



City of Belle Isle Job Site Card Building PERMIT 2018-08-024

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 inspections.**

Permit Number: 2018- 08-024

Issue Date: 8/09/2018

Site Address: 3907 Quando Dr 32812

Parcel # 20-23-30-1646-00-790

Class: Residential

Subdivision:

Description of Work: **Replace screen patio enclosure (Solid Roof) 14'x20' w/ 2' overhang on roof .**

Issued To: ACTION ALUMINUM PRODUCTS INC

Business Phone: 407 812-7617

Name: JOHNS, DAVID ALLAN

Contractor License: CGC053605

Payment Date & Method: 8 / 29 / 2018

Visa Master Card Amex Discover Check / Money Order # 1957

Schedule Inspections via Email at: BD scheduling@universalengineering.com

SCHEDULE INSPECTIONS BY 3:00PM CUT OFF TIME

Inspection Results Will Be Sent Out the Following Business Day

"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

100 Demo Final			
110 Footing			
120 Stem Wall			
130 Slab			
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			
240 Lathe			
250 Final			
260 Other			

Inspection requests are to be emailed to BD scheduling@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 be guaranteed. Inspection results will be sent out the following business day.** A permit expires in 6 months if approved inspections are not recorded /scheduled within that time frame. **You are responsible for scheduling and keeping track of all your inspections -**

Universal Engineering Sciences - 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

RECEIVED
AUG -9 2018

Building / Land Use Permit Application

DATE: _____

PERMIT # 2018-08.024

PROJECT ADDRESS 3907 Quando Dr, Belle Isle, FL 32809 (32812)

PROPERTY OWNER Robert Schafer PHONE 407-587-5767 VALUE OF WORK (labor & material) \$ 7,076⁷¹⁵

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

* Replace screen patio enclosure (solid roof) 14' x 20' w/ 2' overhang on

Please provide information, if applicable.

DIMENSION * rws

- **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: 20-23-30-1646-00-790
To obtain this information, please visit <http://www.ocpafl.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: _____
DATE _____

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. 280

MAX. FLOOR LOAD _____ MAX. OCCUPANCY _____

MIN. FLOOD ELEV. _____ LOW FLOOR ELEV. _____

WATER SERVICE _____ WELL _____ SEPTIC _____

SPRINKLERS REQ'D	Y	N
If Required - SUBMIT COPY OF PLANS FOR FIRE REVIEW		
REVIEW	Date: Sent	RCD
ZONING	Y	N
CERT OF OCC	Y	N
TRAFFIC	Y	N
SCHOOL	Y	N
FIRE	Y	N
SWIMMING POOL	Y	N
SCREEN ENCLOSURE	Y	N
ROOFING	Y	N
BOAT DOCK	Y	N
BUILDING	Y	N
WINDOW(S)	Y	N
DOOR(S)	Y	N
FENCE	Y	N
SHED	Y	N
DRIVEWAY	Y	N
OTHER	Y	N

replacing existing

79.50

BUILDING REVIEWER _____ DATE _____

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE SW DATE 8-9-18

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 min

TOTAL 83.50

OTHER PERMITS REQUIRED:

ELECTRICAL	Y	NA
PREPOWER	Y	NA
MECHANICAL	Y	NA
PLUMBING	Y	NA
ROOFING	Y	NA
GAS	Y	NA

PAID
8-29-18
VISA 1967

1ST IK 25
7x4 28
53 : 2
26.50

79.50

119087



Building Permit (Land Use) Application
 To be completed as required by State Statute Section 713 and other applicable sections.

PERMIT # 2018-08-024

Owner's Name Robert Schafer

Owner's Address 3907 Quando Dr.

Contractor Name <u>Action Aluminum Products, Inc</u>	Company Name <u>David A. Johns</u>
License # <u>CEIC 053605</u>	Company Address <u>P.O. Box 560724</u>
Contact Phone/Cell <u>407-812-7617</u>	City, State, ZIP <u>Orlando, FL 32856</u>
Contact Email <u>actionaluminum@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) and City Ordinances (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 Robert W. Schafer

The foregoing instrument was acknowledged before me this 7/31/18

by Robert Schafer who is personally known to me

and who produced DR. LIC as identification and who did not take an oath.

Notary as to Owner
 State of Florida
 County of Orange



Contractor Signature David A. Johns

COMPANY NAME Action Aluminum Products, Inc

The foregoing instrument was acknowledged before me this 8/6/18

by David A. Johns who is personally known to me

and who produced _____ 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
 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 ID #: 20-23-30-1046-00-790
 Prepared by: Action Aluminum Product, Inc.
PO Box 560724
Orlando, FL 32856
 Return to: Action Aluminum Product, Inc.
PO Box 560724
Orlando, FL 32856

DOC# 20180498983
 08/21/2018 03:25:40 PM Page 1 of 1
 Rec Fee: \$10.00
 Phil Diamond, Comptroller
 Orange County, FL
 IP - Ret To: ACTION ALUMINUM PRODUCTS



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.

1. Description of property (legal description of the property, and street address if available)
Conway East 4/122 Lot 19
2. General description of improvement
Patio Screen Enclosure
3. Owner information or Lessee information if the Lessee contracted for the improvement
 Name Robert + Billye Schafer
 Address 3907 Quando Dr. Orlando, FL 32812
 Interest in Property Owner
 Name and address of fee simple titleholder (if different from Owner listed above)
 Name N/A
 Address _____
4. Contractor
 Name Action Aluminum Products, Inc. Telephone Number 407-812-7611
 Address P.O. Box 560724 Orlando, FL 32856
5. Surety (if applicable, a copy of the payment bond is attached)
 Name N/A Telephone Number _____
 Address _____ Amount of Bond \$ _____
6. Lender
 Name N/A Telephone Number _____
 Address _____
7. 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 N/A Telephone Number _____
 Address _____
8. 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 N/A Telephone Number _____
 Address _____
9. Expiration date of notice of commencement (the expiration date will be 1 year from the date of recording unless a different date is specified) _____



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: _____ D.C.
 DATED: AUG 21 2018

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.

X Robert W. Wiele Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager
 X Owner Signatory's Title/Office

The foregoing instrument was acknowledged before me this 31 day of 7/18 by Robert Schafer
 as owner for self
 Type of authority, e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed

Neil Williams Signature of Notary Public - State of Florida
 _____ Print, type, or stamp commissioned name of Notary Public

Personally Known _____ OR Produced ID X
 Type of ID Produced Dr. Lic





City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universaleengineering.com

Product Approval Form

DATE: _____ PERMIT # _____

PROJECT ADDRESS 3907 Quando Dr. Belle Isle, FL 32809 32812

As required by Florida Statute 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 or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections:

1. **This Product Approval Cover Sheet**
2. **Internet screen from FloridaBuilding.org showing PA#, approval and code edition stamped**
3. **Manufacturer's installation details from FloridaBuilding.org and requirements for each product stamped**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Dbf Hung				Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment			
Skylights				Other	Elite Aluminum Corp	Aluminum Composite panels	7561.1
Other							
STRUCTURAL COMPONENTS				OTHER			
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 8/25/18



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Product Approval
USER: Public User

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



FL #	FL7561-R4
Application Type	Revision
Code Version	2017
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Elite Aluminum Corporation
Address/Phone/Email	4650 Lyons Technology Parkway Coconut Creek, FL 33073 (954) 949-3200 dk@dokimengineering.net
Authorized Signature	Do Kim dk@dokimengineering.net
Technical Representative	Bruce Peacock
Address/Phone/Email	4650 Lyons Technology Parkway Coconut Creek, FL 33073 (954) 949-3200 bpeacock@elitealuminum.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Products Introduced as a Result of New Technology
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Do Kim, P.E.
Florida License	PE-49497
Quality Assurance Entity	QAI Laboratories
Quality Assurance Contract Expiration Date	12/30/2022
Validated By	James L. Buckner, P.E. @ CBUCK Engineering <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	FL7561_R4_COI_Cert_of_Independence.pdf
Referenced Standard and Year (of Standard)	
Equivalence of Product Standards Certified By	
Sections from the Code	1709.2
Product Approval Method	Method 2 Option B

Date Submitted 08/15/2017
 Date Validated 08/16/2017
 Date Pending FBC Approval 08/20/2017
 Date Approved 10/10/2017

Summary of Products

FL #	Model, Number or Name	Description
7561.1	Aluminum/Aluminum Composite Panels	3"/4"/6"x0.024"x1lb EPS Composite Panel, 3"/4"/6"x0.032x1lb EPS Composite Panel, 3"/4"/6"x0.024"x2lb EPS Composite Panel, 3"/4"/6"x0.030"x2lb EPS Composite Panel,
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +80/-80 Other: In HVHZ, not to be used in structures considered living areas per FBC Section 1616 unless impact protection is provided. See installation drawing for nominal allowable design pressures and spans.		Installation Instructions FL7561_R4_II_2017 FBC-Elite Aluminum Corp-Install Instruct.pdf Verified By: Do Kim, P.E. PE 49497 Created by Independent Third Party: Yes Evaluation Reports FL7561_R4_AE_FL_7561 Evaluation Report-2017 FBC.pdf Created by Independent Third Party: Yes

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

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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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](#).

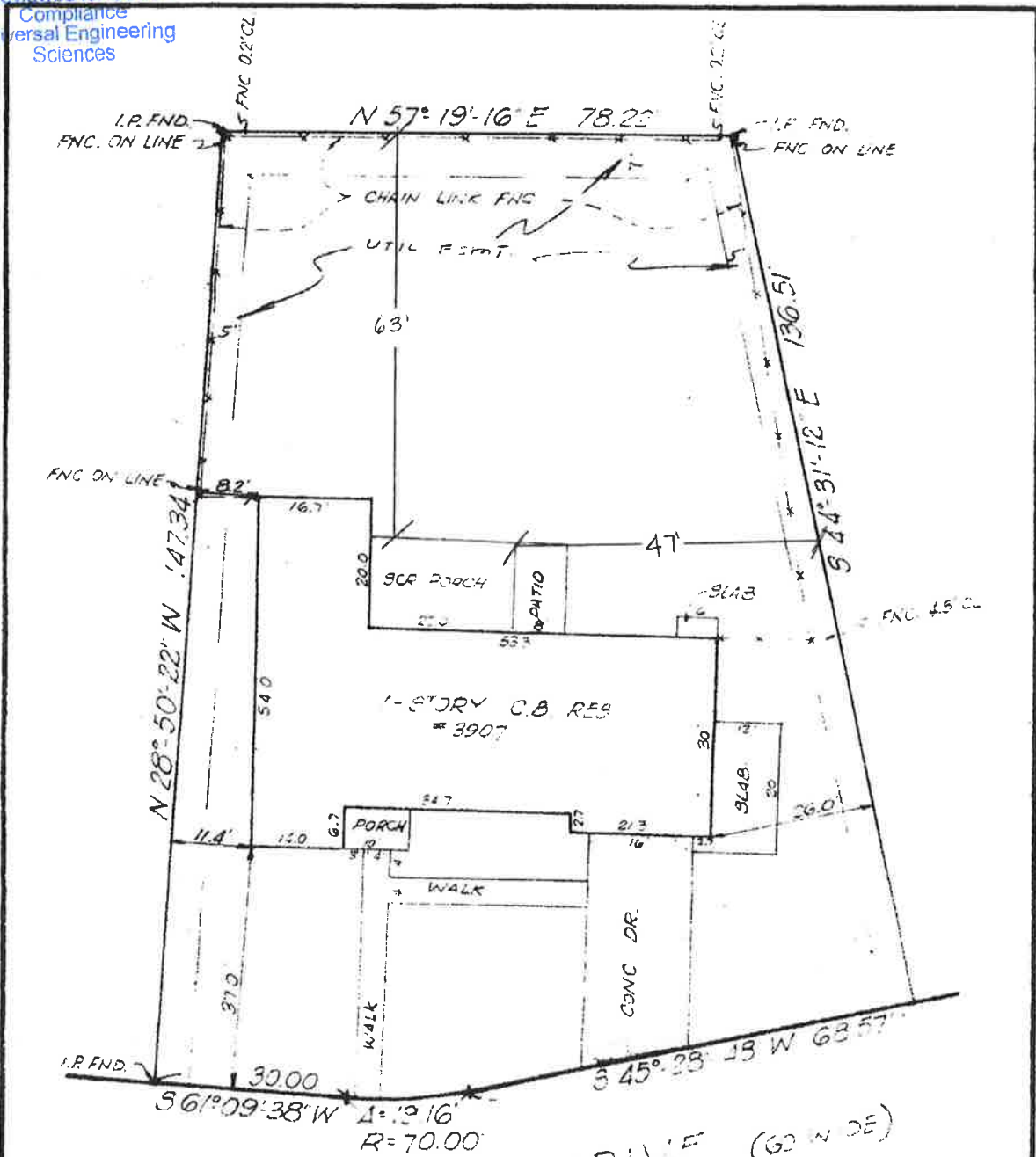


Credit Card
Safe





Reviewed for Code
Compliance
Universal Engineering
Sciences



Lot 79, Conway East, as per plat thereof as recorded in Plat Book 4, pages 122, 123, Public Records of Orange County, Florida.

For: Robert W. & Billye A. Schafer
Note: This property is not in a flood prone area.

GRUSENMEYER & ASSOCIATES
SURVEYORS & ENGINEERS
ORLANDO, FLORIDA

CERTIFIED BY:

[Signature]

Tom C. Grusenmeyer
REGISTERED FLA LAND SURVEYOR NO. 1542



NORTH

SCALE: 1" = 20'

DATE: 10-9-78

ORDER NO. 1445

L. McPherson

RECEIVED
AUG - 9 2018
BY: _____

GENERAL NOTES

1. DESIGN CRITERIA:

- APPLICABLE CODES, REGULATIONS & STANDARDS:
 1. THE 2017 FLORIDA BUILDING CODE, 6TH EDITION SPECIFICALLY CHAPTER 16 STRUCTURAL DESIGN, CHAPTER 20 ALUMINUM & CHAPTER 23 WOOD.
 2. ASCE 7-10 & SEI7
 3. NDS NATIONAL DESIGN SPECIFICATION FOR WOOD.
 4. ACI318 CONCRETE REFERENCE MANUAL.
 5. PCI PRECAST & PRESTRESSED CONCRETE.
 6. AA ASM 35 & AA ADM 1

WIND LOADS:

1. BUILDING OCCUPANCY CATEGORY, PARAGRAPH 1604.5 & TABLE 1604.5, RISK CATEGORY 1.
 2. BASIC WIND SPEED, TABLE 1609C, STATE OF FLORIDA DEBRIS REGION & BASIC WIND SPEED, PARAGRAPH 1609.3.1 & TABLE 1609.3.1 EQUIVALENT BASIC WIND SPEED: 130 MPH EXPOSURE CATEGORY, PARAGRAPH 1609.4.3: B
 3. SCREENED ROOF ENCLOSURE FBC 2017 CH. 20 TABLE 2002.4

CONCRETE & FOUNDATION DESIGN:

1. WHERE CONCRETE SPECIFICATIONS ARE REQUIRED, WHETHER IN THE SCREEN ENCLOSURE SCOPE OF NOT, BY ONE OR MORE REGULATORY AGENCY, THE FOLLOWING SPECIFICATIONS ARE APPLICABLE:
 A. CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING COMPONENTS:
 I. PORTLAND CEMENT TYPE 1 - ASTM C 150
 II. AGGREGATES - LARGE AGGREGATE 3/4" MAX. - ASTM C 33
 III. AIR ENTRAINING +/- 1% - ASTM C 260
 IV. WATER REDUCING AGENT - ASTM C 494
 V. CLEAN POTABLE WATER
 VI. OTHER ADMIXTURES NOT PERMITTED
 B. METAL ACCESSORIES SHALL CONFORM TO:
 I. REINFORCING BARS - ASTM A615, GRADE 60
 II. WELDED WIRE FABRIC - ASTM A185
 C. CONCRETE SLUMP AT DISCHARGE CHUTE NOT LESS THAN 3" OR MORE THAN 5". WATER ADDED AFTER BATCHING IS NOT PERMITTED.
 D. PREPARE & PLACE CONCRETE PER AMERICAN CONCRETE INSTITUTE MANUAL OF STANDARD PRACTICE, PART 1, 2, & 3 INCLUDING HOT WHEATHER RECOMMENDATIONS.
 E. MOIST CURE OR POLYETHYLENE CURING PERMITTED.
 F. PRIOR TO PLACING CONCRETE, TREAT THE ENTIRE SUBSURFACE ARE FOR TERMITES IN COMPLIANCE WITH THE FBC.
 G. CONCRETE SHALL BE PLACED OVER A POLYETHYLENE VAPOR BARRIER.
 2. IF A MINIMUM 4" CONCRETE SLAB IS PROVIDED IN SOUND CONDITION, FREE FROM STRUCTURAL CRACKING, SPALLING & OTHER DETERIORATION, NO ADDITIONAL FOOTING OR FOUNDATION SYSTEM IS REQUIRED BY THE PROPOSED CONSTRUCTION.
 3. WHEN APPLICABLE FOR ATTACHING NEW FOOTER TO EXISTING, DRILL & EPOXY NEW STEEL INTO EX. FOUNDATION WITH 1" MIN. HOLE. EMBED 4" MIN W/ NON-SHRINKING SIMPSON EPOXY-TIE (OR EQUAL) TYP. ALL LOCATIONS.
 4. WHEN INSTALLING 4" CONCRETE SLAB-ADD ADJACENT TO EXISTING-DOWELL INTO EXISTING CONCRETE 48" O/C W/8" #5 REBARS- DRILL 3/4" HOLE 4" EMBEDMENT- EPOXY W/ NON-SHRINKING "SIMPSON EPOXY TIE" (OR EQUAL).
 5. MINIMUM CONCRETE STRENGTH 3000 PSI UNLESS OTHER WISE NOTED.

ALUMINUM SPECIFICATIONS:

1. ALUMINUM EXTRUSIONS SHALL BE 6005 T5 ALLOY UNLESS OTHERWISE SPECIFIED.
 2. ALL SELF MATING BEAM SECTIONS ARE TO BE STITCHED WITH #12 SCREWS 6" FROM ENDS & 24" CENTER TO CENTER.
 3. ROOF BRACING SHALL BE A MINIMUM 2"x2"x.050".
 4. THE MINIMUM NORMAL THICKNESS OF PROTECTOR PANELS (KICKPLATES) SHALL BE AN INDUSTRY STANDARD OF 0.024 INCHES.
 5. VINYL AND ACRYLIC PANELS SHALL BE REMOVED WHEN WIND SPEEDS EXCEED 75 MPH PER FBC.
 6. SCREEN MATERIAL SHALL BE 18/14 SCREEN UNLESS APPROVED BY FLORIDA ENGINEERING LLC.

FASTNER SPECIFICATIONS:

1. FASTNERS ARE REQUIRED TO BE SAE GRADE 2 OR BETTER ZINC PLATED. (CONCRETE ANCHORS ARE TO BE TAPCONS OR BETTER, INSTALLED TO MFG.)
 2. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN THE SCREENS, AND FASTENERS TO MANUFACTURING SPECIFICATIONS.
 3. WHERE WOOD DECK IS PRESENT USE 1/4"x3-1/2" GALV. LAG SCREWS IN LIEU OF MASONRY ANCHORS, UNLESS OTHERWISE SPECIFIED.
 4. 1"x2" NON STRUCTURAL MEMBERS ATTACHED TO HOST
 A. FOR MASONRY/CONCRETE APPLICATION USE GALVANIZED 1/4"x2-3/4" TAPCONS OR EQUAL AT 24" O.C. AND 6" FROM ENDS
 B. FOR WOOD APPLICATION USE #14X2-3/4" WOOD SCREW AT 24" O.C. AND 6" FROM ENDS
 C. FOR ALUMINUM APPLICATION USE #10X1-1/2" SMS OR TEK SCREW AT 24" O.C. AND 6" FROM ENDS
 D. WHERE 1"x2" INSTALLED THROUGHOUT AN "OPEN VIEW" SPACING SHALL BE REDUCED TO 18" O.C. AND 6" FROM ENDS

MASONRY SPECIFICATIONS:

1. CONCRETE MASONRY UNITS (CMU) SHALL BE STANDARD HOLLOW UNITS AND SHALL BE 1900 PSI MINIMUM BASED ON TYPE M OR S MORTAR
 2. ALL MORTAR SHALL BE TYPE M OR S
 3. ALL GROUT SHALL BE 2000 PSI MINIMUM AND HAVE MAXIMUM COARSE AGGREGATE SIZE OF 3/8"
 4. PROVIDE CLEAN-OUTS FOR REINFORCED CELLS CONTAINING REINFORCEMENT WHEN GROUT POUR EXCEEDS 5'-0" IN HEIGHT.

MISCELLANEOUS:

1. SCREENED ENCLOSURES CONTAINING SWIMMING POOLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF FBC R4501.17 RESIDENTIAL SWIMMING BARRIER REQUIREMENTS.
 2. ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME, IF THE EXISTING STRUCTURE IS ONE OF THESE, A SEPERATE 4TH WALL SUPPORT SYSTEM IS SO TO BE ENGINEERED SO THAT NO ADDITIONAL LOADING IS PLACED ON THE MANUFACTURED HOME.
 3. DOOR LOCATION MAY BE RELOCATED BY CONTRACTOR IN THE FIELD.
 4. WHERE PAVERS ARE UNDER ALUMINUM MEMBERS, CONTRACTOR SHALL EPOXY TO DECK OR GROUT TO DECK w/3000 PSI GROUT WITH BONDING AGENT.
 5. INTEGRITY OF EXISTING/ HOST STRUCTURE SHALL NOT BE COMPROMISED WITH THE ATTACHMENT OF THE PROPOSED STRUCTURE
 6. ALL 2X4 & GREATER ARE TO BE SMB UNLESS OTHERWISE INDICATED.

RESPONSIBILITIES:

1. ALL SITE WORK SHALL BE PERFORMED BY A LISICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDANANCES, AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.

2. FOR FASTENERS WHICH ARE NOT VISIBLE AFTER INSTALLATION, THE CONTRACTOR SHALL VERIFY AND INSURE INSTALLATION HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND IN ACCORDANCE WITH THE ATTACHED DETAILS
 3. FOR "PICTURE WINDOW" MODIFICATION TO EXISTING SCREEN ENCLOSURES, ALL OTHER "EXISTING SCREEN ENCLOSURE" FEATURES ARE TO MEET THE TYPICAL DETAILS AS PROVIDED IN THESE DETAILS. CONTRACTOR IS TO VERIFY & ASSURE EXISTING SCREEN ENCLOSURE IS STRUCTUALLY SOUND.

LEGEND: (ALL MAY NOT APPLY)

- SCR = SCREEN
 KP = KICK PLATE
 PW = PICTURE WINDOW
 X = HORIZ. SLIDING WINDOW
 O = HORIZ. STATIONARY WINDOW
 DH = DOUBLE HUNG WINDOW
 SH= SINGLE HUNG WINDOW
 SIP = SOLID INSULATED PANEL
 CT = CABLE TIE
 SG = SUPER GUTTER
 CS = CLEAR SPAN
 KB = KNEE BRACE

ALUMINUM MEMBERS DIMENSIONS

- HOLLOW SECTIONS**
 2 x 2: 2"x2"x0.044"
 2 x 3: 2"x3"x0.044"
 2 x 4: 2"x4"x0.044"
 2 x 5: 2"x5"x0.050"

- OPEN BACK SECTIONS**
 1 x 2: 1"x2"x0.044"
 1 x 3: 1"x3"x0.044"

- SNAP SECTIONS**
 2 x 2 SNAP: 2"x2"x0.050"
 2 x 3 SNAP: 2"x3"x0.050"
 2 x 4 SNAP: 2"x4"x0.045"

- SELF MATING (SMB)**
 2 x 4 SMB: 2"x4"x0.044"x0.100"
 2 x 5 SMB: 2"x5"x0.050"x0.100"
 2 x 6 SMB: 2"x6"x0.050"x0.120"
 2 x 7 SMB: 2"x7"x0.057"x0.120"
 2 x 8 SMB: 2"x8"x0.072"x0.124"
 2 x 9 SMB: 2"x9"x0.082"x0.124"
 2 x 10 SMB: 2"x10"x0.092"x0.398"
 NOTE: AS INDICATED ABOVE ALL MEMBER PROFILES ARE INDICATED IN INCHES.

This item has been electronically signed and sealed by Craig E. Gunderson, P.E. on date below 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.

Craig E Gunderson
 Digitally signed by
 Craig E Gunderson
 Date: 2018.07.20
 14:10:32 -04'00'

FLORIDA ENGINEERING LLC
 4456 TAMAMI TRAIL, UNIT B14
 PORT CHARLOTTE, FLORIDA 33980
 (941) 391-5980
 www.flengineeringllc.com

CA CERT. #30782
 PROJECT NO. 1819143

CONTRACTOR:
ACTION ALUMINUM PRODUCTS, INC.

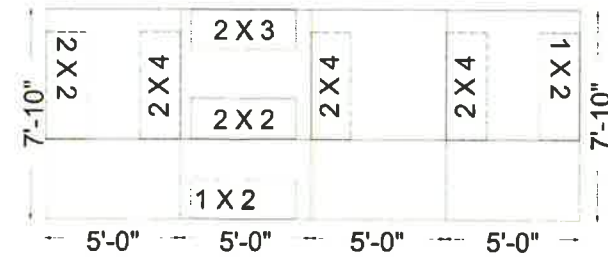
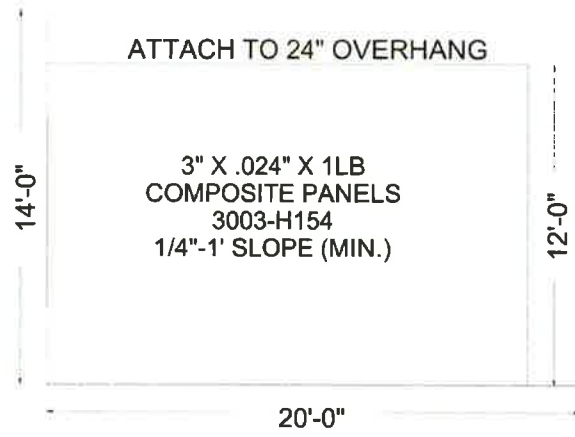
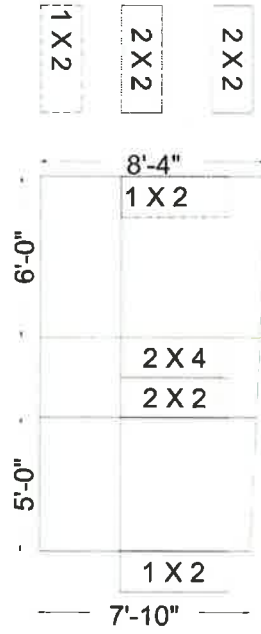
PROJECT ADDRESS:
 SCHAFFER
 3907 QUANDO DR
 BELLE ISLE FL

DESIGN DATE:	07/19/2018
REVISION 1:	DATE PAGE
REVISION 2:	DATE
SCALE:	NTS

1

8-10-18 *[Signature]*
 Reviewed for Code Compliance
 Universal Engineering Sciences

130 MPH EXPOSURE B
 ATTACH TO 24" OVERHANG
 ATTACH TO CONCRETE SLAB



This item has been electronically signed by Craig E. Gunderson on 2018.07.20 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.



Craig E Gunderson
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 Craig E Gunderson
 Date: 2018.07.20
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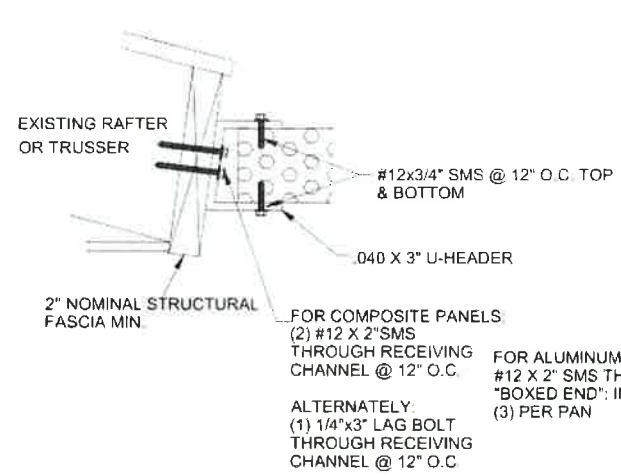
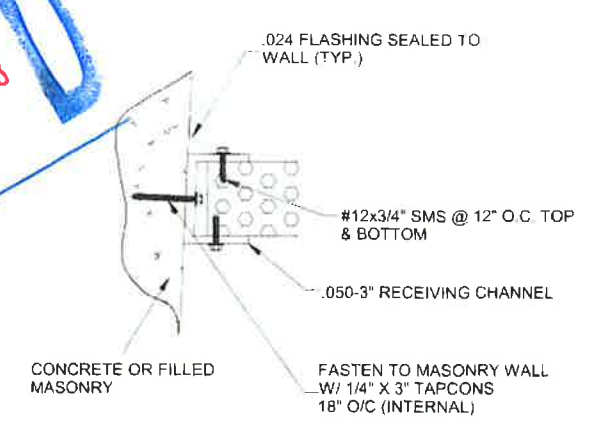
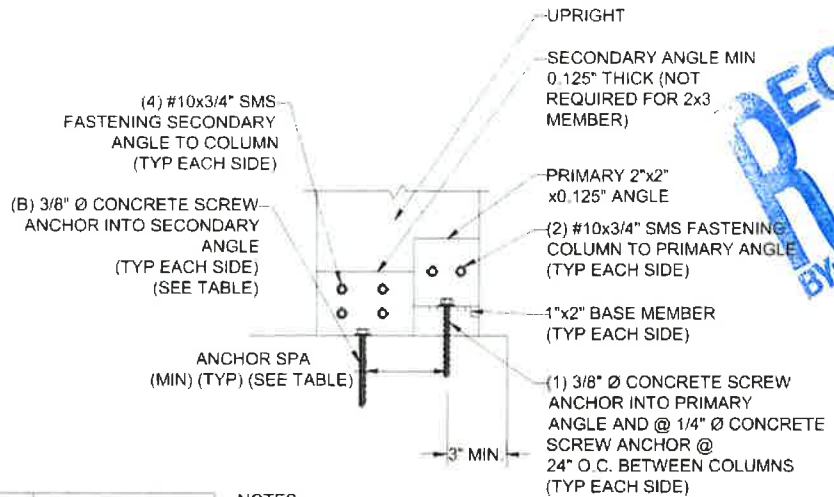
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 PORT CHARLOTTE, FLORIDA 33980
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 CA CERT #30782

ACTION ALUMINUM PRODUCTS, INC.
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 3907 QUANDO DR
 BELLE ISLE FL

DESIGN DATE: 07/19/2018
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 REVISION 2: DATE
 SCALE: NTS **2**



RECEIVED
 BY: **AUG - 9 2018**



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Craig E Gunderson
 Digitally signed by
 Craig E Gunderson
 Date: 2018.07.20 14:11:10 -04'00'

CRAIG E. GUNDERSON
 LICENSE
 No. 60102
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

COLUMN SIZE	3/8" Ø CONCRETE SCREW ANCHOR	
	B	MIN SPA
2X3	0	0
2X4	1	3
2X5	1	3
2X6	1	4
2X7	1	5
2X8	2	3
2X9	2	4
2X10	2	4.5

- NOTES:
1. NUMBER OF ANCHORS "B" IS EACH SIDE INTO THE SECONDARY ANGLE AND DOES NOT INCLUDE THE ANCHOR INTO THE 1X2.
 2. MINIMUM EMBEDMENT OF ANCHORS INTO CONCRETE FOOTING SHALL BE 2 3/4" AT ALL UPRIGHT LOCATIONS. ALL SCREW LENGTH AT UPRIGHT CONNECTIONS SHALL BE OF SUFFICIENT LENGTH FOR REQUIRED EMBEDMENT INTO CONCRETE FOOTING WHEN A PAVER DECK IS PRESENT.
 3. CONCRETE SCREW ANCHOR DESIGNS ARE BASED ON THOSE LISTED ON S-1, D. FASTENERS. OTHER BRAND & TYPE SHALL BE APPROVED BY ENGINEER.
 4. 2X3 W/ 1X2 CORNER POST SHALL REQUIRE SAME BASE CONNECTIONS AS 2X4 SHOWN IN TABLE.
 5. IF FOR AN IN-FILL, TOP OF COLUMN CONNECTIONS SIMILAR IF CONCRETE LINTEL IF WOOD LINTEL SUBSTITUTE 1/4" ØX3" LAG SCREW FOR 3/8" Ø LDT FOR BOTH PRIMARY & SECONDARY ANGLES.
 6. 2X2X.045 DOOR JAMB MEMBER SHALL CONNECT SIMILAR TO 2X3 MEMBER.

ROOF PANEL ATTACHMENT - MASONRY SCALE:NTS

ROOF PANEL ATTACHMENT - WOOD FRAME SCALE:NTS

EXTRUDED FASCIA IS ATTACHED TO 3" INSULATED ROOF WITH #10x1" 6" FROM ENDS 24" O.C.

3" C CHANNEL IS ATTACHED THRU FASCIA INTO RAFTER TAILS WITH #10x2" 6" FROM ENDS 24" O.C. & TO 3" INSULATED ROOF WITH (6) #10x1" PER SIDE

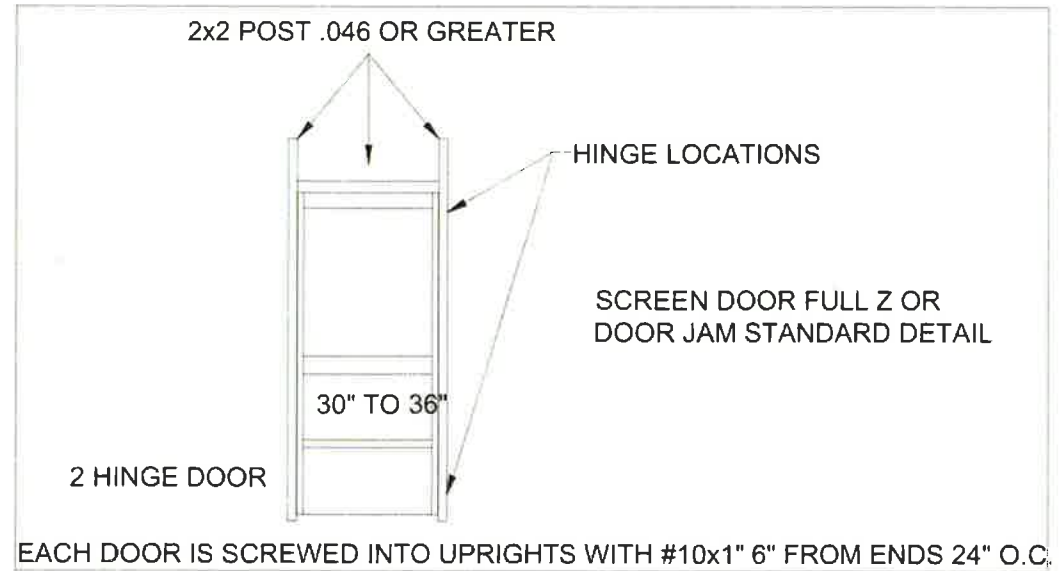
2"x3" OR LARGER UPRIGHT TO CONCRETE W/WO PAVER DETAILS SCALE:NTS

EXTRUDED GUTTER IS ATTACHED TO 3" INSULATED ROOF WITH #10x1" 6" FROM ENDS 24" O.C.
 ROOF IS ATTACHED TO FRONT WALL WITH (4) #10x4" PER PANEL
 2x3 FRONT WALL TOP PLATE

UPRIGHTS ARE ATTACHED WITH:
 BLIND SCREWED WITH (3) #10x3" CAPRI CLIPPED WITH (4) #10x1" PER CLIP
 BLIND CLIPPED WITH (4) #10x1" PER CLIP

3" INSULATED ROOF IS ATTACHED TO ALUMINUM STRUCTURE WITH #10x4" 6" FROM ENDS 24" O.C.

2x3 SIDE WALL TOP PLATE



EACH DOOR IS SCREWED INTO UPRIGHTS WITH #10x1" 6" FROM ENDS 24" O.C.

CHAIR RAIL IS ATTACHED TO UPRIGHTS WITH EITHER:
 BLIND SCREWED WITH (3) #10x3" CAPRI CLIPPED WITH (4) #10x1" PER CLIP
 BLIND CLIPPED WITH (4) #10x1" PER CLIP

1x2 IS ATTACHED TO BLOCK STRUCTURE WITH 2-1/4"x1/4" TAPCONS 6" FROM ENDS 24" O.C.

2x3 SIDE WALL UPRIGHTS

2x2 CHAIR RAIL

UPRIGHTS ARE ATTACHED WITH:
 BLIND SCREWED WITH (3) #10x3" CAPRI CLIPPED WITH (4) #10x1" PER CLIP
 BLIND CLIPPED WITH (4) #10x1" PER CLIP

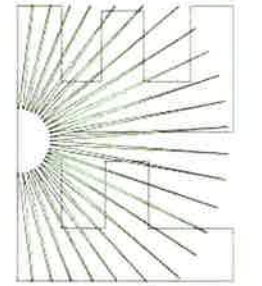
1x2 IS ATTACHED TO CONCRETE WITH 2-1/4"x1/4" TAPCONS (5"x1/4" IF THRU PAVERS) 6" FROM ENDS 24" O.C.

KICK PLATE IS ATTACHED TO STRUCTURE WITH #10x1" 6" FROM ENDS 18" O.C.

2x3 FRONT WALL



FLORIDA ENGINEERING LLC
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ACTION ALUMINUM PRODUCTS, INC.

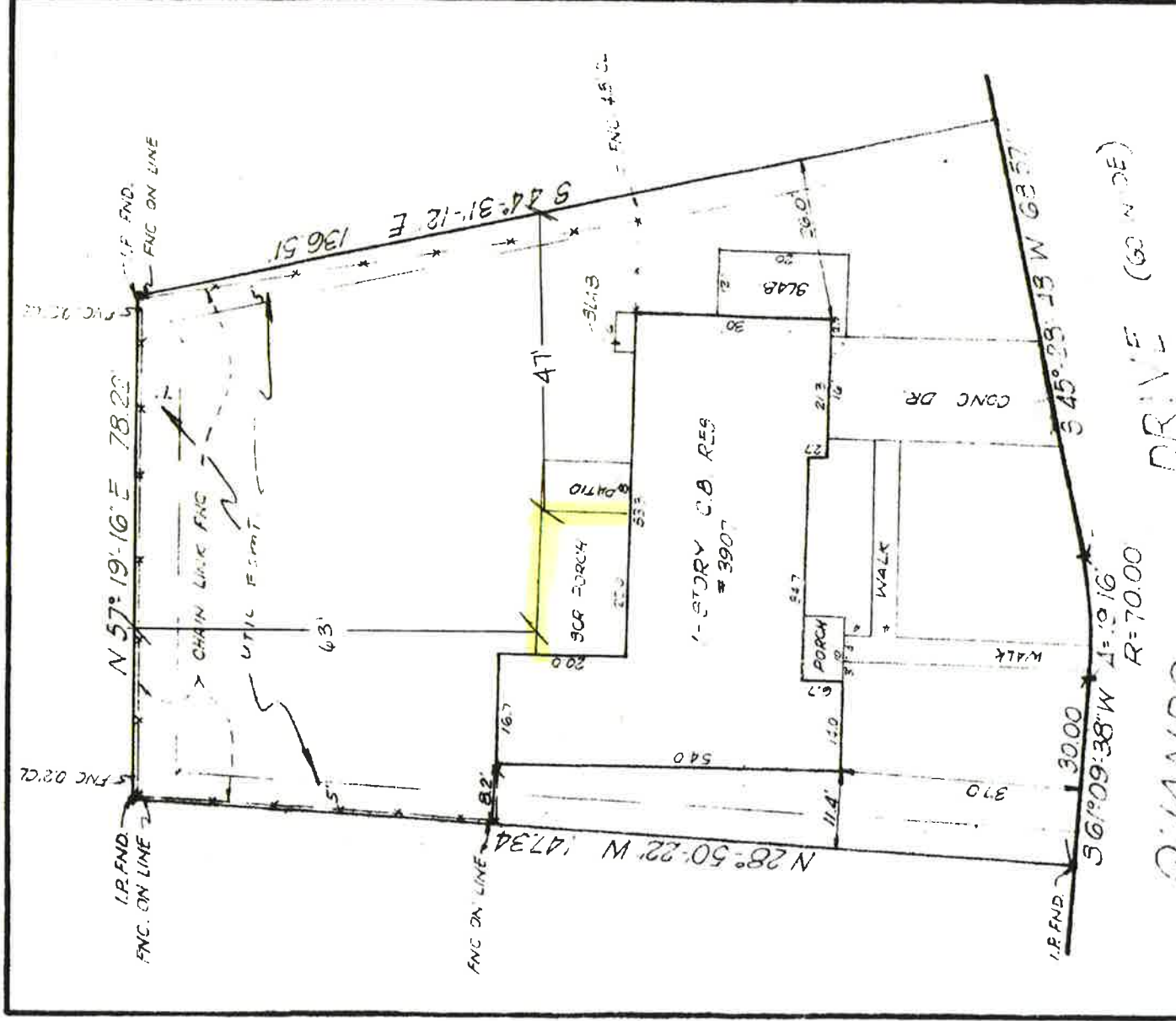
PROJECT ADDRESS:
SCHAFFER
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 BELLE ISLE FL

DESIGN DATE: 07/19/2018
 REVISION 1: DATE
 REVISION 2: DATE
 SCALE: NTS

PAGE:
3

CA CERT. #30782

PROJECT NO. 1819143



Lot 79, Conway East, as per plat thereof as recorded in Plat Book 4, pages 122, 123, Public Records of Orange County, Florida.

For: Robert W. & Billye A. Schafer
 Note: This property is not in a flood prone area.



Reviewed for Code Compliance
 Universal Engineering Sciences

QUANDO DRIVE (60 N DE)

GRUSENMEYER & ASSOCIATES
 SURVEYORS & ENGINEERS
 ORLANDO, FLORIDA

CERTIFIED BY:

[Signature]
 Tom C. Grusenmeyer

REGISTERED FLA LAND SURVEYOR NO. 1542



NORTH

SCALE: 1" = 20'

DATE: 10-9-78

ORDER NO. 1445

[Handwritten signature]

ELITE PANEL SPAN TABLES: 1. Net allowable loads are permitted to be multiplied by 1.67 to derive ultimate loads (psf).

3" x 0.024 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	16.17	15.76	15.03	14.10
20	13.44	13.44	12.22	10.35
30	10.78	10.78	9.41	6.60
40	9.22	9.22	6.60	2.85
50	8.17	8.17	3.79	-
60	7.40	6.39	0.98	-
70	6.81	4.51	-	-
80	6.33	2.64	-	-

3" x 0.032 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	17.50	17.50	16.91	15.96
20	16.64	15.96	14.06	12.16
30	15.17	14.06	11.21	8.36
40	13.69	12.16	8.36	4.56
50	12.22	10.26	5.51	0.76
60	10.75	8.36	2.66	-
70	9.27	6.46	-	-
80	7.80	4.56	-	-

3" x 0.024 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	19.33	18.95	18.31	17.66
20	18.11	17.66	16.36	15.06
30	16.80	16.36	14.41	12.46
40	15.49	15.06	12.46	9.86
50	14.18	13.76	10.51	7.26
60	12.87	12.46	8.57	4.67
70	11.57	11.16	6.62	2.07
80	10.26	9.86	4.67	-

3" x 0.030 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	20.11	20.03	19.42	18.81
20	19.02	18.81	17.58	16.35
30	17.93	17.58	15.73	13.89
40	16.83	16.35	13.89	11.43
50	15.74	15.12	12.05	8.97
60	14.64	13.89	10.21	6.52
70	13.55	12.66	8.36	4.06
80	12.46	11.43	6.52	1.60

4" x 0.024 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	19.00	19.00	17.17	16.53
20	15.01	15.01	15.01	13.95
30	12.50	12.50	12.50	11.38
40	10.97	10.97	10.97	8.80
50	9.92	9.92	9.44	6.22
60	9.13	9.13	7.51	3.64
70	8.52	8.52	5.58	1.07
80	8.02	8.02	3.64	-

4" x 0.032 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	20.50	20.50	20.11	19.24
20	19.61	19.24	17.49	15.74
30	18.17	17.49	14.87	12.24
40	16.72	15.74	12.24	8.74
50	15.28	13.99	9.62	5.25
60	13.84	12.24	7.00	1.75
70	12.40	10.49	4.38	-
80	10.95	8.74	1.75	-

4" x 0.024 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	21.97	21.97	21.52	20.97
20	20.77	20.77	19.86	18.76
30	19.57	19.57	18.21	16.55
40	18.36	18.36	16.55	14.34
50	17.16	17.16	14.89	12.13
60	15.96	15.96	13.24	9.93
70	14.75	14.75	11.58	7.72
80	13.55	13.55	9.93	5.51

4" x 0.030 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	24.17	24.17	24.17	24.17
20	23.64	23.64	23.41	23.11
30	22.57	22.57	21.90	21.01
40	21.51	21.51	20.39	18.91
50	20.45	20.45	18.88	16.80
60	19.39	19.39	17.37	14.70
70	18.33	18.33	15.86	12.59
80	17.26	17.26	14.35	10.49

6" x 0.024 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	23.00	21.24	21.47	20.85
20	18.06	18.06	18.06	18.06
30	15.13	15.13	15.13	15.13
40	13.34	13.34	13.34	13.34
50	12.10	12.10	12.10	10.91
60	11.17	11.17	11.17	8.43
70	10.44	10.44	10.30	5.95
80	9.85	9.85	8.43	3.47

6" x 0.032 x 1 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	24.00	24.00	24.00	23.42
20	23.34	23.21	21.82	20.22
30	22.10	21.63	19.42	17.02
40	20.86	20.05	17.02	13.82
50	19.62	18.47	14.62	10.62
60	18.38	16.89	12.22	7.42
70	17.14	15.30	9.82	4.22
80	15.91	13.72	7.42	1.02

6" x 0.024 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

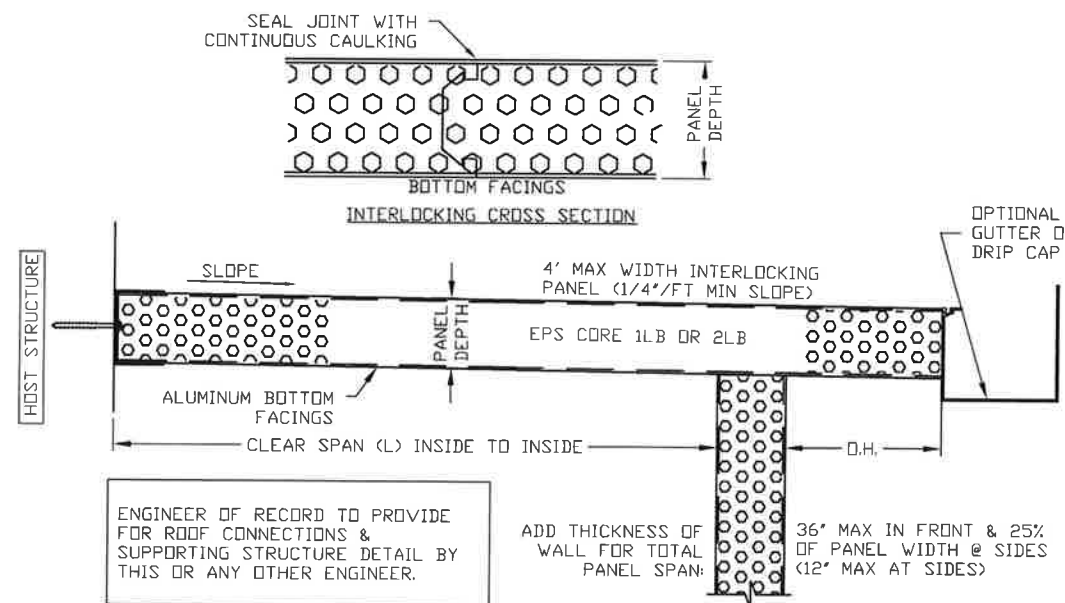
NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	23.93	23.93	23.88	23.60
20	23.20	23.20	23.03	22.46
30	22.47	22.47	22.18	21.33
40	21.75	21.75	21.33	20.20
50	21.02	21.02	20.49	19.07
60	20.29	20.29	19.64	17.94
70	19.57	19.57	18.79	16.81
80	18.84	18.84	17.94	15.68

6" x 0.030 x 2 - LB EPS PANELS
(ALLOWABLE CLEAR SPAN CHARTS)

NET ALLOWABLE LOAD (PSF) ¹	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	24.00	24.00	24.00	23.84
20	23.65	23.65	23.34	22.84
30	22.94	22.94	22.59	21.85
40	22.23	22.23	21.85	20.85
50	21.53	21.53	21.10	19.86
60	20.82	20.82	20.36	18.87
70	20.11	20.11	19.61	17.87
80	19.40	19.40	18.87	16.88

GENERAL NOTES

- Composite panels shall be constructed using type 3003-H154 aluminum facings, 1 or 2 PCF ASTM C-578 carpenter brand EPS adhere to aluminum facings with Ashland Chemical 2020D ISO grip. Fabrication to be by Elite panel products only in accordance with approved fabrication methods.
- Elite roof panels maintain a UL 1715 (int) class 'B' (ext) rating and are NER-501 approved.
- This specification has been designed and shall be fabricated in accordance with the requirements of the Florida Building Code 6th Edition (FBC), composite panels comply with Chapter 7 Section 720, Chapter 8 Section 803, Class A interior finish, and Chapter 26 Section 2603. All local building code amendments shall be adhered to as required.
- The designer shall determine by accepted engineering practice the allowable loads for site specific load conditions (including load combinations) using the data from the allowable loads tables and spans in this approval.
- Deflection limits and allowable spans have been listed to meet FBC including the HVHZ. In HVHZ, this product shall be used in structures "not to be considered living areas" per Section 1616 unless impact resistance in accordance to the HVHZ requirements are met.
- Safety factor of 2.0 has been used to develop allowable loads and spans from testing in accordance to the Guidelines for Aluminum Structures Part 1 and conforms to the FBC Chapter 16 and 20.
- Testing has been conducted in accordance to ASTM E72-05: Strength Test of Panels for Building Construction.
- Reference test reports: HETI-05-1988, HETI-06-2104, HETI-06-2066, HETI-06-2105, HETI-06-2067, HETI-05-1002, HETI-06-2107, HETI-05-1987, HETI-06-2069, HETI-06-2070, HETI-06-2071, HETI-05-1994, HETI-05-1991, HETI-06-2072, HETI-06-2073, HETI-06-2074, HETI-05-1996, HETI-05-1989, HETI-05-1993, HETI-05-1985, HETI-05-1995, HETI-05-1990, HETI-05-1997, HETI-05-2037, HETI-05-2029, HETI-05-2039, HETI-05-2030, HETI-05-2041, HETI-05-2048, HETI-05-2036, HETI-05-2031, HETI-05-2038, HETI-05-2065, HETI-05-2040, HETI-05-2042.
- Linear interpolation shall be allowed for figures within the tables shown.
- Panels with fan beams shall be considered equivalent to similar panels without fan beams. Design professionals may include the strength of the fan beam to exceed shown figures as part of site-specific engineering.



EPS ROOF PANEL/ SPAN DESCRIPTION

DO KIM
& ASSOCIATES, LLC

CONSULTING
STRUCTURAL
ENGINEERS

PO BOX 10039
Tampa, FL 33679
Tel: (813) 857-9955

Rev./Date	Description
0/8/12	ISSUED FOR FBC 6th Edition PRODUCT APPROVAL
1/12/12	
2/12/12	
3/12/12	
4/12/12	
5/12/12	

Elite Aluminum Corporation
4650 Lyons Technology Parkway
Coconut Creek, FL 33073

EPS FOAM CORE COMPOSITE PANELS
ALUMINUM/ALUMINUM SKIN
FLORIDA STATEWIDE PRODUCT APPROVAL

DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	2/19/12

DO Y. KIM
LICENSE
DO YEON KIM, P.E.
FLA. REG. NUMBER 49497

DO KIM & ASSOCIATES, LLC
CA# 26887
PO BOX 10039
Tampa, FL 33679

This item has been electronically signed and sealed by Do Y. Kim, PE on this date 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.
2017.08.16 10:23:50 -0400

Drawing No. - FL-1001

Scott Randolph, Tax Collector

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.

2017 EXPIRES 9/30/2018 1801-0000073
1801 CONTR-GENERAL \$30.00 1 EMPLOYEE ; 5000 BUSINESS OFFICE \$40.00 15 EMPLOYEE ;

TOTAL TAX \$70.00
PREVIOUSLY PAID \$70.00
TOTAL DUE \$0.00

JOHNS DAVID ALAN QUALIFIER

ACTION ALUMINUM PRODUCTS INC
JOHNS DAVID ALAN
PO BOX 560724
ORLANDO FL 32856-0724

605 TAFT VINELAND RD
U - ORLANDO, 32824

PAID: \$70.00 0099-00788080 7/27/2017

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TOTAL TAX \$70.00
PREVIOUSLY PAID \$70.00
TOTAL DUE \$0.00

JOHNS DAVID ALAN QUALIFIER

ACTION ALUMINUM PRODUCTS INC
JOHNS DAVID ALAN
PO BOX 560724
ORLANDO FL 32856-0724

605 TAFT VINELAND RD
U - ORLANDO, 32824

PAID: \$70.00 0099-00788080 7/27/2017

This receipt is official when validated by the Tax Collector

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

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

LICENSE NUMBER	
CGC053605	

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018



JOHNS, DAVID ALLAN
ACTION ALUMINUM PRODUCTS INC
1215 PINE AVENUE
ORLANDO FL 32824



