150	136	123		
				20	116	102	93	150	132	121		
				25	116	100	92	150	129	118		
				30	116	98	90	150	127	116		
40				111	95	88	144	123	113			
50	108			93	86	139	120	111				
60	105	91	--	136	118	109						
Grabber #8 Flat Wafer Head Screws	8	8	SPF Lumber	16"o.c.	-83.8	15	170	169	154	210	210	199
						20	170	165	150	210	210	194
						25	170	161	147	210	208	190
						30	170	158	145	210	204	187
						40	170	153	141	210	198	182
						50	170	149	138	210	193	179
			60	169	147	136	210	190	176			
			24"o.c.	-55.9	15	152	138	126	197	179	162	
					20	152	134	123	197	173	158	
					25	152	131	120	197	170	156	
					30	152	129	118	197	166	153	
					40	146	125	115	189	161	149	
	50	142			122	113	183	158	146			
	60	138	120	111	179	155	144					
	20 GA Steel	16"o.c.	-72.8	15	170	158	143	210	204	185		
				20	170	153	140	210	198	181		
				25	170	150	137	210	194	177		
				30	170	147	135	210	190	174		
				40	167	143	132	210	184	170		
				50	162	139	129	209	180	167		
	60	158	137	127	204	177	164					
	24"o.c.	-48.5	15	142	129	117	183	166	151			
			20	142	125	114	183	162	148			
			25	142	123	112	183	158	145			
30			142	120	110	183	155	142				
40			136	116	108	176	150	139				
50			132	114	105	170	147	136				
60	129	112	104	166	144	134						





**Table 4 - Continued (NichiPanel™ Sheet)<sup>1,4,7</sup>**

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>n</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
Grabber #8 Flat Wafer Head Screws	6	6	SPF Lumber	16"o.c.	111.8	15	170	170	170	210	210	210
						20	170	170	170	210	210	210
						25	170	170	170	210	210	210
						30	170	170	167	210	210	210
						40	170	170	163	210	210	210
						50	170	170	160	210	210	207
			60	170	170	158	210	210	203			
			20 GA Steel	24"o.c.	-74.5	15	170	160	145	210	206	187
						20	170	155	142	210	200	183
						25	170	152	139	210	196	180
						30	170	149	137	210	192	176
						40	169	144	133	210	186	172
	50	164				141	131	210	182	169		
	20 GA Steel	16"o.c.	-97.0	15	170	170	166	210	210	210		
				20	170	170	162	210	210	209		
				25	170	170	159	210	210	205		
				30	170	170	156	210	210	201		
				40	170	165	152	210	210	196		
				50	170	161	149	210	208	192		
		60	170	158	147	210	204	189				
		24"o.c.	-64.6	15	164	149	135	210	192	174		
				20	164	145	132	210	187	170		
				25	164	141	130	210	183	167		
				30	164	138	127	210	179	164		
40				157	134	124	203	174	160			
50	152			131	122	197	170	157				
60	149	129	12	192	167	155						
Grabber #8 Flat Wafer Head Screws	4	4	SPF Lumber	16"o.c.	136.0	15	170	170	170	210	210	210
						20	170	170	170	210	210	210
						25	170	170	170	210	210	210
						30	170	170	170	210	210	210
						40	170	170	170	210	210	210
						50	170	170	170	210	210	210
			60	170	170	170	210	210	210			
			24"o.c.	-90.6	15	170	170	160	210	210	207	
					20	170	170	156	210	210	202	
					25	170	167	153	210	210	198	
					30	170	164	151	210	210	195	
					40	170	159	147	210	206	190	
	50	170			156	144	210	201	186			
	60	170	153	142	210	197	183					
	20 GA Steel	16"o.c.	136.0	15	170	170	170	210	210	210		
				20	170	170	170	210	210	210		
				25	170	170	170	210	210	210		
				30	170	170	170	210	210	210		
				40	170	170	170	210	210	210		
				50	170	170	170	210	210	210		
		60	170	170	170	210	210	210				
		24"o.c.	-90.6	15	170	170	160	210	210	207		
				20	170	170	156	210	210	202		
				25	170	167	153	210	210	198		
30				170	164	151	210	210	195			
40				170	159	147	210	206	190			
50	170			156	144	210	201	186				
60	170	153	142	210	197	183						



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 4 - Continued (NichiPanel™ Sheet)<sup>1,4,7</sup>**

Panel Fastener <sup>5</sup>	Fastener Spacing		Framing Type	Framing Spacing	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	Perimeter (in)	Field (in)					Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
Aerosmith Fastening Systems, VersaPin	6	12	20 GA Steel	16"o.c.	-29.3	15	110	100	91	142	129	117
						20	110	97	89	142	126	115
						25	110	95	87	142	123	113
						30	110	93	86	142	120	111
						40	106	90	--	137	117	108
						50	102	88	--	132	114	106
						60	100	87	--	129	112	--
Aerosmith Fastening Systems, VersaPin	8	8	20 GA Steel	16"o.c.	-43.9	15	135	123	111	174	158	144
						20	135	119	109	174	154	140
						25	135	117	107	174	150	138
						30	135	114	105	174	147	135
						40	130	111	102	167	143	132
						50	126	108	100	162	140	129
						60	123	106	99	158	137	127
Aerosmith Fastening Systems, VersaPin	6	6	20 GA Steel	16"o.c.	-58.5	15	156	141	129	201	183	166
						20	156	137	126	201	178	162
						25	156	135	123	201	174	159
						30	156	132	121	201	170	156
						40	150	128	118	193	165	152
						50	145	125	116	187	161	149
						60	141	123	114	183	158	147
Aerosmith Fastening Systems, VersaPin	4	4	20 GA Steel	16"o.c.	-87.9	15	170	170	158	210	210	203
						20	170	169	154	210	210	199
						25	170	165	151	210	210	195
						30	170	161	148	210	208	192
						40	170	157	145	210	202	187
						50	170	153	142	210	198	183
						60	170	150	140	210	194	180
			24"o.c.	-35.6	15	122	110	100	157	143	129	
					20	122	107	98	157	139	126	
					25	122	105	96	157	136	124	
					30	122	103	95	157	133	122	
					40	117	100	92	151	129	119	
					50	113	98	90	146	126	117	
					60	110	96	89	143	124	115	

Notes:

- NichiPanel™ fiber cement flat sheet siding may only be installed on vertical walls. Fasteners must be installed in a way that does not damage the board during installation. Where necessary, pre-drilled holes may be used in combination with hand-nailed fasteners to avoid damage to the fiber cement product.
- ASCE 7-05 Basic Wind Speeds are based upon occupancy category II, a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (Gcpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 170mph.
- ASCE 7-10 Ultimate Wind Speeds are based upon a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (Gcpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 210mph.
- The values in this table are based on testing per ASTM E330 and represent the allowable capacity of the siding to resist the wind pressures associated with the corresponding wind speed.
- Fastener specifications for those used in testing are outlined in Table 8 of this Intertek CCRR. These specifications may be used by the designer of record to determine the acceptability of alternative fasteners.
- Allowable design pressures in highlighted cells have been adjusted based on the listed allowable withdrawal capacity of the tested fastener.
- Framing and bracing are beyond the scope of this evaluation report.
- Allowable design pressures for assemblies described in this table are applicable to the NichiPanel attached to ASTM C90 fully-grouted CMU block wall using ITW Ramset TE Series power actuated fasteners (ICC-ES ESR-1799). Minimum fastener embedment is 1 inch; fasteners must be placed a minimum of 5.1 inches from the edge of the wall.



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**Table 5 - Design Loads for Negative Transverse Wind Load (NichiStraight™/NichiStaggered™ Lap Panel)<sup>1,4,7</sup>**

Siding Type	Siding Fastener <sup>5</sup>	Face/Blind	Effective Fastener Spacing		Framing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
			Frame/Horizontal (in)	Field (in)				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
NichiStraight™/NichiStaggered™	6d Double HD MAZE Coil Nail	Blind	12	8.625	7/16" OSB	-23.5	15	99	90	--	128	116	105
							20	99	87	--	128	113	--
							25	99	85	--	128	110	--
							30	99	--	--	128	108	--
							40	95	--	--	122	--	--
							50	92	--	--	119	--	--
			60	90	--	--	116	--	--				
			15	122	111	101	158	143	130				
			20	122	108	98	158	139	127				
			25	122	105	96	158	136	125				
			30	122	103	95	158	133	122				
			40	117	100	92	151	129	119				
			50	113	98	91	146	126	117				
			60	111	96	89	143	124	115				
			15	100	90	--	129	117	106				
			20	100	88	--	129	113	--				
			25	100	86	--	129	111	--				
			30	100	--	--	129	109	--				
40	96	--	--	123	106	--							
50	93	--	--	120	--	--							
60	90	--	--	117	--	--							
NichiStraight™/NichiStaggered™	6d Ring Shank Double HD MAZE Coil Nail	Blind	12	8.625	7/16" OSB	-24.9	15	102	92	--	131	119	108
							20	102	90	--	131	116	106
							25	102	88	--	131	113	--
							30	102	86	--	131	111	--
							40	98	--	--	126	108	--
							50	95	--	--	122	105	--
							60	92	--	--	119	--	--
							15	144	130	118	185	168	153
20	144	127	116	185	163	149							
25	144	124	114	185	160	147							
30	144	121	112	185	157	144							
40	138	118	109	178	152	140							
50	133	115	107	172	149	138							
60	130	113	105	168	146	136							
NichiStraight™/NichiStaggered™	#8-18 Wafer Head ROCK-ON™ Screws	Blind	24	8.625	20 GA Steel	-49.6	15	144	130	118	185	168	153
							20	144	127	116	185	163	149
							25	144	124	114	185	160	147
							30	144	121	112	185	157	144
							40	138	118	109	178	152	140
							50	133	115	107	172	149	138
							60	130	113	105	168	146	136

Notes:

- NichiStraight™/NichiStaggered™ Lap Panel fiber cement siding may only be installed on vertical walls. Fasteners must be installed in a way that does not damage the board during installation. Where necessary, pre-drilled holes may be used in combination with hand-nailed fasteners to avoid damage to the fiber cement product.
- ASCE 7-05 Basic Wind Speeds are based upon occupancy category II, a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (Gcpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 170mph.
- ASCE 7-10 Ultimate Wind Speeds are based upon a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (Gcpi) equal to +/-0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 210mph.
- The values in this table are based on testing per ASTM E330 and represent the allowable capacity of the siding to resist the wind pressures associated with the corresponding wind speed.
- Fastener specifications for those used in testing are outlined in Table 8 of this Intertek CCRR. These specifications may be used by the designer of record to determine the acceptability of alternative fasteners.
- Allowable design pressures in highlighted cells have been adjusted based on the listed allowable withdrawal capacity of the tested fastener.
- Framing and bracing are beyond the scope of this evaluation report.
- Allowable design pressures for assemblies described in this table are applicable to the NichiStraight/NichiStaggered lap panels attached to ASTM C90 fully-grouted CMU block wall using ITW Ramset TE Series power actuated fasteners (ICC-ES ESR-1799). Minimum fastener embedment is 1 inch; fasteners must be placed a minimum of 5.1 inches from the edge of the wall.





**Table 6 - Design Loads for Negative Transverse Wind Load (NichiShake™ Shingles)<sup>1,4,7</sup>**

Siding Fastener <sup>5</sup>	Fasteners per Shake			Sheathing Type	Allowable Design Pressure (psf) <sup>6</sup>	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
	6-1/4" Width	8-1/4" Width	12" Width				Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
6d Double HD MAZE Coil Nail	2	2	3	7/16" OSB	-30.6	15	113	102	93	146	132	120
						20	113	99	91	146	128	117
						25	113	97	89	146	126	115
						30	113	95	88	146	123	113
						40	108	93	85	140	119	110
						50	105	90	--	135	117	108
						60	102	89	--	132	115	106

Notes:

- NichiShake™ fiber-cement shingle siding may only be installed on vertical walls. Fasteners must be installed in a way that does not damage the board during installation. Where necessary, pre-drilled holes may be used in combination with hand-nailed fasteners to avoid damage to the fiber cement product.
- ASCE 7-05 Basic Wind Speeds are based upon occupancy category II, a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (GCpi) equal to +/- 0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 170mph.
- ASCE 7-10 Ultimate Wind Speeds are based upon a wind directionality factor (Kd) equal to 0.85, an internal pressure coefficient (GCpi) equal to +/- 0.18, and an external pressure coefficient (GCp) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 210mph.
- The values in this table are based on testing per ASTM E330 and represent the allowable capacity of the siding to resist the wind pressures associated with the corresponding wind speed.
- Fastener specifications for those used in testing are outlined in Table 8 of this Intertek CCRR. These specifications may be used by the designer of record to determine the acceptability of alternative fasteners.
- Allowable design pressures in highlighted cells have been adjusted based on the listed allowable withdrawal capacity of the tested fastener.
- Framing and bracing are beyond the scope of this evaluation report.



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



ACCREDITED  
Permanently Accredited

PCA-101



**Table 7 – Design Loads for Negative Transverse Wind Load (NichiSoffit™)**

	Fastener Spacing (in.)	Framing Type	Framing Spacing (in.)	Allowable Design Pressure (psf)	Building Height (ft)	ASCE 7-05 Basic Wind Speed (MPH) <sup>2</sup>			ASCE 7-10 Ultimate Wind Speed (MPH) <sup>3</sup>		
						Exp B	Exp C	Exp D	Exp B	Exp C	Exp D
1-3/4-in.-long Maze double hot dipped galvanized ring-shank nails (0.125-in. shank dia., 0.365-in. head dia.)	8	Wood, 2 x 4, min. specific gravity 0.42	12 Max. 16-inch-wide panels	-84.4	15	170	169	154	210	210	199
					20	170	165	150	210	210	194
					25	170	161	147	210	208	190
					30	170	158	145	210	204	187
					40	170	153	141	210	198	182
					50	170	149	138	210	193	179
					60	169	147	136	210	190	176
1-3/4-in.-long Maze double hot dipped galvanized ring-shank nails (0.125-in. shank dia., 0.0365-in. head dia.)	6	Wood, 2 x 4, min. specific gravity 0.42	16 Max. 16-inch-wide panels	-71.1	15	170	156	142	210	201	183
					20	170	151	138	210	196	179
					25	170	148	136	210	191	175
					30	170	145	133	210	187	172
					40	165	141	130	210	182	168
					50	160	138	128	206	178	165
					60	156	135	126	201	175	162
1-1/2-in.-long 4d hot dipped galvanized ring-shank nails (0.120-in. shank dia., 0.219-in. head dia.)	8	Wood, min. specific gravity 0.42	24 Max. 16-inch-wide panels	-37.6	15	124	113	103	161	146	132
					20	124	110	100	161	142	129
					25	124	107	98	161	139	127
					30	124	105	97	161	136	125
					40	119	102	94	154	132	122
					50	116	100	92	149	129	119
					60	113	98	91	146	126	117
6d lap siding nails (0.12-in shank dia., 2-in. long, 17/64-in. head dia.)	8	Wood, 2x4, min. specific gravity 0.42	24 Max. 48-inch-wide panels	-18.3	15	--	--	--	109	--	--
					20	--	--	--	109	--	--
					25	--	--	--	109	--	--
					30	--	--	--	109	--	--
					40	--	--	--	--	--	--
					50	--	--	--	--	--	--
					60	--	--	--	--	--	--
#8 x 1-1/4-in. self-piercing lath screws	8	No. 20 gage steel	24 Max. 48-inch-wide panels	-21.6	15	96	87	--	124	113	--
					20	96	--	--	124	110	--
					25	96	--	--	124	107	--
					30	96	--	--	124	--	--
					40	92	--	--	119	--	--
					50	89	--	--	115	--	--
					60	87	--	--	113	--	--



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



ACCREDITED  
To the  
Code Compliance

PCA-101

**Table 7 - Continued**

## Notes:

1. **NichiSoffit™ sheets** may only be installed on soffits. Fasteners must be installed in a way that does not damage the board during installation. Where necessary, pre-drilled holes may be used in combination with hand-nailed fasteners to avoid damage to the fiber cement product.
2. ASCE 7-05 Basic Wind Speeds are based upon occupancy category II, a wind directionality factor ( $K_d$ ) equal to 0.85, an internal pressure coefficient ( $G_{Cpi}$ ) equal to +/- 0.18, and an external pressure coefficient ( $G_{Cp}$ ) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 170mph.
3. ASCE 7-10 Ultimate Wind Speeds are based upon a wind directionality factor ( $K_d$ ) equal to 0.85, an internal pressure coefficient ( $G_{Cpi}$ ) equal to +/-0.18, and an external pressure coefficient ( $G_{Cp}$ ) equal to -1.4. The effects of topographic features have not been considered and the wind speed has been limited to 210 mph.
4. The values in this table are based on testing per ASTM E330 and represent the allowable capacity of the siding to resist the wind pressures associated with the corresponding wind speed.
5. Fastener specifications for those used in testing are outlined in Table 8 of this Intertek CCRR. These specifications may be used by the designer of record to determine the acceptability of alternative fasteners.
6. Allowable design pressures in highlighted cells have been adjusted based on the listed allowable withdrawal capacity of the tested fastener.
7. Framing and bracing are beyond the scope of this evaluation report.







**Table 8 - Specifications of Tested Fasteners**

Siding Fastener	Length (in)	Head Diameter (in)	Shank Diameter (in)	Material <sup>1,2,3</sup>	Siding Type <sup>5</sup>	Minimum Fastener Penetration into Material (in)	Fastener Withdrawal Value (lbs)	
6d Double HD MAZE Coil Nail	2	0.237	0.099	SPF	NichiPanel™	1 <sup>11</sup> / <sub>16</sub>	42.2	
					NichiBoard™ (Face)	1 <sup>3</sup> / <sub>8</sub>	34.4	
					NichiBoard™ (Blind)	1 <sup>11</sup> / <sub>16</sub>	42.2	
					NichiStraight™/NichiStaggered™	1 <sup>3</sup> / <sub>8</sub>	34.4	
	2.5	0.236	0.097	SPF	NichiBoard™ (Face)	1 <sup>7</sup> / <sub>8</sub>	45.9	
					NichiBoard™ (Blind)	2 <sup>3</sup> / <sub>16</sub>	53.6	
	6d Ring Shank Double HD MAZE Coil Nail	2	0.233	0.105	SPF	NichiFrontier™ (Face)	1 <sup>1</sup> / <sub>8</sub>	29.8
						NichiFrontier™ (Blind)	1 <sup>9</sup> / <sub>16</sub>	41.4
7/16" OSB					NichiStraight™/NichiStaggered™	7/16	17.9	
					SYP	NichiFrontier™ (Face)	1 <sup>1</sup> / <sub>8</sub>	46.1
8d Masonite Siding Nails	2.5	0.313	0.118	SPF	NichiFrontier™ (Blind)	1 <sup>9</sup> / <sub>16</sub>	64.0	
					NichiPanel™	2 <sup>3</sup> / <sub>16</sub>	65.2	
Double HD MAZE Asphalt & Fiberglass Shingle Nail	1.75	0.365	0.125	SPF	NichiPanel™	2 <sup>3</sup> / <sub>16</sub>	65.2	
					NichiBoard™ (Face)	1 <sup>1</sup> / <sub>8</sub>	35.5	
				SYP	NichiBoard™ (Blind)	1 <sup>7</sup> / <sub>16</sub>	45.4	
					NichiBoard™ (Blind)	1 <sup>1</sup> / <sub>16</sub>	70.1	
Double HD Grip Rite Roofing Nail	2.5	0.383	0.125	SPF w/ 7/16" OSB	NichiBoard™ (Face)	7/16	21.3	
					NichiBoard™ (Blind)	7/16	21.3	
	1.75	0.362	0.125	7/16" OSB	NichiBoard™ (Face)	7/16	21.3	
					NichiBoard™ (Blind)	7/16	21.3	
Grabber #8 Flat Wafer Head Screws <sup>6</sup>	1.625	0.406	0.166	SPF	NichiFrontier™ (Face)	1 <sup>5</sup> / <sub>8</sub>	51.3	
				20 GA Steel	NichiFrontier™ (Blind)	2 <sup>1</sup> / <sub>16</sub>	65.1	
Aerosmith Fastening Systems, VersaPin <sup>7</sup>	1.5	0.301	0.106	20 GA Steel	NichiFrontier™ (Face)	7/16	21.3	
					NichiFrontier™ (Blind)	7/16	21.3	
	1.375	0.251	0.107	20 GA Steel	NichiPanel™	1 <sup>5</sup> / <sub>8</sub>	51.3	
					NichiPanel™	--	85.0	
#8-18 Wafer Head ROCK-ON™ Screws <sup>8</sup>	1.625	0.395	0.162	20 GA Steel	NichiPanel™	--	94.7	
					NichiPanel™	--	94.7	
					NichiPanel™	--	94.7	
Aerosmith Fastening Systems, SurePin <sup>9</sup>	1.25	0.300	0.145	Concrete Block	NichiFrontier™ (Face)	--	95.0	
					NichiFrontier™ (Blind)	--	95.0	
	2	0.300	0.145	Concrete Block	NichiStraight™/NichiStaggered™	--	95.0	
					NichiBoard™ (Face)	3/4	233.1	
2	0.300	0.145	Concrete Block	NichiBoard™ (Blind)	1 <sup>1</sup> / <sub>8</sub>	233.8		
				NichiStraight™/NichiStaggered™	1 <sup>1</sup> / <sub>8</sub>	233.8		

Notes:

1. SPF (Spruce-Pine-Fir) framing material is assumed to have a Specific Gravity of 0.42 or greater.
2. DF (Douglas Fir) framing material is assumed to have a Specific Gravity of 0.5 or greater.
3. OSB sheathing material is assumed to have a Specific Gravity of 0.5 or greater. Where fasteners are installed through OSB sheathing into SPF studs, a Specific Gravity of 0.42 shall be assumed for the entire fastener penetration depth.
4. SYP (Southern Yellow Pine) framing material is assumed to have a Specific Gravity of 0.5 or greater.
5. Alternative fasteners must meet the minimum head and shank diameters listed in Table 8. The required length and withdrawal capacity shall be determined by the design professional of record in accordance with the requirements of Table 3, 4, 5, 6, and 7 of this Intertek CCRR.
6. Fastener pull-out capacity based on manufacturer (Grabber Construction Products, Inc.) technical data sheet and a safety factor of 3.
7. Fastener pull-out capacity based on PEI Product Report PER-06014 and a safety factor of 3.
8. Fastener pull-out capacity based on ITW Buildex and Illinois Tool Works, Inc. Product Report No. 02722 and a safety factor of 3.
9. Fastener pull-out capacity based on PEI Product Report PER-07021 and a safety factor of 5.



Intertek

130 Derry Court • York • Pennsylvania • 17406

[intertek.com/building](http://intertek.com/building)



PCA-101



**RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER**

Searches

Sales Search

Results

Property Record Card

My Favorites

Sign up for e-Notify...

**3007 Cullen Lake Shore Dr** < 18-23-30-4386-03-680 >

Name(s)

Shields Allan J

Shields Heather B

Mailing Address On File

3007 Cullen Lake Shore Dr

Belle Isle, FL 32812-1040

[Incorrect Mailing Address?](#)

Physical Street Address

3007 Cullen Lake Shore Dr

Postal City and Zipcode

Orlando, FL 32812

Property Use

0130 - Sfr - Lake Front

Municipality

Belle Isle



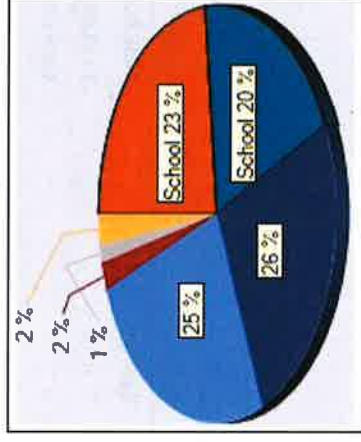
Property Features | Values, Exemptions and Taxes | Sales Analysis | Location Info | Market Stats | Update Information

**Historical Value and Tax Benefits**

Has Homestead in 2019

Tax Year	Values	Land	Building(s)	Feature(s)	Market Value	Assessed Value	
2019	W MKT	\$365,000	+	\$301,678	+	\$49,000 = \$715,678 (7.5%)	\$587,768 (1.9%)
2018	✓ MKT	\$320,000	+	\$296,314	+	\$49,500 = \$665,814 (7.4%)	\$576,809 (2.1%)
2017	✓ MKT	\$320,000	+	\$290,951	+	\$50,000 = \$660,951 (12%)	\$564,945 (11%)
2016	✓ MKT	\$300,000	+	\$239,551	+	\$50,500 = \$590,051	\$509,513
Tax Year Benefits		Original Homestead	Additional Hx	Other Exemptions	SOH Cap	Tax Savings	
2019	W \$ HX GAP	\$25,000	\$25,000	\$0	\$127,910	\$2,842	
2018	✓ \$ HX GAP	\$25,000	\$25,000	\$0	\$89,005	\$2,205	
2017	✓ \$ HX GAP	\$25,000	\$25,000	\$0	\$96,006	\$2,349	
2016	✓ \$ HX GAP	\$25,000	\$25,000	\$0	\$80,538	\$2,118	

**2019 Tax Breakdown**



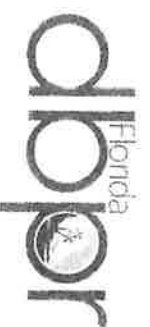
**2019 Taxable Value and Estimate of Proposed Taxes** TAX YEAR | 2019 • 2018 • 2017 • 2016

Taxing Authority	Assd Value	Exemption	Tax Value	Millage Rate	Taxes %



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**CONSTRUCTION INDUSTRY LICENSING BOARD**

THE BUILDING CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

**BARNES, KYLE KEVIN**

BIG DAY CONSTRUCTION, INC.  
2701 RAEFORD COURT  
ORLANDO FL 32806

**LICENSE NUMBER: CBC1259742**

**EXPIRATION DATE: AUGUST 31, 2020**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 07/30/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement.

Table with PRODUCER (Floridian Insurance Agency Inc), CONTACT NAME, PHONE (407-207-1616), FAX (407-207-1662), E-MAIL ADDRESS (nader@floridianinsurance.com), INSURER(S) AFFORDING COVERAGE (Crum and Forster Specialty Ins Company), and INSURED (BIG DAY CONSTRUCTION, INC., 2701 RAEFORD CT, ORLANDO FL 32806).

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Main table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include COMMERCIAL GENERAL LIABILITY (BAK-43108-2), AUTOMOBILE LIABILITY, UMBRELLA LIAB, EXCESS LIAB, WORKERS COMPENSATION AND EMPLOYERS' LIABILITY.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Residential / Commercial Building Contractor

Table with CERTIFICATE HOLDER (CITY OF BELLE ISLE, 1600 NELA AVE, BELLE ISLE, FLORIDA 32809) and CANCELLATION (SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE signature).



JIMMY PATRONIS  
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA  
DEPARTMENT OF FINANCIAL SERVICES  
DIVISION OF WORKERS' COMPENSATION

**\*\* CERTIFICATE OF ELECTION TO BE EXEMPT FROM FLORIDA WORKERS' COMPENSATION LAW \*\***

**CONSTRUCTION INDUSTRY EXEMPTION**

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation law.

**EFFECTIVE DATE:** 11/6/2018

**EXPIRATION DATE:** 11/5/2020

**PERSON:** KYLE K BARNES

**EMAIL:** BIGDAYCONSTRUCTION@YAHOO.COM

**FEIN:** 455282935

**BUSINESS NAME AND ADDRESS:**

BIG DAY CONSTRUCTION, INC.

2701 RAEFORD COURT

ORLANDO, FL 32806

**SCOPE OF BUSINESS OR TRADE:**

Licensed Building Contractor   Concrete Construction NOC   Carpentry  NOC

Contractor-Project Manager,  
Construction Executive,  
Construction Manager or  
Construction Superintendent

---

IMPORTANT: Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter. Pursuant to Chapter 440.05(12), F.S., Certificates of election to be exempt... apply only within the scope of the business or trade listed on the notice of election to be exempt. Pursuant to Chapter 440.05(13), F.S., Notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a certificate at any time for failure of the person named on the certificate to meet the requirements of this section.

2018 EXPIRES 9/30/2019 1816-1096944  
1816 PNT/CRMO/BSBD/SOF/FA \$30.00 1 EMPLOYEE

TOTAL TAX \$30.00  
PENALTIES \$3.00  
PREVIOUSLY PAID \$33.00  
TOTAL DUE \$0.00

BARNES KEVIN K

BIG DAY CONSTRUCTION INC  
BARNES KEVIN K  
2701 RAEFORD CT  
ORLANDO FL 32806

2701 RAEFORD CT (MOBILE)  
U - ORLANDO, 32806

PAID: \$33.00 0098-00872679 10/23/2018

Tax Collector Scott Randolph Local Business Tax Receipt Orange County, Florida

This local Business Tax Receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and other lawful authorities. This receipt is valid from October 1 through September 30 of receipt year. Delinquent penalty is added October 1.

2018 EXPIRES 9/30/2019 1816-1096944  
1816 PNT/CRMO/BSBD/SOF/FA \$30.00 1 EMPLOYEE

TOTAL TAX \$30.00  
PENALTIES \$3.00  
PREVIOUSLY PAID \$33.00  
TOTAL DUE \$0.00



BARNES KEVIN K

BIG DAY CONSTRUCTION INC  
BARNES KEVIN K  
2701 RAEFORD CT  
ORLANDO FL 32806

2701 RAEFORD CT (MOBILE)  
U - ORLANDO, 32806

PAID: \$33.00 0098-00872679 10/23/2018

This receipt is official when validated by the Tax Collector.

Orange County Code requires this local Business Tax Receipt to be displayed conspicuously at the place of business in public view. It is subject to inspection by all duly authorized officers of the County.