



City of Belle Isle Job Site Permit Card

BUILDING 2022-03-022

Class: Residential

Site Address: 6517 Cay Cir. Belle Isle, FL. 32809

Parcel Number: 24-23-29-0600-01-170

Municipality: Belle Isle

Description of Work: New aluminum pergola w/insulated roof attached to entry of exit SFR
Comments: SEE APPLICATION

Issued: Asterion Properties LLC - Kleppe, Barbara
License # CGC1529367
Contact # 321-444-8739

Payment/ Issued Date & Method: 4 / 4 / 2022

Picked up by Forwarded to the mailing address Emailed
Checked: Visa Master Card Amex Discover Check / Money Order #

3083

SEPARATE PERMITS WILL BE REQUIRED FOR ALL SUB-WORK - PERMIT MUST BE POSTED ON SITE

If needed for the inspection - OSHA approved ladder/access must be provided.

Table with 4 columns: INSPECTOR, DATE, COMMENTS, and a list of construction items from 100 Demo Final to 260 Other.

To schedule your inspection(s), please visit our website:
http://uesbidportal.uesorl.com/citizenportal/
Please follow the prompts to schedule your inspection.

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

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.



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
APR 01 2022
BLDG APP
4-1-22

Building / Land Use Permit Application

DATE: FEB 23 2022
DROP OFF

PERMIT # 2022-03-022

PROJECT ADDRESS 6517 Cay Cir

Belle Isle, FL X 32809 32812

PROPERTY OWNER Christopher M Comins Revocable Trust PHONE (407) 948-6521 VALUE OF WORK (labor & material) \$ 5,000.00

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

NEW ALUMINUM PERGOLA W/ INSULATED ROOF ATTACHED TO ENTRY OF EXIST SFR

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: 24-23-29-0600-01-170

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 X C D

SPRINKLERS REQ'D	Y	N	
If Required - SUBMIT COPY OF PLANS FOR FIRE REVIEW			RCB
ZONING	<u>Y</u>	N	\$ <u>30.5</u>
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	\$ <u>61.50</u>
BUILDING	<u>Y</u>	N	\$
WINDOW(S)	Y	N	\$
DOOR(S)	Y	N	\$
FENCE	Y	N	\$
SHED	Y	N	\$
DRIVEWAY	Y	N	\$
OTHER	Y	N	\$

PLANNING & ZONING APPROVAL:

DATE 3/7/22 BY: [Signature]
CITY OF BELLE ISLE

PLEASE COMPLETE for Building Review (min. of 2 sets of signed/sealed plans required)

CONSTRUCTION TYPE _____

OCCUPANCY GROUP _____ Comm Res: X Single Fam X Multi Fam

#BLDG. _____ #UNITS _____ #STORIES _____ TOTAL SQ.FT. _____

MAX. FLOOR LOAD _____ MAX. OCCUPANCY _____

MIN. FLOOD ELEV. _____ LOW FLOOR ELEV. _____

WATER SERVICE X WELL _____ SEPTIC _____

BUILDING REVIEWER Dave Abbruto WD 2072253 DATE 3-31-22

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE [Signature] DATE 4-1-22

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."

JJ's Waste & Recycling 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 JJ's Waste & Recycling at 407 298-3932 setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from JJ's Waste & Recycling. 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.

1511K
424
25
16
41.50
20.50
62.00

1% BCAIB FEE 2 min

1.5% DCA FEE 2 min

TOTAL \$ 95.50

OTHER PERMITS REQUIRED:

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

PAID
4-1-22

USA 3086



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

FEB 23 2022

Building Permit (Land Use) Application

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

PERMIT # 2022-03-022

Owner's Name Christopher M Comins Revocable Trust
 Owner's Address 6517 Cay Cir, Belle Isle - FL 32809

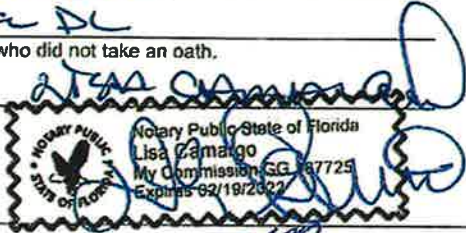
Contractor Name <u>Barbara Kleppe</u>	Company Name <u>Asterion Properties LLC</u>
License # <u>CGC1529367</u>	Company Address <u>181 N Phelps Ave</u>
Contact Phone/Cell <u>321-444-8739</u>	City, State, ZIP <u>Winter Park - FL 32789</u>
Contact Email <u>cg1529367@gmail.com</u>	Contact Fax

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 [Signature]
 The foregoing instrument was acknowledged before me this 02/10/22
 by CHRISTOPHER M.C. who is personally known to me
 and who produced A DL
 as identification and who did not take an oath.
 Notary as to Owner
 State of Florida
 County of Orange



Contractor Signature [Signature]
 COMPANY NAME ASTERION PROPERTIES LLC
 The foregoing instrument was acknowledged before me this 2/23/22
 by BARBARA KLEPPE who is personally known to me
 and who produced Driver 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 28,628 X 0.35 =
 Allowable Impervious Area (BASE) 10,019.8
- 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 3,437 (EXIST)
 - Driveway 4,436 (EXIST + ADD - SEPARATE PERMIT)
 - Walkway 2,044 (EXIST)
 - Accessory Buildings —
 - Pool & Spa —
 - Deck & Patio —
 - Other 75 SF (NEW PERCOLA)
 Actual Impervious Area (AIA) 9,992 SF
- 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. = 27.8 SF
- 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: 2022-03-022
Folio/Parcel Identification Number: 24-23-29-0600-01-170
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)
BELLE ISLE ESTATES L/58 LOT 17 BLK A & BEG NLY MOST COR LOT 18 BLK A RUN S 51 DEG E 194 FT ML TO LAKE CONWAY TH NELY ALONG WATER 12 FT ML TH N 53 DEG W 191 FT TO POB SEE 2804/1747
- General description of improvement**
Aluminum Pergola at entry of the house
- Owner information or Lessee information if the Lessee contracted for the improvement**
Name Christopher M Comins Revocable Trust
Address 6517 Cay Cir, Belle Isle - FL 32809
Interest in Property _____
Name and address of fee simple titleholder (if different from Owner listed above)
Name _____
Address _____
- Contractor**
Name ASTERION PROPERTIES LLC (Barbara Kleppe) Telephone Number 3214448739
Address 181 N Phelps Ave, Winter Park - FL32789
- Surety** (if applicable, a copy of the payment bond is attached)
Name _____ 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.

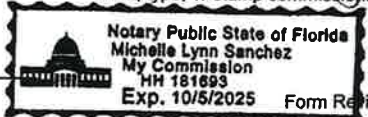
Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated in it are true to the best of my knowledge and belief.

Christopher M Comins
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager _____ Signatory's Title/Office _____

The foregoing instrument was acknowledged before me this 3 day of 02/22 by Christopher Comins
as Owner for Greenview
Type of authority, e.g., officer, trustee, attorney in fact _____ Name of party on behalf of whom instrument was executed _____

Signature of Notary Public - State of Florida _____
Print, type, or stamp commissioned name of Notary Public Michelle L Sanchez

Personally Known _____ OR Produced ID X
Type of ID Produced FL D.L



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 CONTROLLER
BY: Phil Diamond D.C.
DATED: 02-23-22





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



POWER OF ATTORNEY

Date: 02/23/2022

Permit #: _____

I hereby name and appoint MARIANA UOIA of _____
(print name)

Greenview Outdoor Solutions LLC to be my lawful attorney-in-fact to act for
(company name)

me and apply to the City of Belle Isle Building Department for a building (pergola) permit
(type of permit)

for work to be performed at the following location:

6517 Cay Cir, Belle Isle, Belle Isle, FL 32809 32812 and
(street address)

to sign my name and do all things necessary to this appointment.

Certified Contractor's Printed Name: Barbara Kleppe

License Number: CQC 1529367

Certified Contractor's Signature: [Signature]

.....
The foregoing instrument was acknowledged before me this 23rd days of Feb of 2022

by BARBARA KLEPPE who is personally known to me or who produced
A Driver License as identification and who did not take an oath.

State of Florida
County of Orange
[Signature]

Notary Public, Orange County, Florida

(seal)



General Notes & Design Standards

(Pergola)

The following are general design standards. More stringent design standards may be noted on the plans. In the event of a conflict in plans and/or design standard dimensions and/or member sizes, the contractor must utilize the more stringent dimensions and/or member sizes prior to ordering materials, fabrication and/or construction.

Design Codes:

Florida Building Code 2020 (7th Edition)
Aluminum Design Manual 2020
ASCE 7-16

Design Loads:

Pursuant to FBC Chapters 16 & 20
Ultimate Wind: -130 MPH (FBC Table 2002.4) (35 psf)
Risk Category:-See attach site specific plan sheet (FBC Table 1604.5)
Exposure Category: -See attach site specific plan sheet (FBC 1609.4.3)

Additional Load requirements:

Structural members supporting screened enclosures are designed for wind in both of two orthogonal directions using the pressures given in Table 2002.4. Each primary member is also designed for a 300 pound load applied vertically downward along any 1 foot of any member, not occurring simultaneously with wind load. In addition to wind pressures, purlins is also be designed for a 200 pound load applied vertically downward along any 1 foot of any member, not occurring simultaneously with wind load.

Design Basis:

Allowable Stress Design (ASD) = Allowable Strength Design (ASD) divide by safety factor



Reviewed for Code
Compliance
Universal Engineering
Sciences

General Requirements:

Reproductions of contract drawings by contractor in lieu of preparation of shop drawings signifies acceptance of information shown as correct and obligates himself to any expense, real or implied, arising from their use.

A change to the structural drawings due to the acceptance of alternates and/or substitutes is the responsibility of the contractor and must be submitted to the engineer for approval.

The general contractor and each subcontractor shall review the approve construction plans in its entirety and verify all existing conditions prior to the start of any work. All inconsistencies shall be reported to the designer and/or structural engineer, if needed. Should contractor construct the premises in a fashion not consistent with the plans prepared by the designer and/or structural engineer, or in any fashion, change the plans and drawing without the review and approval from the designer and/or structural engineer. Then designer and/or structural engineer shall bear no responsibility or liability for the construction of premises and accuracy of the drawings.

Foundation and Earthwork:

Applicable only when unsuitable soils are encountered.

When unsuitable soils are encountered as specified bearing strata, notify owner's representative/engineer.

Soil bearing capacity – 2,000 psf Minimum

Provide neat excavation for footing and place concrete immediately after excavation and inspection.

Pump water from footing excavation if greater than one inch.

Compact all fill to 95% ASTM D698 density.

Unit soil weight = 105 pcf

Internal angle of friction = 30 degrees

Coeff. Of friction between footing and soil = 0.5



Handwritten signature

Structural Aluminum:

Conform to latest edition of Florida Building Code and Aluminum Design Manual standard practice for aluminum design.

All aluminum shall be 6005-T5 (E= 10,000 ksi; Fy = 35 ksi) with a minimum wall thickness of 0.046"

Splicing prohibited without prior approval as to location and type.

Burning of holes in aluminum members is prohibited. Any member with burned holes must be replaced.

Aluminum Protection:

Shall be pursuant FBC 2003.8.4. Aluminum surfaces in contact with dissimilar materials, lime-mortar, concrete, or other masonry materials, shall be protected with powder coated or ESP paint or alkali-resistant coatings, such as heavy-bodied bituminous paint or water-white methacrylate lacquer.

Screws:

Aluminum self-tapping screws shall conform to ASME B18.6.4 specification.

Self-tapping screws shall meet the requirements of ADM J.5

Maximum fastener spacing shall not exceed $(3+20t)$ where "t" is the member thickness in inches.

For roofing and siding connection, use minimum #12 screws for end and side laps spaced at 12" max for side lap and end lap fasteners shall be no more than 2" from the end of overlapping sheets.

For bottom plate and column base, secure with 1/4" tapcons a minimum embedment of 1 1/8" and 2 1/4" respectively into concrete footer.

Bolts:

Bolts and other fasteners shall be aluminum, stainless steel, hot-dip or electro-galvanized steel. Double cadmium plated steel bolts may also be used. Bolt holes diameter shall not exceed 1/16" larger than the bolt diameter and shall be spaced at a minimum of 2.5 times the bolt diameter with minimum edge distance of 1.5 times the bolt diameter.

Bolts shall meet the requirements of ADM J.3

Concrete:

Conform to ACI 318, latest edition and ACI 301

Compressive Ultimate Strength (Minimum at 28 days) shall be 3000 psi

Exposed chamfer edges shall be 3/4"

Reinforcing Steel:

Conform to ACI 318 and 315, Latest edition

All reinforcement steel shall be ASTM A615 Grade 60.

Smooth dowels & ties shall be ASTM A185

Welded Wire Fabric shall be ASTM A185 or A82 (Flat sheet).

Deformed bar anchors shall be ASTM A496, Grade 70

Cover: Footing 3"

Washer:

Washers shall be used under bolt heads and under nuts.

Hole Alignment:

Poor matching holes must be rejected. Contractor shall prevent holes from drifting and distort the metal. All chips and foreign matter between contacting surfaces shall be removed before assembly.



Beams & Uprights:

In the event of a conflict with the values in this table and the site specific plan, the contractor must utilize the more stringent dimensions and/or member sizes between the site specific plan and the below applicable span limitations prior to ordering materials, fabrication and/or construction.

130 MPH					
PRIMARY HEADER BEAM MEMBERS-OPEN PERGOLA-(No Screen Insert)					
SIZE	Maximum Roof Span = 6'-0"	Maximum Roof Span = 8'-0"	Maximum Roof Span = 10'-0"	Maximum Roof Span = 12'-0"	Maximum Roof Span = 15'-0"
2 X 4	10'-0"	9'-0"	9'-0"	8'-0"	8'-0"
2 X 5	13'-0"	12'-0"	11'-0"	10'-0"	9'-0"
2 X 6	15'-0"	14'-0"	13'-0"	12'-0"	11'-0"
2 X 7	17'-0"	16'-0"	14'-0"	14'-0"	13'-0"
2 X 8	21'-0"	20'-0"	18'-0"	17'-0"	16'-0"
2 X 9	21'-0" *	20'-0" *	20'-0"	20'-0"	19'-0"
2 X 10	21'-0" *	20'-0" *	20'-0" *	20'-0" *	19'-0" *

Column size is 3 x 3 x 0.125" (1/8") unless noted otherwise with a max height of 9'-0" -(CSR) control < 1.0. Larger span req larger column size.

Knee Bracing:

Contractor shall provide knee bracing on 45 degree angle pursuant the attach detail sheet that specified size and length requirements. Knee bracing on upright above super gutter intersection shall be connected to upright no more than 6" above the super gutter. Knee brace size shall be a minimum of 2 x 2 for beam span of 15' max; 2 x 3 for 30' max; 2 x 4 for beam span greater than 30'.

Intermediate/Header Beam:

Contractor is required to install a minimum 2 x 7 intermediate header beam supported with 3 x 3 column spaced at 10 feet (max) when insulated roof span exceeds 15 feet.

Edge Distance:

Contractor is required to install uprights to provide a 2" minimum clearance from edge of slab and/or footer.





3532 Maggie Blvd, Orlando, FL 32811 - P: 407-581-8161 - F: 407.423.3106

Work Order No. 2072253

Project No: 0115.1400467.0000-0115-0009 **Date:** 03/30/2022
Project Name: 2022-03-022 bldg front pergola permit aluminum wth insulated roof panel **Permitting Authority:** Belle Isle
Address: City of Belle Isle, 6517 Cay Circle - COBI, Belle Isle, FL 32809
Permit Type: Building **Client:** City of Belle Isle, FL
Permit No: 2022-03-022 **Contact:**
Inspection Type: Building
Sub Type: Initial Plans Review
Result: *Approved @RM 03-31-22*

I hereby affirm that to the best of my knowledge and belief, the above listed inspection was performed as indicated and the work was reviewed for compliance with the approved plans, and all pertinent sections of the Florida Building Code.

Duly Authorized Representative:



3532 Maggie Blvd, Orlando, FL 32811 - P: 407-581-8161 - F: 407.423.3106

Work Order No. 2072253

Project No: 0115.1400467.0000-0115-0009 **Date:** 03/30/2022

Project Name: 2022-03-022 bldg front pergola permit
aluminum wth insulated roof panel **Permitting Authority:** Belle Isle

Address: City of Belle Isle, 6517 Cay Circle - COBI,
Belle Isle, FL 32809

Permit Type: Building **Client:** City of Belle Isle, FL

Permit No: 2022-03-022 **Contact:**

Inspection Type: Building

Sub Type: Initial Plans Review

Result: **Approved**

I hereby affirm that to the best of my knowledge and belief, the above listed inspection was performed as indicated and the work was reviewed for compliance with the approved plans, and all pertinent sections of the Florida Building Code.

Duly Authorized Representative:

David J. Aldrich



City of Belle Isle

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



Product Approval Form

DATE: 02/23/2022

PERMIT # _____

PROJECT ADDRESS 6517 Cay Cir, Belle Isle, 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:

- NOTE:** 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 #
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	7561.1	FL#7561-R5
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 2/23/22



Product Approval
USER: Public User

Product Approval Home > Product for Single-Story Homes > Application List

Search Criteria

[Refine Search](#)

Code Version	2020	FL#	ALL
Application Type	ALL	Product Manufacturer	Elite Aluminum Corporation
Category	Roofing	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL7621-RS History	Revision	Elite Aluminum Corporation Category: Roofing Subcategory: Products Introduced as a Result of New Technology	James L. Buckner, P.E. @ CBUCK Engineering (561) 491-9927	Approved
FL7621-RS History	Revision	Elite Aluminum Corporation Category: Roofing Subcategory: Products Introduced as a Result of New Technology	Troy Bishop, P.E. (954) 947-0880	Approved

*Approved by DSPR, Approvals by DSPR shall be re-issued and ratified by the FDC and/or the Commission if necessary.

Contact Us :: Mail: Mail Stop Road, Tallahassee, FL 32399 Phone: 850-997-1824

The State of Florida is an AA/EEO employer. Copyright 2007-2018 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 800.487.1395. 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 email provided may be used for official communication with the licensee. However, email addresses are public records. 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





Product Approval
USER: Public User

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

FL # **FL7561-R5**
 Application Type **Revision**
 Code Version **2020**
 Application Status **Approved**

Comments
 Archived

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
 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 **12/31/2023**
 Validated By **James L. Buckner, P.E. © CBUCK Engineering
 Validation Checklist - Hardcopy Received**

Certificate of Independence **[FL7561_R5_COI_certificate_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 **08/06/2020**
 Date Validated **08/07/2020**
 Date Pending FBC Approval **08/19/2020**
 Date Approved **10/13/2020**

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 Others: 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_RS_IL_2020_FBC-Elite Aluminum Core Install Dwg.pdf Verified By: Do Kim, P.E. PE 49497 Created by Independent Third Party: Yes Evaluation Reports FL7561_RS_AE_FL_7561_Evaluation Report-2020 FBC.pdf Created by Independent Third Party: Yes



Contact Us :: 201 E. State Street Tallahassee FL 32309 Phone: 850-487-1624

The State of Florida is an AA/EEO employer. [Privacy Statement](#) :: [Accessibility Statement](#) :: [Religious Statement](#)

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this web site. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850-487-1200. *Pursuant to section 408.22(3), Florida Statute, effective October 1, 2012, licenses licensed under Chapter 450, F.S., must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However, email addresses are public records. 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 450, F.S., please click [here](#).



Credit Card
Safe



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)	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)	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	14.86	11.21	8.36
40	13.69	12.16	8.36	4.56
50	12.22	10.26	5.51	0.76
60	10.78	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)	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	15.66
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	11.56	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)	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	16.33
30	17.93	17.58	15.73	13.89
40	16.83	16.33	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)	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	13.01	12.95
30	12.90	12.90	10.97	11.38
40	10.97	10.97	8.80	8.80
50	9.92	9.92	6.62	6.62
60	9.13	9.13	7.21	6.64
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)	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	15.88	13.99	9.62	5.25
60	13.84	12.24	7.00	1.75
70	12.40	10.49	4.58	-
80	10.95	8.74	1.75	-

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

6" x 0.024 x 1 - LB EPS PANELS (ALLOWABLE CLEAR SPAN CHARTS)				
NET ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	23.00	23.00	21.82	21.42
20	20.50	20.50	17.49	15.74
30	18.17	17.49	14.87	12.24
40	16.72	15.74	12.24	8.74
50	15.88	13.99	9.62	5.25
60	13.84	12.24	7.00	1.75
70	12.40	10.49	4.58	-
80	10.95	8.74	1.75	-

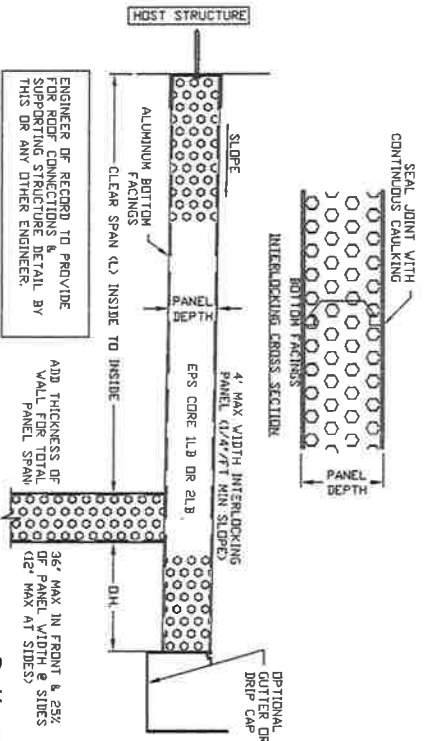
6" x 0.032 x 1 - LB EPS PANELS (ALLOWABLE CLEAR SPAN CHARTS)				
NET ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	24.50	24.50	23.01	22.42
20	22.00	22.00	18.68	16.92
30	19.50	19.50	14.35	12.42
40	17.00	17.00	9.92	7.92
50	15.50	15.50	7.42	4.42
60	14.00	13.20	4.92	1.92
70	12.50	11.70	2.42	-
80	11.00	9.20	-	-

6" x 0.024 x 2 - LB EPS PANELS (ALLOWABLE CLEAR SPAN CHARTS)				
NET ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	26.00	26.00	24.82	24.42
20	23.50	23.50	20.49	18.92
30	21.00	21.00	16.16	14.42
40	18.50	18.50	11.79	9.92
50	16.50	16.50	9.22	7.42
60	14.50	14.50	6.62	4.92
70	12.50	12.50	4.02	2.42
80	11.00	9.42	1.92	-

6" x 0.030 x 2 - LB EPS PANELS (ALLOWABLE CLEAR SPAN CHARTS)				
NET ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE SPAN (FT)			
	L/80	L/120	L/180	L/240
10	27.00	27.00	25.82	25.42
20	24.50	24.50	21.49	20.92
30	22.00	22.00	17.16	16.42
40	19.50	19.50	12.79	11.92
50	17.00	17.00	10.42	9.42
60	15.00	15.00	7.82	6.92
70	13.00	13.00	5.22	4.42
80	11.50	10.42	2.72	1.92

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 grp. 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 7th 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 load 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: Strength Test of Panels for Building Construction.
- Reference test reports: HET1-05-1988, HET1-06-2104, HET1-06-2066, HET1-06-2105, HET1-06-2067, HET1-05-1002, HET1-06-2107, HET1-05-1987, HET1-06-2069, HET1-06-2070, HET1-06-2071, HET1-05-1994, HET1-05-1991, HET1-06-2072, HET1-06-2073, HET1-06-2074, HET1-05-1996, HET1-05-1989, HET1-05-1993, HET1-05-1985, HET1-05-1995, HET1-05-1990, HET1-05-1997, HET1-05-2037, HET1-05-2029, HET1-05-2039, HET1-05-2030, HET1-05-2041, HET1-05-2048, HET1-05-2036, HET1-05-2031, HET1-05-2038, HET1-05-2065, HET1-05-2040, HET1-05-2042.
- 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 beams to exceed shown figures as part of site-specific engineering.



ENGINEER OF RECORD TO PROVIDE FOR ROOF CONNECTIONS & DETAIL BY SUPPORTING STRUCTURE & DETAIL BY THIS OR ANY OTHER ENGINEER.

ADD THICKNESS OF WALL FOR TOTAL PANEL SPAN

36" MAX IN FRONT & 25% OF PANEL WIDTH @ SIDES (2" MAX AT SIDES)

Do Y
Kim

DO KIM & ASSOCIATES, LLC
CONSULTING STRUCTURAL ENGINEERS

Florida Board of Engineers Certificate of Authorization No. 26887

Product Evaluation Report

Date: August 8, 2020

Report No.: FL# 7561-R5

Product Category: Roofing

Product sub-category: Products Introduced as a Result of New Technology

Product Name: EPS Foam Core w/ Aluminum Skin Composite Panels

Manufacturer: Elite Aluminum Corporation
4650 Lyons Technology Parkway
Coconut Creek, FL 33073
Phone: 800-421-0682

Scope:

This product evaluation report issued by Do Kim and Associates, LLC and Do Kim, P.E. for Elite Aluminum Corporation is based on Florida Department of Business and Professional Regulation Rule 61G20-3.005 (2) Method 2 (b) of the State of Florida Product Approval. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or updates.

Do Kim and Associates, LLC and Do Kim, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code, 7th Edition (FBC) and where pressure and deflection requirements, as determined by Chapter 16 of the Florida Building Code, do not exceed the design pressures as shown on the approval.



This seal has been digitally signed and sealed by Do Y. Kim on the 08/08/2020 at 13:53:18. Printed copies of this information are not considered genuine and the seal must be verified on any electronic files.

Do Y
Kim

Digitally
signed by
Do Y Kim
Date:
2020.08.06
13:53:18
-04'00'

Do Kim, P.E.
FL #49497

Supporting Documents

1. Code Compliance
 - a. The product assembly described herein has demonstrated compliance with the Florida Building Code 7th Edition (FBC), Section 1709.2.
2. Drawings:
 - a. Drawing No. FL-1001 titled "EPS Foam Core Composite Panels", Sheets 1 and 2 prepared by Do Kim and Associates, LLC., signed and sealed by Do Kim, P.E.
3. Testing
 - a. Testing per ASTM E72 as performed by Hurricane Engineering & Testing, Inc. (HETI), and reported in test report numbers 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.
4. Calculations
 - a. Panel performance engineering analysis for tested loading conditions have been prepared based on comparative and/or rational analysis, prepared, and submitted by Do Kim, P.E.
5. Other
 - a. Quality Assurance Agreement verified with Quality Auditing-Institute, LTD. (QAI Laboratories, LTD.) (FBC Organization #QUA7628).

Limitations and Condition of Use

1. Code Compliance
 - a. The product assembly described herein has demonstrated compliance with the Florida Building Code 7th Edition (FBC), Section 1709.2.
2. Large and small missile impact resistance has NOT been tested to or evaluated for in this approval. 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.
3. Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document and site-specific engineering along with all components noted herein.
4. Use of each product shall be in strict accordance with its Product Approval Evaluation and Limitations of Use.
5. Composite panels shall be constructed using type 3003-H154 aluminum facings, 1 or 2 PCF ASTM C-578 Dyplast Products LLC brand EPS foam insulation (NOA No. 16-1129.05) adhere to aluminum facings with Ashland Chemical 2020D ISO grip. Fabrication to be by Elite panel products only in accordance with approved fabrication methods.
6. Elite roof panels maintain a UL 1715 (int) class ‘B’ (ext) rating and are NER-501 approved.
7. This specification has been designed and shall be fabricated in accordance with the requirements of the 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.
8. 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 load tables and spans in this approval.
9. Deflection limits and allowable spans have been listed to meet FBC including the HVHZ (L/80 for spans $\leq 12'-0''$ and L/180 for spans $> 12'-0''$).
10. All supporting host structures shall be designed to resist all superimposed loads.
11. All components which are permanently installed shall be protected against corrosion, contamination, and other such damage.
12. Size and Span Limitations:
 - a. Composite panels shall be limited to those specific panels listed in the DWG. FL-1001.
 - b. Panel spans shall not exceed those listed in the tables of DWG. FL-1001.

General Notes & Design Standards

(Pergola)

The following are general design standards. More stringent design standards may be noted on the plans. In the event of a conflict in plans and/or design standard dimensions and/or member sizes, the contractor must utilize the more stringent dimensions and/or member sizes prior to ordering materials, fabrication and/or construction.

Design Codes:

Florida Building Code 2020 (7th Edition)
Aluminum Design Manual 2020
ASCE 7-16

Design Loads:

Pursuant to FBC Chapters 16 & 20
Ultimate Wind: -130 MPH (FBC Table 2002.4) (35 psf)
Risk Category:-See attach site specific plan sheet (FBC Table 1604.5)
Exposure Category: -See attach site specific plan sheet (FBC 1609.4.3)

Additional Load requirements:

Structural members supporting screened enclosures are designed for wind in both of two orthogonal directions using the pressures given in Table 2002.4. Each primary member is also designed for a 300 pound load applied vertically downward along any 1 foot of any member, not occurring simultaneously with wind load. In addition to wind pressures, purlins is also be designed for a 200 pound load applied vertically downward along any 1 foot of any member, not occurring simultaneously with wind load.

Design Basis:

Allowable Stress Design (ASD) = Allowable Strength Design (ASD) divide by safety factor

General Requirements:

Reproductions of contract drawings by contractor in lieu of preparation of shop drawings signifies acceptance of information shown as correct and obligates himself to any expense, real or implied, arising from their use.

A change to the structural drawings due to the acceptance of alternates and/or substitutes is the responsibility of the contractor and must be submitted to the engineer for approval.

The general contractor and each subcontractor shall review the approve construction plans in its entirety and verify all existing conditions prior to the start of any work. All inconsistencies shall be reported to the designer and/or structural engineer, if needed. Should contractor construct the premises in a fashion not consistent with the plans prepared by the designer and/or structural engineer, or in any fashion, change the plans and drawing without the review and approval from the designer and/or structural engineer. Then designer and/or structural engineer shall bear no responsibility or liability for the construction of premises and accuracy of the drawings.

Foundation and Earthwork:

Applicable only when unsuitable soils are encountered.

When unsuitable soils are encountered as specified bearing strata, notify owner's representative/engineer.

Soil bearing capacity – 2,000 psf Minimum

Provide neat excavation for footing and place concrete immediately after excavation and inspection.

Pump water from footing excavation if greater than one inch.

Compact all fill to 95% ASTM D698 density.

Unit soil weight = 105 pcf

Internal angle of friction = 30 degrees

Coeff. Of friction between footing and soil = 0.5



Structural Aluminum:

Conform to latest edition of Florida Building Code and Aluminum Design Manual standard practice for aluminum design.

All aluminum shall be 6005-T5 (E= 10,000 ksi; Fy = 35 ksi) with a minimum wall thickness of 0.046"

Splicing prohibited without prior approval as to location and type.

Burning of holes in aluminum members is prohibited. Any member with burned holes must be replaced.

Aluminum Protection:

Shall be pursuant FBC 2003.8.4. Aluminum surfaces in contact with dissimilar materials, lime-mortar, concrete, or other masonry materials, shall be protected with powder coated or ESP paint or alkali-resistant coatings, such as heavy-bodied bituminous paint or water-white methacrylate lacquer.

Screws:

Aluminum self-tapping screws shall conform to ASME B18.6.4 specification.

Self-tapping screws shall meet the requirements of ADM J.5

Maximum fastener spacing shall not exceed (3+20t) where "t" is the member thickness in inches.

For roofing and siding connection, use minimum #12 screws for end and side laps spaced at 12" max for side lap and end lap fasteners shall be no more than 2" from the end of overlapping sheets.

For bottom plate and column base, secure with 1/4" tapcons a minimum embedment of 1 1/8" and 2 1/4" respectively into concrete footer.

Bolts:

Bolts and other fasteners shall be aluminum, stainless steel, hot-dip or electro-galvanized steel. Double cadmium plated steel bolts may also be used. Bolt holes diameter shall not exceed 1/16" larger than the bolt diameter and shall be spaced at a minimum of 2.5 times the bolt diameter with minimum edge distance of 1.5 times the bolt diameter.

Bolts shall meet the requirements of ADM J.3

Concrete:

Conform to ACI 318, latest edition and ACI 301

Compressive Ultimate Strength (Minimum at 28 days) shall be 3000 psi

Exposed chamfer edges shall be 3/4"

Reinforcing Steel:

Conform to ACI 318 and 315, Latest edition

All reinforcement steel shall be ASTM A615 Grade 60.

Smooth dowels & ties shall be ASTM A185

Welded Wire Fabric shall be ASTM A185 or A82 (Flat sheet).

Deformed bar anchors shall be ASTM A496, Grade 70

Cover: Footing 3"

Washer:

Washers shall be used under bolt heads and under nuts.

Hole Alignment:

Poor matching holes must be rejected. Contractor shall prevent holes from drifting and distort the metal. All chips and foreign matter between contacting surfaces shall be removed before assembly.

Beams & Uprights:

In the event of a conflict with the values in this table and the site specific plan, the contractor must utilize the more stringent dimensions and/or member sizes between the site specific plan and the below applicable span limitations prior to ordering materials, fabrication and/or construction.

Handwritten signature/initials

130 MPH					
PRIMARY HEADER BEAM MEMBERS-OPEN PERGOLA-(No Screen Insert)					
SIZE	Maximum Roof Span = 6'-0"	Maximum Roof Span = 8'-0"	Maximum Roof Span = 10'-0"	Maximum Roof Span = 12'-0"	Maximum Roof Span = 15'-0"
2 X 4	10'-0"	9'-0"	9'-0"	8'-0"	8'-0"
2 X 5	13'-0"	12'-0"	11'-0"	10'-0"	9'-0"
2 X 6	15'-0"	14'-0"	13'-0"	12'-0"	11'-0"
2 X 7	17'-0"	16'-0"	14'-0"	14'-0"	13'-0"
2 X 8	21'-0"	20'-0"	18'-0"	17'-0"	16'-0"
2 X 9	21'-0" *	20'-0" *	20'-0"	20'-0"	19'-0"
2 X 10	21'-0" *	20'-0" *	20'-0" *	20'-0" *	19'-0" *

Column size is 3 x 3 x 0.125" (1/8") unless noted otherwise with a max height of 9'-0" -*(CSR) control < 1.0. Larger span req larger column size.

Knee Bracing:

Contractor shall provide knee bracing on 45 degree angle pursuant the attach detail sheet that specified size and length requirements. Knee bracing on upright above super gutter intersection shall be connected to upright no more than 6" above the super gutter. Knee brace size shall be a minimum of 2 x 2 for beam span of 15' max; 2 x 3 for 30' max; 2 x 4 for beam span greater than 30'.

Intermediate/Header Beam:

Contractor is required to install a minimum 2 x 7 intermediate header beam supported with 3 x 3 column spaced at 10 feet (max) when insulated roof span exceeds 15 feet.

Edge Distance:

Contractor is required to install uprights to provide a 2" minimum clearance from edge of slab and/or footer.



City of Belle Isle

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



Product Approval Form

DATE: 02/23/2022

PERMIT # 202-03-022

PROJECT ADDRESS 6517 Cay Cir, Belle Isle, 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:

- NOTE:** 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 #
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	7561.1	FL#7561-R5
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 2/23/22



Business & Professional Regulation

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 Approval > Application List

Search Criteria

[Refine Search](#)

Code Version	2020	FL#	ALL
Application Type	ALL	Product Manufacturer	Elite Aluminum Corporation
Category	Roofing	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL7561-RS History	Revision	Elite Aluminum Corporation Category: Roofing Subcategory: Products Introduced as a Result of New Technology	James L. Buckner, P.E. @ CBUCK Engineering (561) 491-9927	Approved
FL7521-RS History	Revision	Elite Aluminum Corporation Category: Roofing Subcategory: Products Introduced as a Result of New Technology	Troy Bishop, P.E. (954) 947-0880	Approved

*Approved by DBPR. Approval by CBPR shall be reviewed and issued by the POC and/or the Commission if necessary.

Contact Us :: [How to Use Florida Building Code Online](#) Phone: 850-487-1828

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 email 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 455.05(1), Florida Statute, effective October 1, 2012, Business Bonds under Chapter 455, FS, must provide the Department with an email address if they have one. The emails provided may be used for official communication with the license. However, email addresses are public records. 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, FS, please click [here](#).



Credit Card
Safe





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

Product Approval
USER: Public User

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

FL #
Application Type
Code Version
Application Status

FL7561-RS
 Revision
 2020
 Approved

Comments
 Archived

Product Manufacturer
Address/Phone/Email

Elite Aluminum Corporation
 4650 Lyons Technology Parkway
 Coconut Creek, FL 33073
 (954) 949-3200
 dk@dokimengineering.net

Authorized Signature

Do Kim
 dk@dokimengineering.net

Technical Representative
Address/Phone/Email

Bruce Peacock
 4650 Lyons Technology Parkway
 Coconut Creek, FL 33073
 (954) 949-3200
 bpeacock@elitealuminum.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
 Products Introduced as a Result of New Technology

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
 Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report
Florida License
Quality Assurance Entity
Quality Assurance Contract Expiration Date
Validated By

Do Kim, P.E.
 PE-49497
 QAI Laboratories
 12/31/2023
 James L. Buckner, P.E. @ CBUCK Engineering
 Validation Checklist - Hardcopy Received

Certificate of Independence

[FL7561_RS_COI_certificate_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
Date Validated
Date Pending FBC Approval
Date Approved

08/06/2020
 08/07/2020
 08/19/2020
 10/13/2020

Summary of Products

FL #	Model, Number or Name	Description
7561.1	Aluminum/Aluminum Composite Panels	3 7/4" / 6" x 0.024" x 11lb EPS Composite Panel, 3 7/4" / 6" x 0.032 x 11lb EPS Composite Panel, 3 7/4" / 6" x 0.024" x 2lb EPS Composite Panel, 3 7/4" / 6" x 0.030" x 2lb 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_RS_II_2020-FBC-Elite Aluminum Corp Install Dwg.pdf Verified By: Do Kim, P.E. PE 49497 Created by Independent Third Party: Yes Evaluation Reports FL7561_RS_AE_FL_7561_Evaluation_Report-2020_FBC.pdf Created by Independent Third Party: Yes



Contact Us :: 2011 Eler Street, Tallahassee, FL 32309 | Phone: 850-887-1828

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 email 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 850-887-1828. *Pursuant to Section 408.2, 311, Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 408, 409, must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However, email addresses are public records. 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 408, F.S., please click [here](#).



Credit Card
Safe



DO KIM & ASSOCIATES, LLC
CONSULTING STRUCTURAL ENGINEERS

Florida Board of Engineers Certificate of Authorization No. 26887

Product Evaluation Report

Date: August 8, 2020

Report No.: FL# 7561-R5

Product Category: Roofing

Product sub-category: Products Introduced as a Result of New Technology

Product Name: EPS Foam Core w/ Aluminum Skin Composite Panels

Manufacturer: Elite Aluminum Corporation
4650 Lyons Technology Parkway
Coconut Creek, FL 33073
Phone: 800-421-0682

Scope:

This product evaluation report issued by Do Kim and Associates, LLC and Do Kim, P.E. for Elite Aluminum Corporation is based on Florida Department of Business and Professional Regulation Rule 61G20-3.005 (2) Method 2 (b) of the State of Florida Product Approval. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or updates.

Do Kim and Associates, LLC and Do Kim, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code, 7th Edition (FBC) and where pressure and deflection requirements, as determined by Chapter 16 of the Florida Building Code, do not exceed the design pressures as shown on the approval.



This seal has been digitally signed and sealed by Do Y. Kim on the date shown in the text. Printing copies of this seal without the digital signature is illegal and the signature must be verified on any printed copy.

Digitally
signed by
Do Y Kim
Date:
2020.08.06
13:53:18
-04'00'

Do Kim, P.E.
FL #49497

Supporting Documents

1. Code Compliance
 - a. The product assembly described herein has demonstrated compliance with the Florida Building Code 7th Edition (FBC), Section 1709.2.
2. Drawings:
 - a. Drawing No. FL-1001 titled "EPS Foam Core Composite Panels", Sheets 1 and 2 prepared by Do Kim and Associates, LLC., signed and sealed by Do Kim, P.E.
3. Testing
 - a. Testing per ASTM E72 as performed by Hurricane Engineering & Testing, Inc. (HETI), and reported in test report numbers 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.
4. Calculations
 - a. Panel performance engineering analysis for tested loading conditions have been prepared based on comparative and/or rational analysis, prepared, and submitted by Do Kim, P.E.
5. Other
 - a. Quality Assurance Agreement verified with Quality Auditing-Institute, LTD. (QAI Laboratories, LTD.) (FBC Organization #QUA7628).

Limitations and Condition of Use

1. Code Compliance
 - a. The product assembly described herein has demonstrated compliance with the Florida Building Code 7th Edition (FBC), Section 1709.2.
2. Large and small missile impact resistance has NOT been tested to or evaluated for in this approval. 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.
3. Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document and site-specific engineering along with all components noted herein.
4. Use of each product shall be in strict accordance with its Product Approval Evaluation and Limitations of Use.
5. Composite panels shall be constructed using type 3003-H154 aluminum facings, 1 or 2 PCF ASTM C-578 Dyplast Products LLC brand EPS foam insulation (NOA No. 16-1129.05) adhere to aluminum facings with Ashland Chemical 2020D ISO grip. Fabrication to be by Elite panel products only in accordance with approved fabrication methods.
6. Elite roof panels maintain a UL 1715 (int) class ‘B’ (ext) rating and are NER-501 approved.
7. This specification has been designed and shall be fabricated in accordance with the requirements of the 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.
8. 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 load tables and spans in this approval.
9. Deflection limits and allowable spans have been listed to meet FBC including the HVHZ (L/80 for spans $\leq 12'-0''$ and L/180 for spans $> 12'-0''$).
10. All supporting host structures shall be designed to resist all superimposed loads.
11. All components which are permanently installed shall be protected against corrosion, contamination, and other such damage.
12. Size and Span Limitations:
 - a. Composite panels shall be limited to those specific panels listed in the DWG. FL-1001.
 - b. Panel spans shall not exceed those listed in the tables of DWG. FL-1001.



Ron DeSantis, Governor

Julie I. Brown, Secretary



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

CONSTRUCTION INDUSTRY LICENSING BOARD

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

KLEPPE, BARBARA DOS SANTOS

STUDIO 58
181 N PHLEPS AVE
WINTER PARK FL 32789

LICENSE NUMBER: CGC1531188

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at 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.



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: 10/20/2020

EXPIRATION DATE: 10/20/2022

PERSON: BARBARA D KLEPPE

EMAIL: KLEPPE.BABI@GMAIL.COM

FEIN: 810891001

BUSINESS NAME AND ADDRESS:

ASTERION PROPERTIES LLC

1231 LAKE BALDWIN LN UNIT 206

ORLANDO, FL 32814

SCOPE OF BUSINESS OR TRADE:

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

IMPORTANT: Pursuant to subsection 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 subsection 440.05(12), F.S., Certificates of election to be exempt issued under subsection (3) shall apply only to the corporate officer named on the notice of election to be exempt and apply only within the scope of the business or trade listed on the notice of election to be exempt. Pursuant to subsection 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.

DFS-F2-DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 08-13

E01241042

QUESTIONS? (850) 413-1609

City of Winter Park

401 S Park Ave, Winter Park, FL 32789
407-599-3237

BUSINESS CERTIFICATE**Business Name:** Asterion Properties LLC**Business Type(s):** 238390 Other Building Finishing Contractors**Business Location:** 181 N PHELPS AVE
WINTER PARK, FL 32789-4020**Mailing Address:** 181 N PHELPS AVE
WINTER PARK, FL 32789-4020**Owner:** BARBARA KLEPPE**Certificate Number:** BC-001391-2021**License Type:** Business Certificate**Issued Date:** 9/30/2021**Classification:** Home Based Business Certificate**Expiration Date:** 9/30/2022**Fees Paid:** \$60.00**Comments/Restrictions:** Home Based Business Regulations
Apply. No employees/customers at home.

TO BE POSTED IN A CONSPICUOUS PLACE

Parcel Photos - 6517 Cay Cir



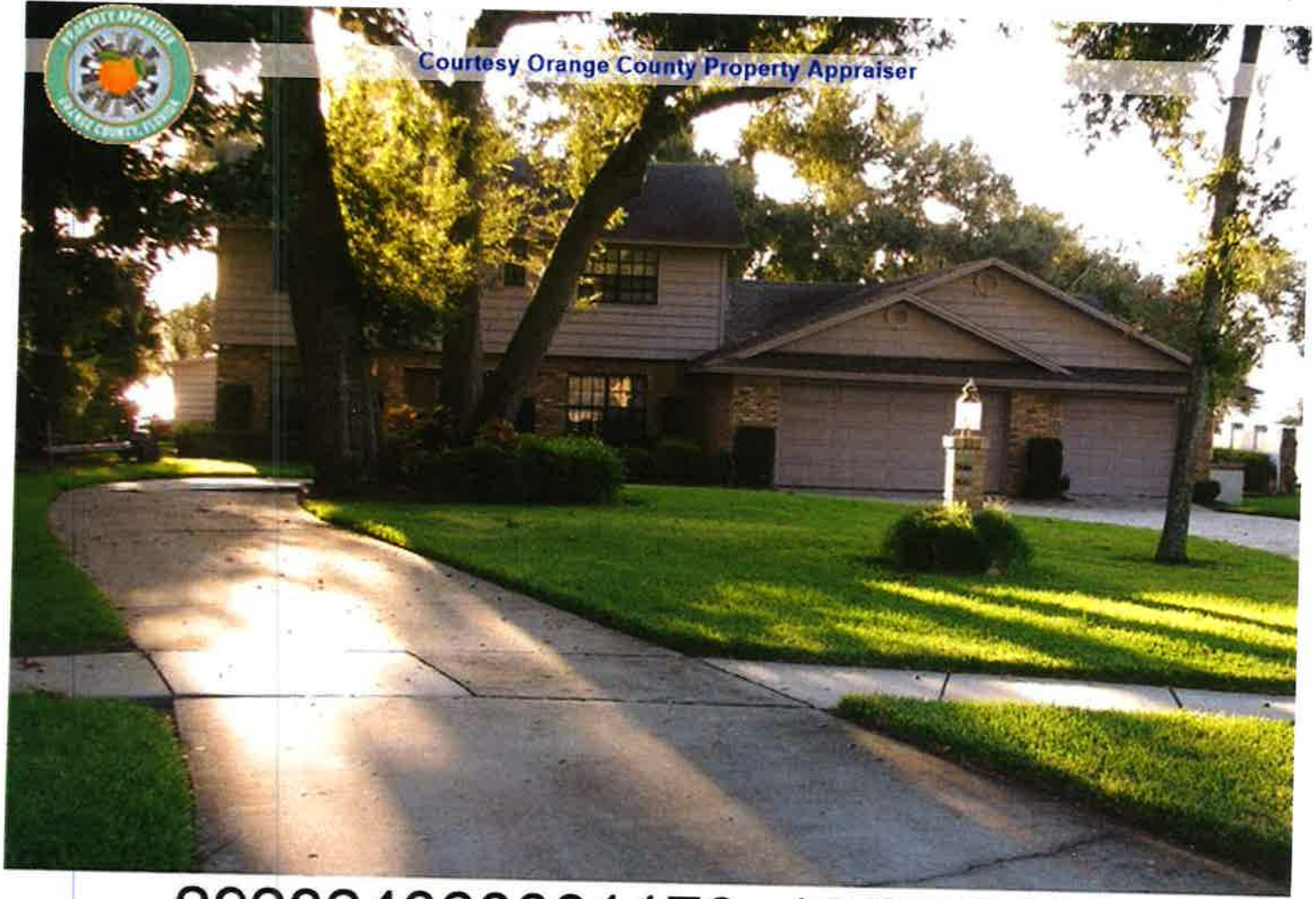
Courtesy Orange County Property Appraiser



6517 CAY CIR, BELLE ISLE, FL 32809 1/15/2021 8:47 AM



Courtesy Orange County Property Appraiser



292324060001170 10/05/2006

LEGAL DESCRIPTION

BEGINNING AT THE MOST WESTERLY CORNER OF LOT 17, BLOCK A, BELLE ISLE ESTATES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK L, PAGE 58, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA; RUN THENCE N43°12'15"E, 26 FEET TO THE P.C. OF A CURVE CONCAVE TO THE WESTERLY HAVING A RADIUS OF 25 FEET AND A CENTRAL ANGLE OF 63°41'00", AND AN ARC LENGTH OF 27.78 FEET TO THE MOST NORTHERLY CORNER OF SAID LOT 17, THENCE S73°28'45"E ALONG THE NORTH LINE OF SAID LOT 17 A DISTANCE OF 250 FEET MORE OR LESS TO THE WATERS OF LAKE CONWAY; THENCE SOUTHWESTERLY ALONG THE WATERS OF LAKE CONWAY 138 FEET MORE OR LESS TO A POINT WHICH BEARS S53°33'45"E FROM THE POINT OF BEGINING; THENCE N53°33'45"W 191 FEET MORE OR LESS TO THE POINT OF BEGINING.

REVIEWED FOR CODE COMPLIANCE
UNIVERSAL ENGINEERING SCIENCES

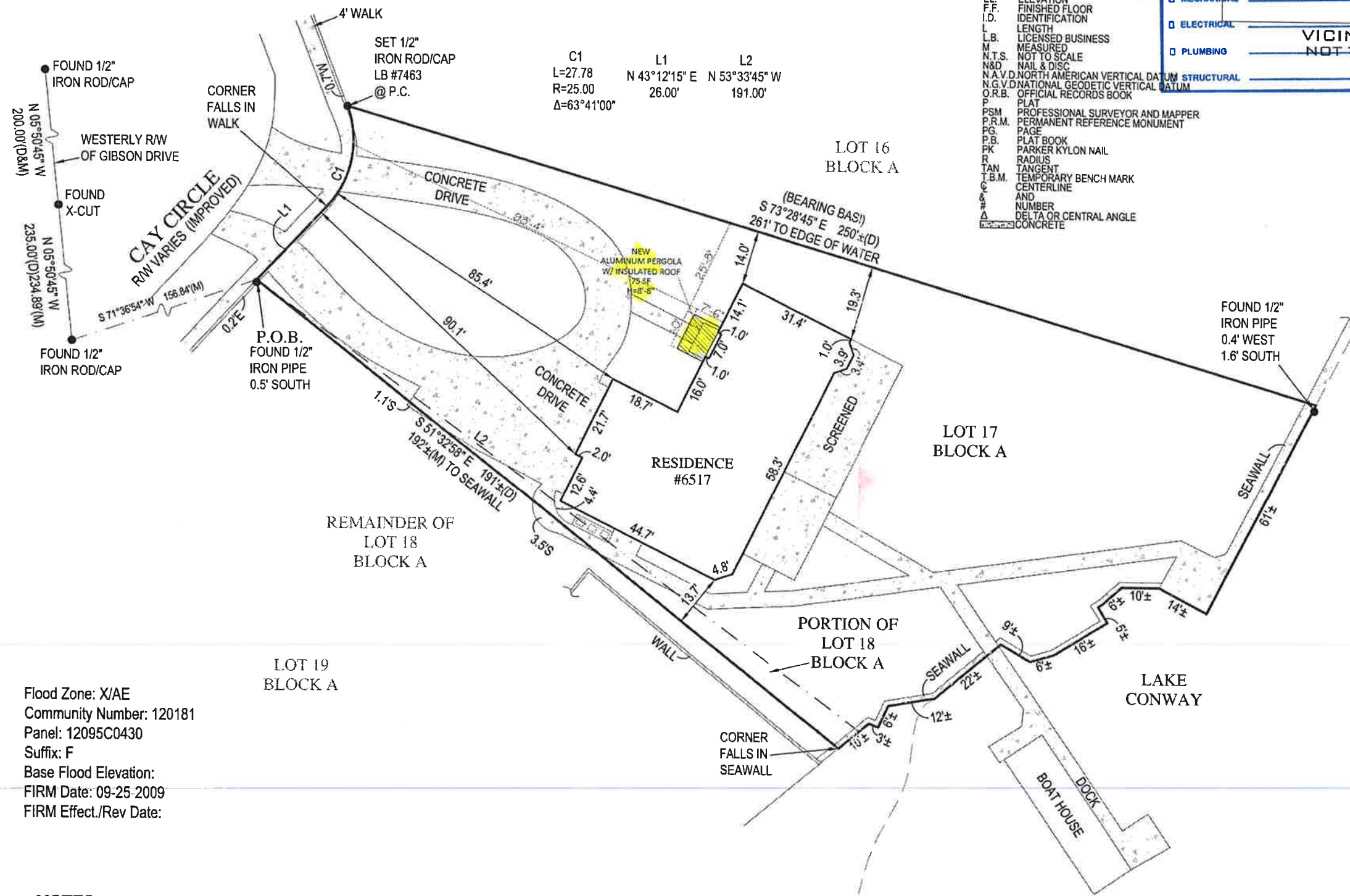
These plans have been reviewed for compliance with the Florida Building Code (Building, Mechanical, Plumbing, Fuel Gas, Residential, Energy Conservation, Accessibility, and Existing Building) and the National Electrical Code (NFPA 70) as adopted by the State of Florida. Plan Review of submitted documents is pursuant to requirements of Ch. 553 F.S. Review of plans and documents in accordance with The Florida Building Code does not include review of additional documents that may be otherwise required by the Authority Having Jurisdiction. Plan Review for code compliance does not relieve the permit holder from compliance with provisions of these or any other state or local law regulating construction.

PLAN EXAM NAME/SIGNATURE	LICENSE NO.	DATE
<i>David J. Blalock</i>	05-3122	2/6/22

VICINITY MAP
NOT TO SCALE

LEGEND

- A/C AIR CONDITIONER
- B.F.P. BACKFLOW PREVENTER
- C.B.S. CONCRETE BLOCK STRUCTURE
- EL ELEVATION
- F.F. FINISHED FLOOR
- I.D. IDENTIFICATION
- L LENGTH
- L.B. LICENSED BUSINESS
- M MEASURED
- N.T.S. NOT TO SCALE
- N&D NAIL & DISC
- N.A.V.D. NORTH AMERICAN VERTICAL DATUM
- N.G.V.D. NATIONAL GEODETIC VERTICAL DATUM
- O.R.B. OFFICIAL RECORDS BOOK
- P PLAT
- PSM PROFESSIONAL SURVEYOR AND MAPPER
- P.R.M. PERMANENT REFERENCE MONUMENT
- PG. PAGE
- P.B. PLAT BOOK
- PK PARKER KYLON NAIL
- R RADIUS
- TAN TANGENT
- T.B.M. TEMPORARY BENCH MARK
- & CENTERLINE
- # NUMBER
- Δ DELTA OR CENTRAL ANGLE
- CONCRETE CONCRETE



C1	L1	L2
L=27.78	N 43°12'15" E	N 53°33'45" W
R=25.00	26.00'	191.00'
Δ=63°41'00"		

BOUNDARY SURVEY OF
6517 CAY CIRCLE
 BELLE ISLE, FL. 32809
 PREPARED FOR:
CHRISTOPHER COMINS

Project	Sheet
C-491122	1 of 1
Date	
07-14-2021	
Scale	
1"=20'	

6250 N. MILITARY TRAIL
 SUITE 102
 WEST PALM BEACH, FL 33407
 PHONE: 561.640.4800
 FAX: 561.640.0576
 LB #7463
COMPASS SURVEYING
 WWW.COMPASSSURVEYING.NET



Flood Zone: X/AE
 Community Number: 120181
 Panel: 12095C0430
 Suffix: F
 Base Flood Elevation:
 FIRM Date: 09-25-2009
 FIRM Effect./Rev Date:

NOTES:

1. LEGAL DESCRIPTION PROVIDE BY CLIENT
2. NO SEARCH OF THE PUBLIC RECORD FOR THE PURPOSE OF ABSTRACTING TITLE WAS PERFORMED BY THIS OFFICE
3. NO SUBSURFACE IMPROVEMENTS WERE LOCATED AS PART OF THIS SURVEY
4. ALL ANGLES OR BEARINGS AND DISTANCES SHOWN HEREON ARE BOTH RECORD AND MEASURED UNLESS OTHERWISE NOTED
5. SOME FEATURES MAY NOT BE AT SCALE IN ORDER TO SHOW DETAIL.
6. THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTHERLY PROPERTY LINE, HAVING A BEARING OF S73°28'45"E.
7. UNLESS OTHERWISE NOTED ALL PROPERTY CORNERS FALL IN SEAWALL.

DATE OF FIELD WORK: 07-14-2021
 DATE OF MAP: 08-02-2021

SURVEYORS CERTIFICATE:
 I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PREPARED UNDER MY DIRECTION. NOT VALID WITHOUT A RAISED EMBOSSED SEAL AND SIGNATURE.

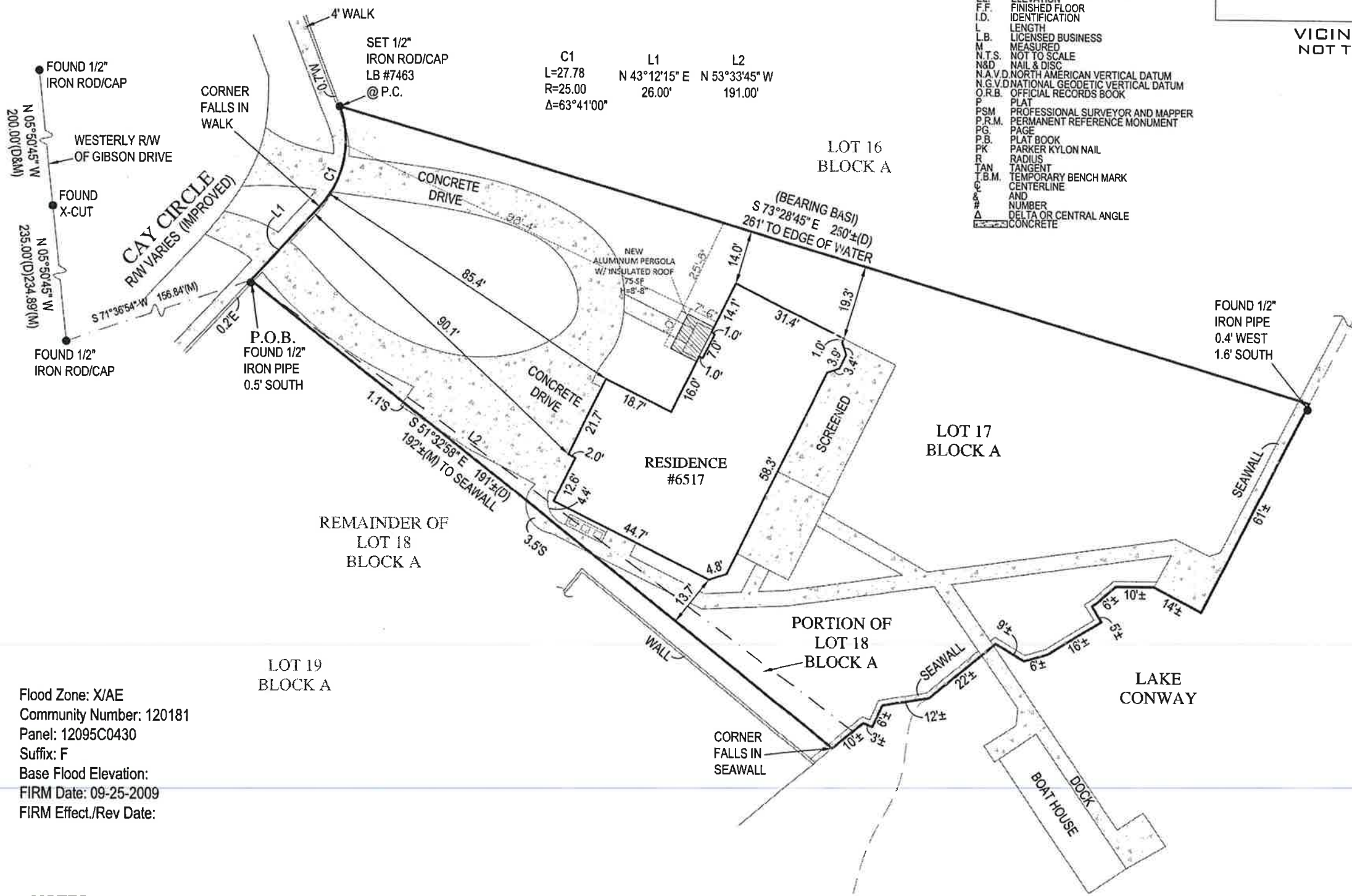
(SIGNED)
 KENNETH J. OSBORNE
 PROFESSIONAL SURVEYOR AND MAPPER #6415



Handwritten signature

LEGAL DESCRIPTION

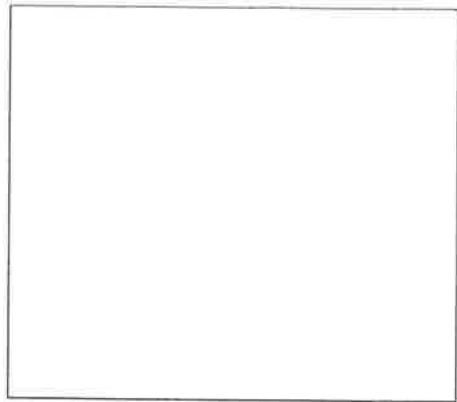
BEGINNING AT THE MOST WESTERLY CORNER OF LOT 17, BLOCK A, BELLE ISLE ESTATES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK L, PAGE 58, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA; RUN THENCE N43°12'15"E, 26 FEET TO THE P.C. OF A CURVE CONCAVE TO THE WESTERLY HAVING A RADIUS OF 25 FEET AND A CENTRAL ANGLE OF 63°41'00", AND AN ARC LENGTH OF 27.78 FEET TO THE MOST NORTHERLY CORNER OF SAID LOT 17, THENCE S73°28'45"E ALONG THE NORTH LINE OF SAID LOT 17 A DISTANCE OF 250 FEET MORE OR LESS TO THE WATERS OF LAKE CONWAY; THENCE SOUTHWESTERLY ALONG THE WATERS OF LKAE CONWAY 138 FEET MORE OR LESS TO A POINT WHICH BEARS S53°33'45"E FROM THE POINT OF BEGINING; THENCE N53°33'45"W 191 FEET MORE OR LESS TO THE POINT OF BEGINING.



LEGEND

A/C	AIR CONDITIONER
B.F.P.	BACKFLOW PREVENTER
C.B.S.	CONCRETE BLOCK STRUCTURE
EL.	ELEVATION
F.F.	FINISHED FLOOR
I.D.	IDENTIFICATION
L	LENGTH
L.B.	LICENSED BUSINESS
M.	MEASURED
N.T.S.	NOT TO SCALE
N&D	NAIL & DISC
N.A.V.D.	NORTH AMERICAN VERTICAL DATUM
N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM
O.R.B.	OFFICIAL RECORDS BOOK
P	PLAT
PSM	PROFESSIONAL SURVEYOR AND MAPPER
P.R.M.	PERMANENT REFERENCE MONUMENT
PG.	PAGE
P.B.	PLAT BOOK
PK	PARKER KYLON NAIL
R	RADIUS
TAN	TANGENT
T.B.M.	TEMPORARY BENCH MARK
&	AND
#	NUMBER
Δ	DELTA OR CENTRAL ANGLE
CONCRETE	CONCRETE

C1	L1	L2
L=27.78	N 43°12'15" E	N 53°33'45" W
R=25.00	26.00'	191.00'
Δ=63°41'00"		



VICINITY MAP
NOT TO SCALE



BOUNDARY SURVEY OF
6517 CAY CIRCLE
BELLE ISLE, FL. 32809
PREPARED FOR:
CHRISTOPHER COMINS

Project	Sheet
C-191122	1 of 1
Date	
07-14-2021	
Scale	
1"=20'	

6250 N. MILITARY TRAIL
SUITE 102
WEST PALM BEACH, FL 33407
PHONE: 561.640.4800
FAX: 561.640.0576
LB # 7463



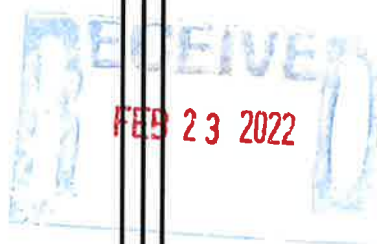
Flood Zone: X/AE
Community Number: 120181
Panel: 12095C0430
Suffix: F
Base Flood Elevation:
FIRM Date: 09-25-2009
FIRM Effect./Rev Date:

- NOTES:**
- LEGAL DESCRIPTION PROVIDE BY CLIENT
 - NO SEARCH OF THE PUBLIC RECORD FOR THE PURPOSE OF ABSTRACTING TITLE WAS PERFORMED BY THIS OFFICE
 - NO SUBSURFACE IMPROVEMENTS WERE LOCATED AS PART OF THIS SURVEY
 - ALL ANGLES OR BEARINGS AND DISTANCES SHOWN HEREON ARE BOTH RECORD AND MEASURED UNLESS OTHERWISE NOTED
 - SOME FEATURES MAY NOT BE AT SCALE IN ORDER TO SHOW DETAIL.
 - THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTHERLY PROPERTY LINE, HAVING A BEARING OF S73°28'45"E.
 - UNLESS OTHERWISE NOTED ALL PROPERTY CORNERS FALL IN SEAWALL.

DATE OF FIELD WORK: 07-14-2021
DATE OF MAP: 08-02-2021

SURVEYORS CERTIFICATE:
I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PREPARED UNDER MY DIRECTION. NOT VALID WITHOUT A RAISED EMBOSSED SEAL AND SIGNATURE.

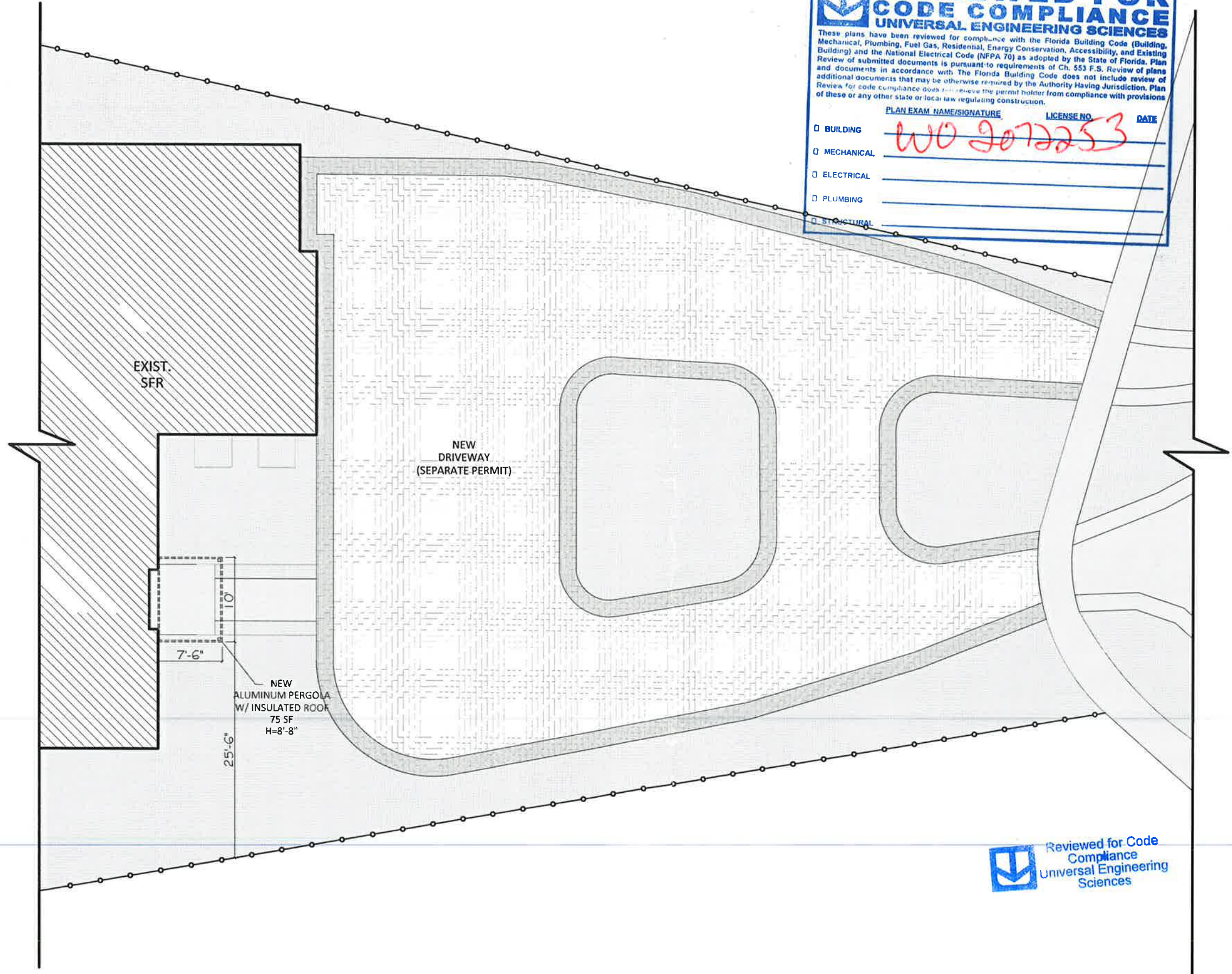
(SIGNED)
KENNETH J. OSBORNE
PROFESSIONAL SURVEYOR AND MAPPER #6415



REVIEWED FOR CODE COMPLIANCE
UNIVERSAL ENGINEERING SCIENCES

These plans have been reviewed for compliance with the Florida Building Code (Building, Mechanical, Plumbing, Fuel Gas, Residential, Energy Conservation, Accessibility, and Existing Building) and the National Electrical Code (NFPA 70) as adopted by the State of Florida. Plan and documents in accordance with The Florida Building Code does not include review of additional documents that may be otherwise required by the Authority Having Jurisdiction. Plan of Review for code compliance does not relieve the permit holder from compliance with provisions of these or any other state or local law regulating construction.

PLAN EXAM	NAME/SIGNATURE	LICENSE NO.	DATE
<input type="checkbox"/> BUILDING			
<input type="checkbox"/> MECHANICAL			
<input type="checkbox"/> ELECTRICAL			
<input type="checkbox"/> PLUMBING			
<input type="checkbox"/> STRUCTURAL			



OFFICE@GREENVIEW-OUTDOOR.COM
 +1 389-777-1228

DESIGNED BY:
 GREENVIEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:
[Signature]

[DATE]

CHRISTOPHER COMMINS
 6517 Cay Cir, Belle Isle

REVISION	DATE

SHEET
PROPOSED FLOOR PLAN

PAGE
A01



PROPOSED FLOOR PLAN
 SCALE: 1/12 = 1'-0"



OFFICE@GREENVIEW-OUTDOOR.COM
+1 689-777-1226

DESIGNED BY:

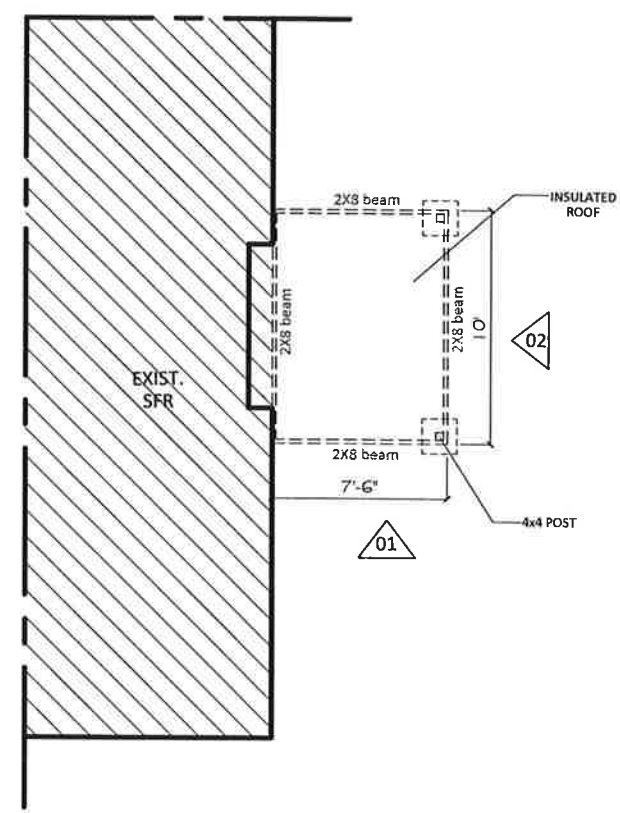
GREENVIEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:

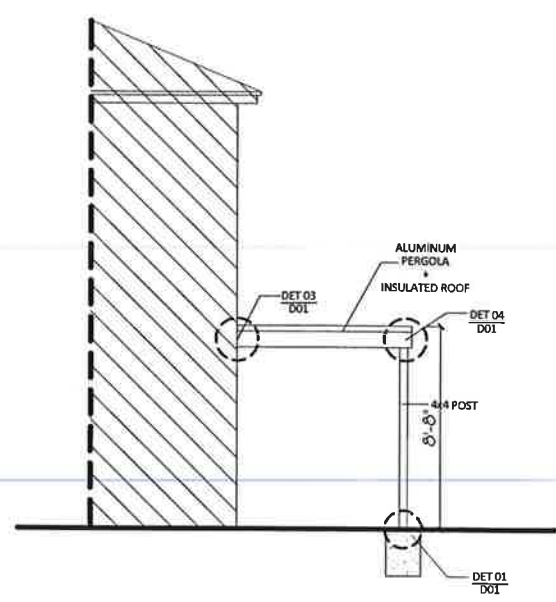
[Handwritten signature]

RECEIVED
FEB 23 2022
[DATE]

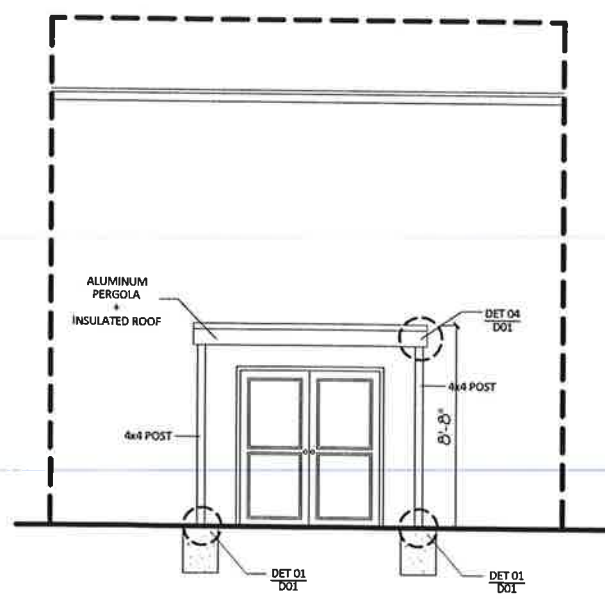
CHRISTOPHER COMMINS
6517 Cay Cir, Belle Isle



PERGOLA FLOOR PLAN
SCALE: 1/8" = 1'-0"



LEFT ELEVATION/ VIEW 01
SCALE: 1/8" = 1'-0"



FRONT ELEVATION/ VIEW 02
SCALE: 1/8" = 1'-0"

In the event of a conflict in member sizes shown on the plans and the general notes, the contractor must utilize the more stringent member size requirements.
Engineer: Michael Thompson, P.E. 47509/CA30930



REVISION	DATE

SHEET
ELEVATIONS

PAGE
A02



OFFICE@GREENVIEW-OUTDOOR.COM
+1 689-771-1226

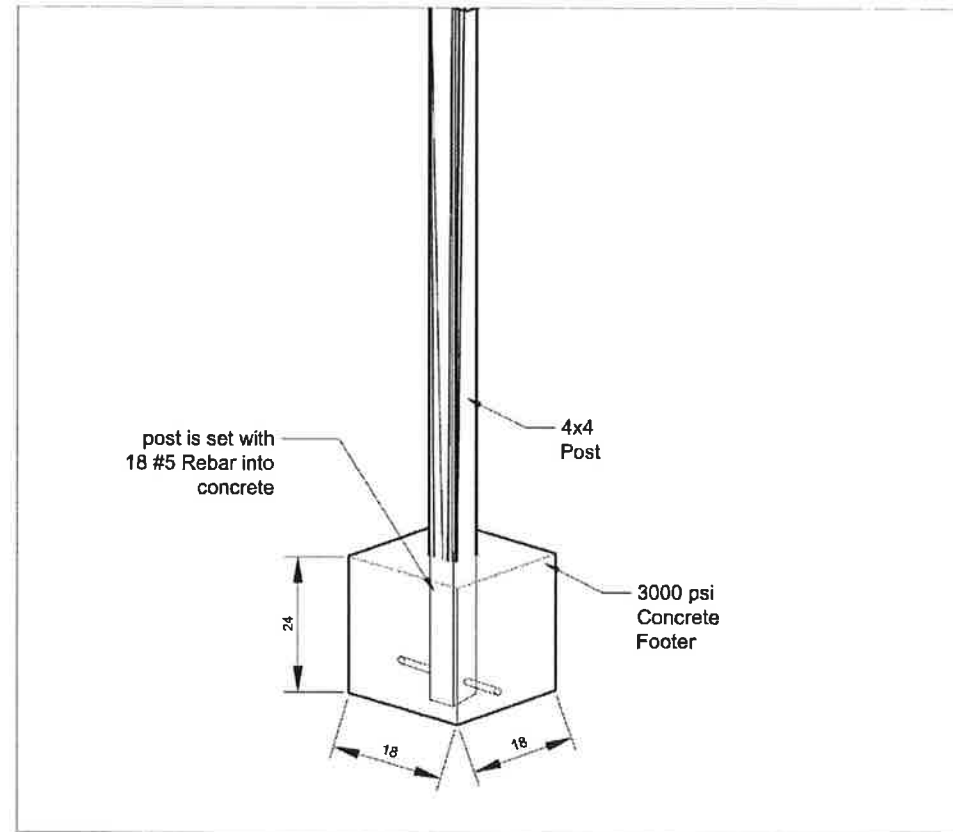
DESIGNED BY:
GREENVIEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:

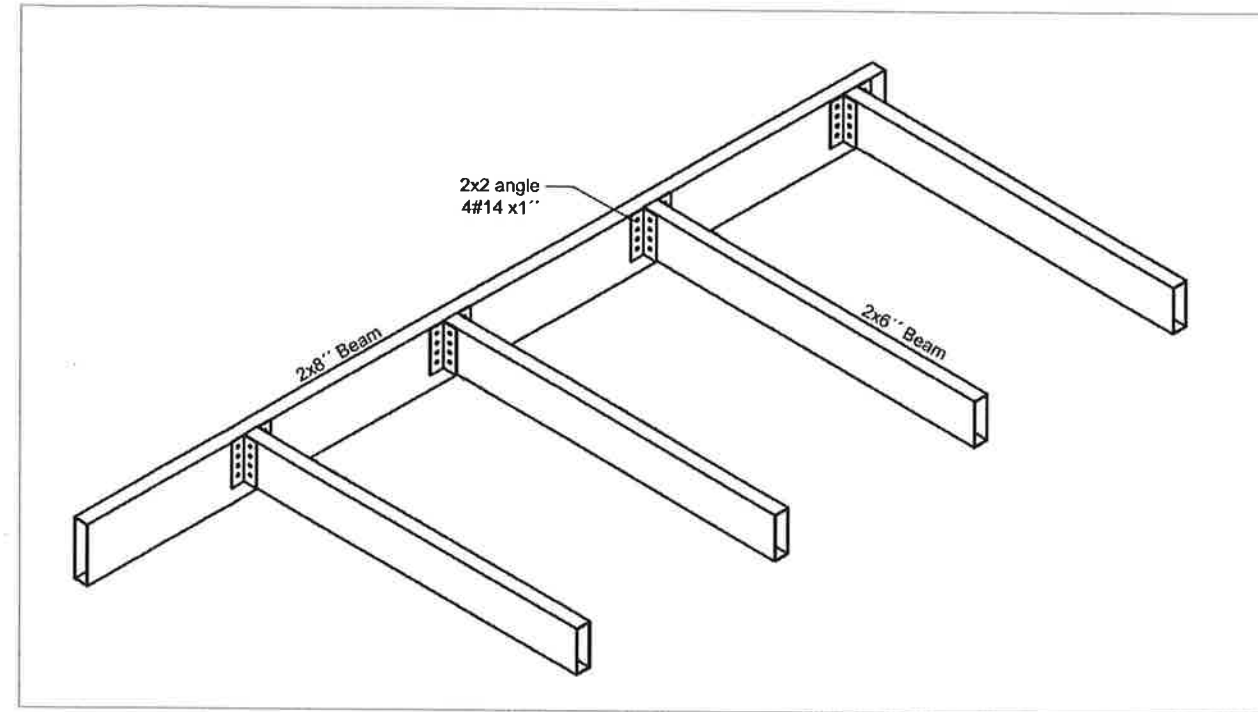
[Handwritten signature]

[DATE]

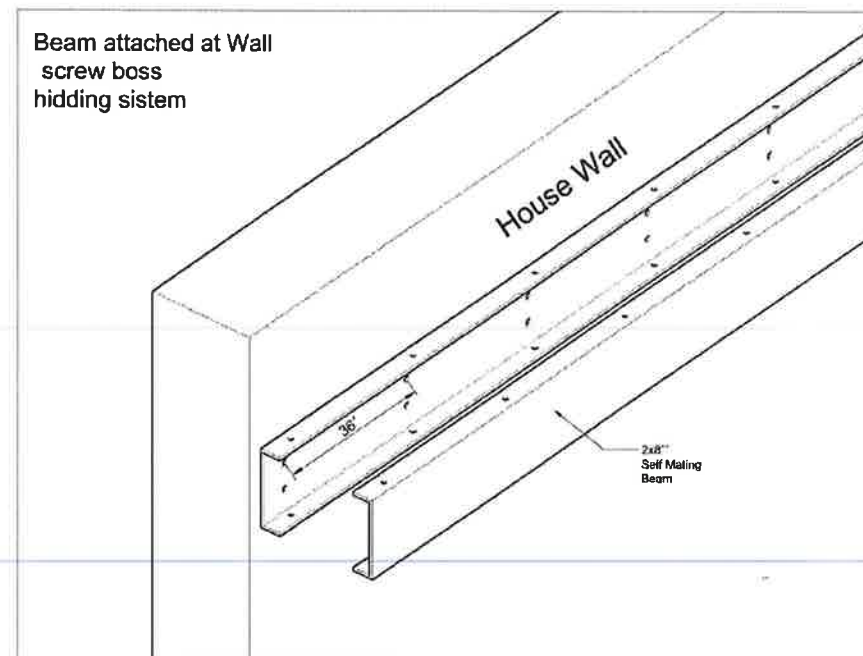
CHRISTOPHER COMMINS
6517 Cay Cir, Belle Isle



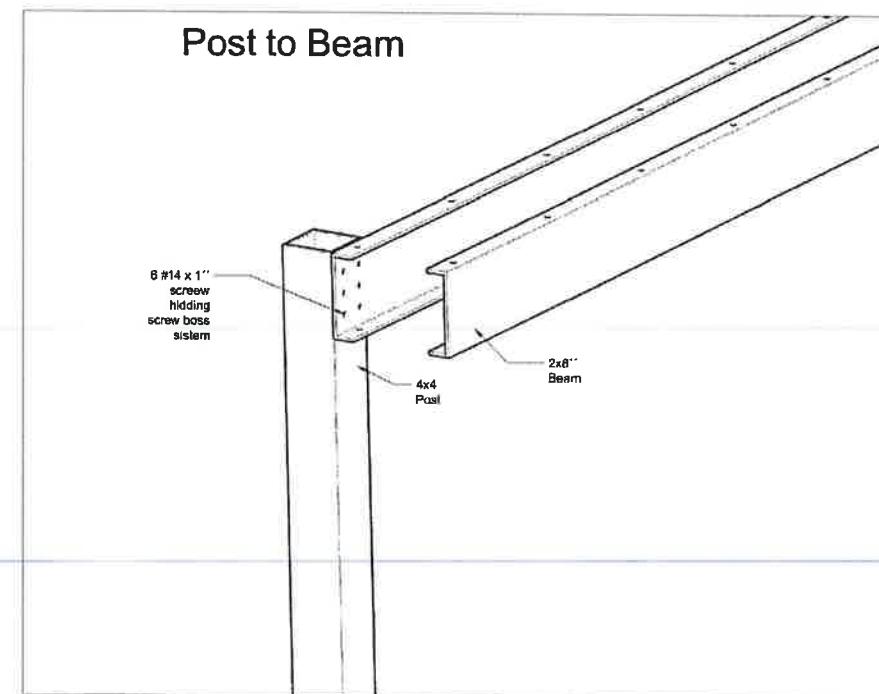
DETAIL 01
NTS



DETAIL 02
NTS



DETAIL 03
NTS



DETAIL 04
NTS



In the event of a conflict in member sizes shown on the plans and the general notes, the contractor must utilize the more stringent member size requirements.
Engineer: Michael Thompson, P.E. 47509/CA30930

REVISION DATE

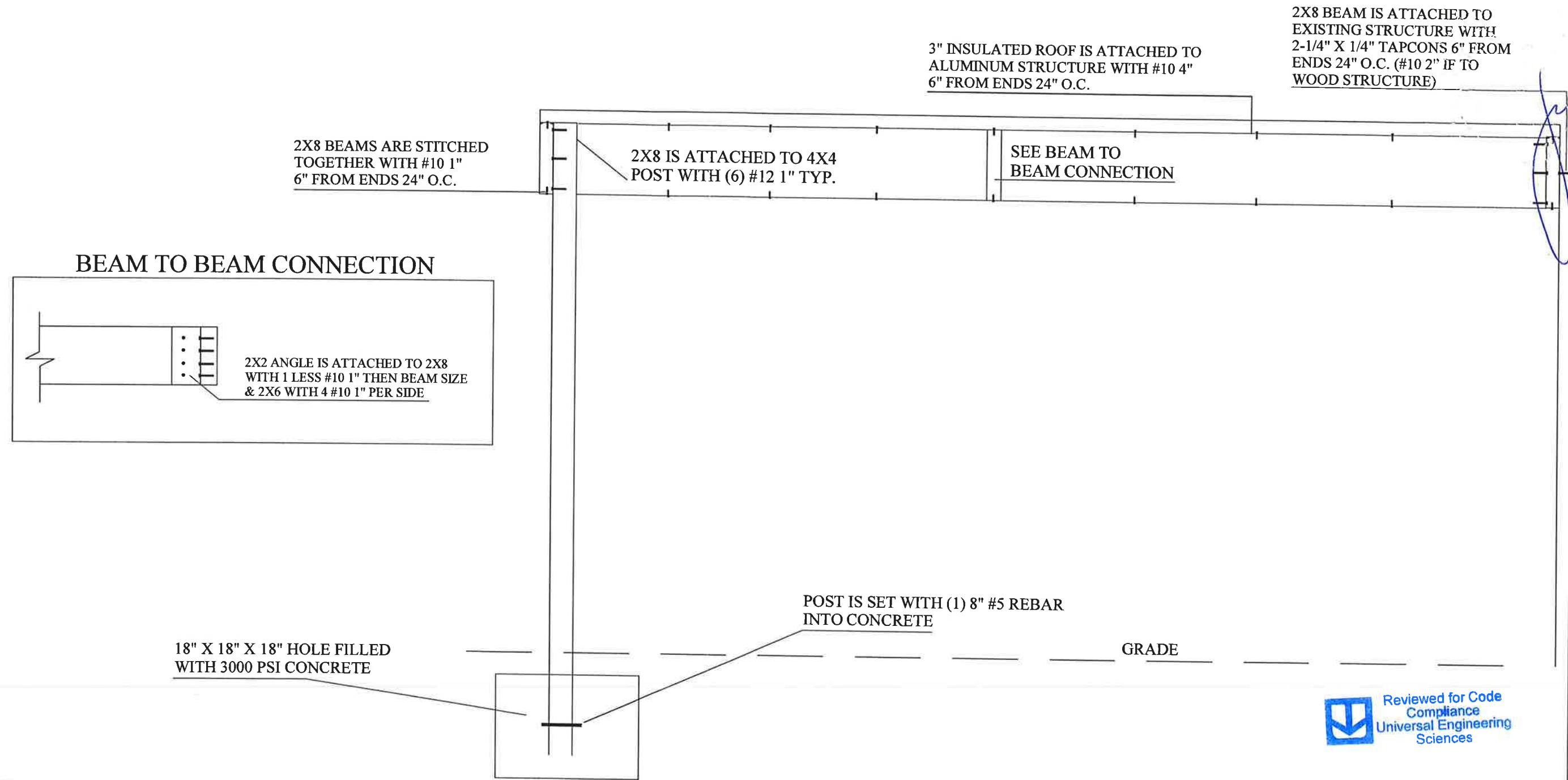
SHEET

PERGOLA
DETAILS

PAGE

D01

ALUMINUM SCREEN DESIGN



ALUMINUMSCREENDESIGN.COM
 ALUMINUMSCREENDESIGN
 @YAHOO.COM
 PHONE: 407-734-1470
 FAX: 407-734-1790

DESIGN STATEMENT

METAL IS .046 THICKNESS OR GREATER, ALLOY IS 6005-T5
 ALL TAPCONS SHALL PROVIDE MINIMUM OF 1 1/8" CONCRETE EMBEDMENT DEPTH

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE TO MEET THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE FOR OPEN AND SEMI-OPEN STRUCTURES AND SHALL WITH STAND ULTIMATE WIND SPEEDS OF 130 MPH (FOR 3 SECOND GUSTS) NOMINAL SPEED 101.4 MPH UP TO A 15FT ROOF HEIGHT, FACTOR OF 1.0, AND EXPOSURE C, RISK CATEGORY 1. CONTRACTOR SHALL FIELD VERIFY ALL PLANS DIMENSIONS PRIOR TO MATERIAL PURCHASE, FABRICATION AND CONSTRUCTION CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD SITE CONDITIONS DIFFER FROM CONSTRUCTION PLANS



MICHAEL THOMPSON
 4401 VINELAND ROAD
 SUITE A6
 ORLANDO, FL 32811
 P.E. # 47509
 CA#30930



OFFICE@GREENVIEW-OUTDOOR.COM
+1 889-777-1228

DESIGNED BY:

GREEN/NEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:

Handwritten signature

[DATE]

FEB 23 2022

CHRISTOPHER COMMINS
6517 Cay Cir, Belle Isle

REVISION DATE

SHEET

PROPOSED FLOOR PLAN

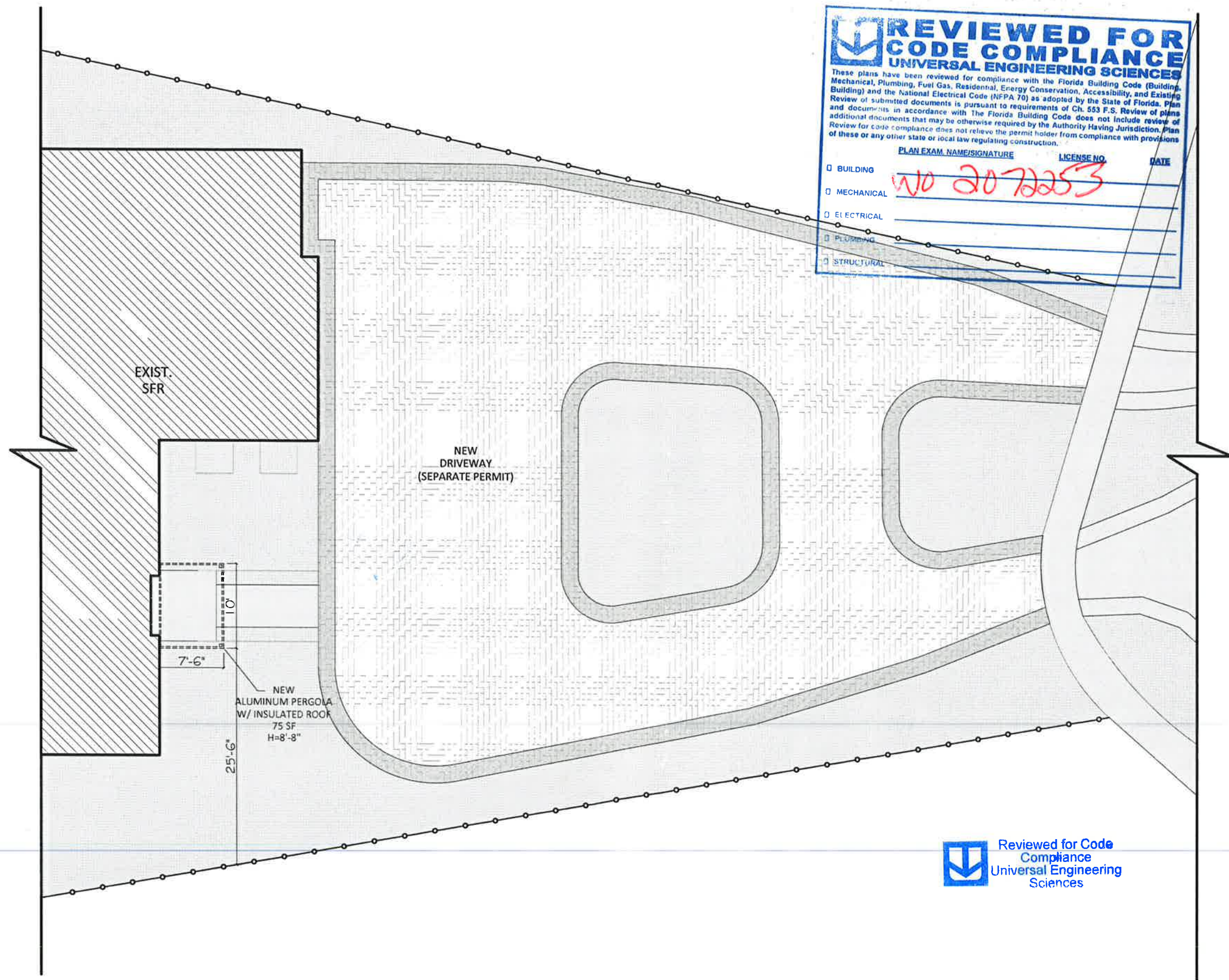
PAGE

A01

REVIEWED FOR CODE COMPLIANCE
UNIVERSAL ENGINEERING SCIENCES

These plans have been reviewed for compliance with the Florida Building Code (Building, Mechanical, Plumbing, Fuel Gas, Residential, Energy Conservation, Accessibility, and Existing Building) and the National Electrical Code (NFPA 70) as adopted by the State of Florida. Plan Review of submitted documents is pursuant to requirements of Ch. 553 F.S. Review of plans and documents in accordance with The Florida Building Code does not include review of additional documents that may be otherwise required by the Authority Having Jurisdiction. Plan Review for code compliance does not relieve the permit holder from compliance with provisions of these or any other state or local law regulating construction.

PLAN EXAM. NAME/SIGNATURE	LICENSE NO.	DATE
<input checked="" type="checkbox"/> BUILDING	W0 2072253	
<input type="checkbox"/> MECHANICAL		
<input type="checkbox"/> ELECTRICAL		
<input type="checkbox"/> PLUMBING		
<input type="checkbox"/> STRUCTURAL		





OFFICE@GREENVIEW-OUTDOOR.COM
+1 888-777-1228

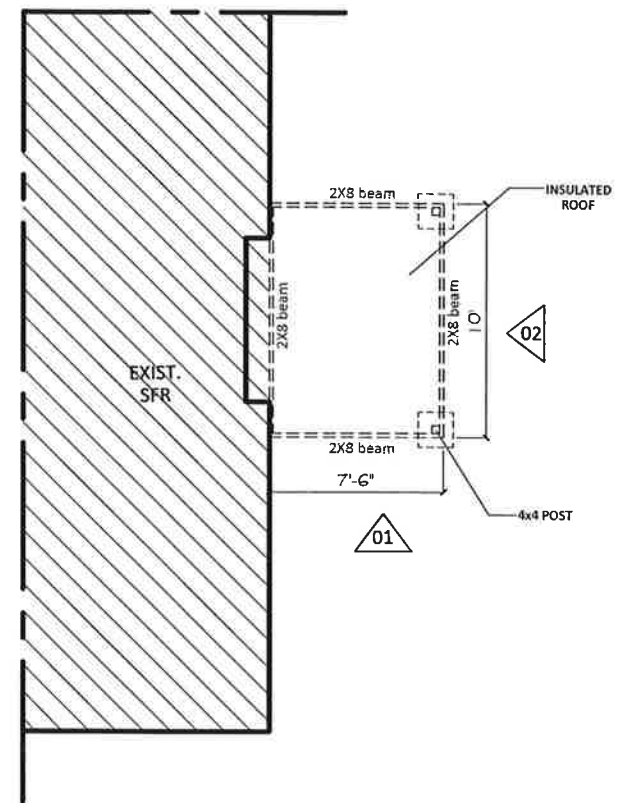
DESIGNED BY:

GREENVIEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:

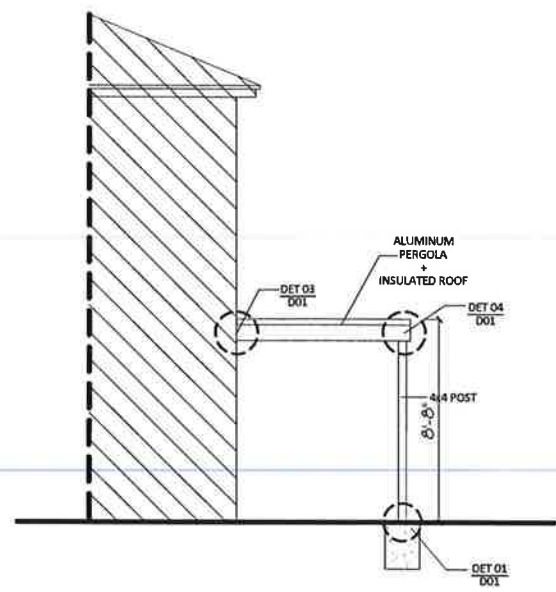
[DATE]

CHRISTOPHER COMMINS
6517 Cay Cir, Belle Isle

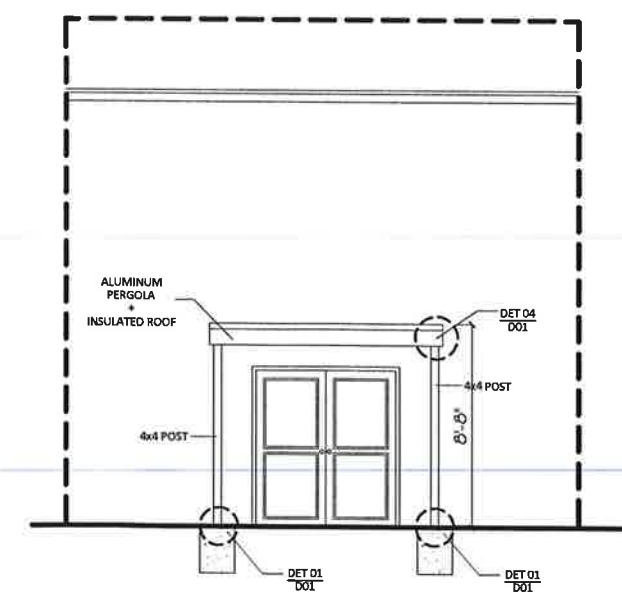


PERGOLA FLOOR PLAN
SCALE: 1/8" = 1'-0"

In the event of a conflict in member sizes shown on the plans and the general notes, the contractor must utilize the more stringent member size requirements.
Engineer: Michael Thompson, P.E. 47509/CA30930



LEFT ELEVATION/ VIEW 01
SCALE: 1/8" = 1'-0"



FRONT ELEVATION/ VIEW 02
SCALE: 1/8" = 1'-0"



REVISION	DATE

SHEET
ELEVATIONS

PAGE
A02



OFFICE@GREENVIEW-CUTDOOR.COM
+1 689-777-1226

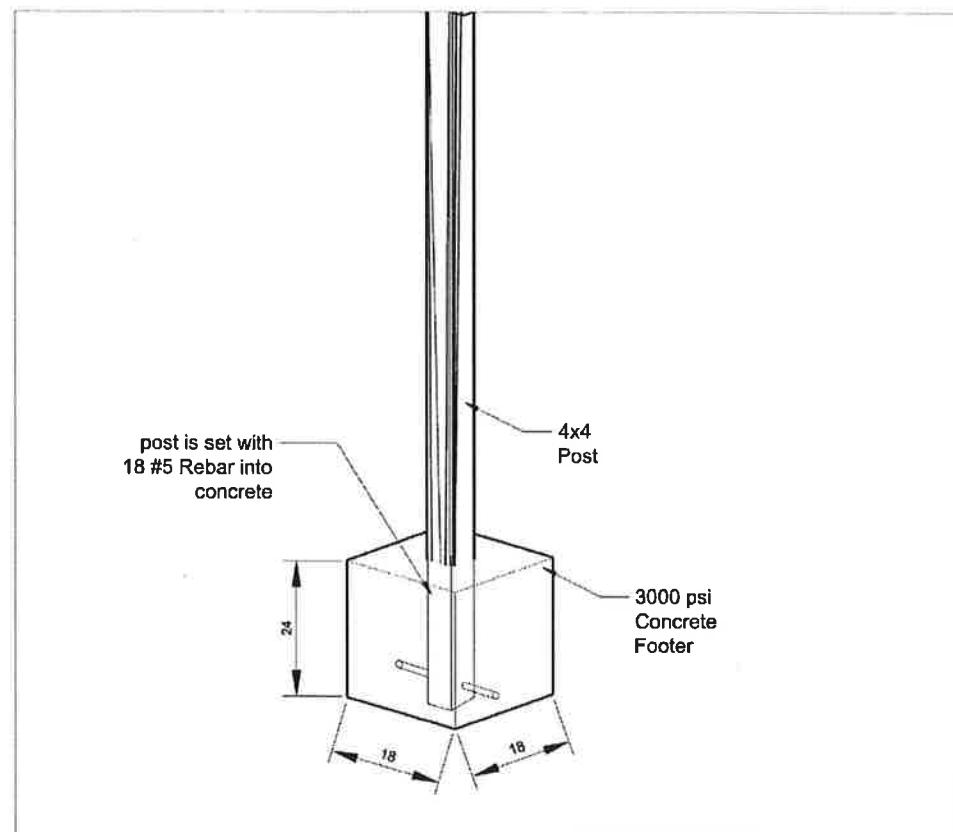
DESIGNED BY:

GREENVIEW OUTDOOR SOLUTIONS LLC

VERIFIED BY:

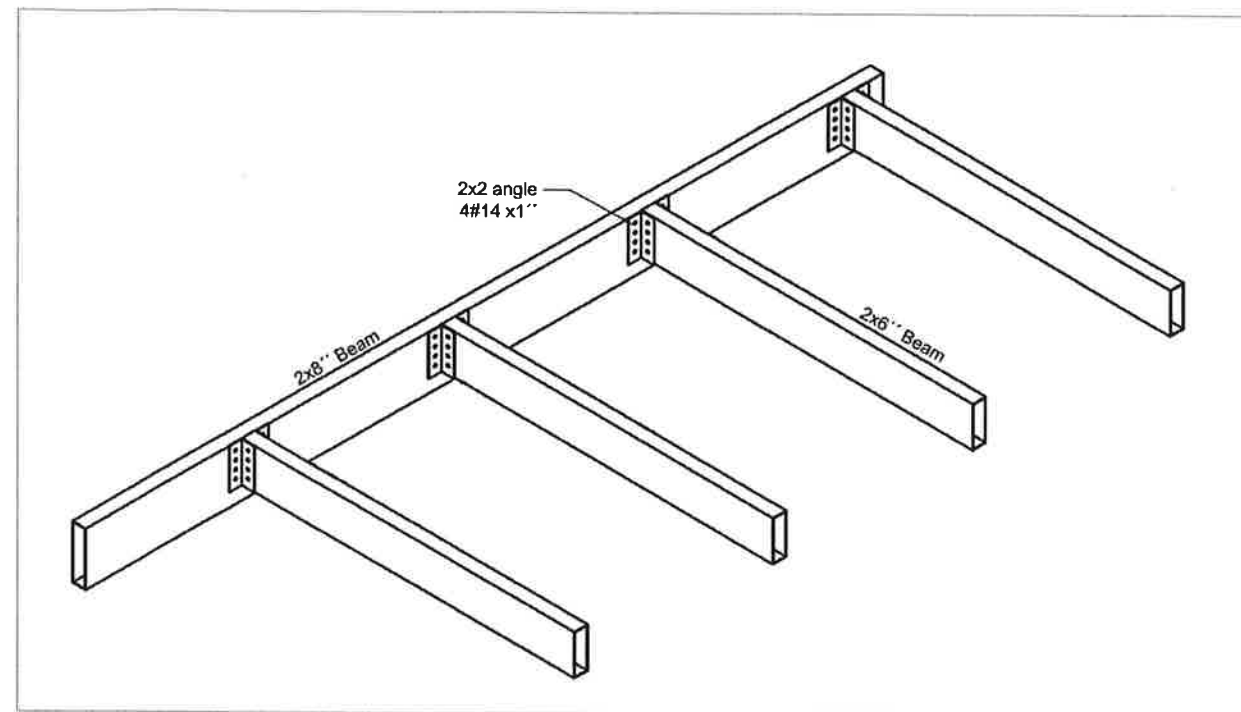
[DATE]

CHRISTOPHER COMMINS
6517 Cay Cir, Belle Isle



DETAIL 01

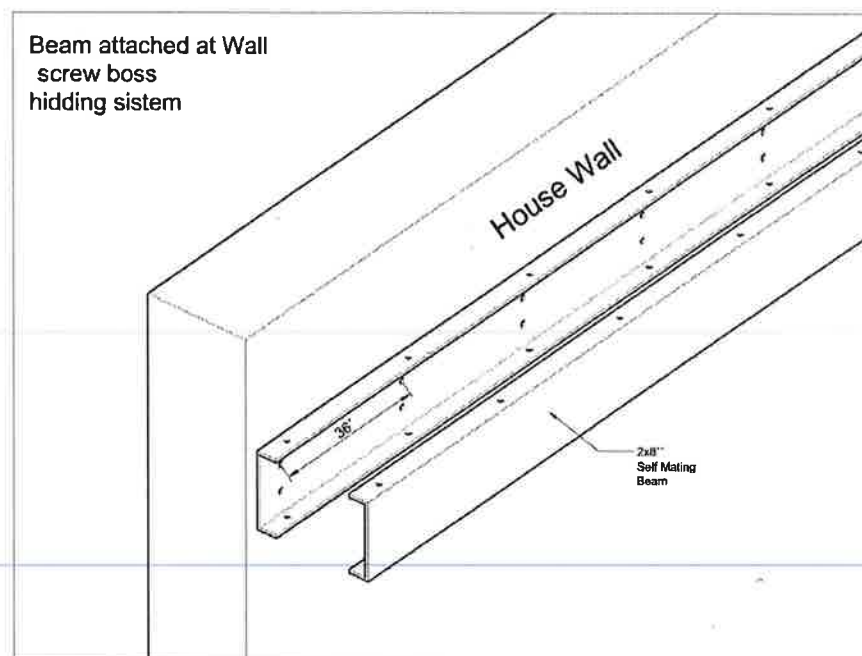
NTS



DETAIL 02

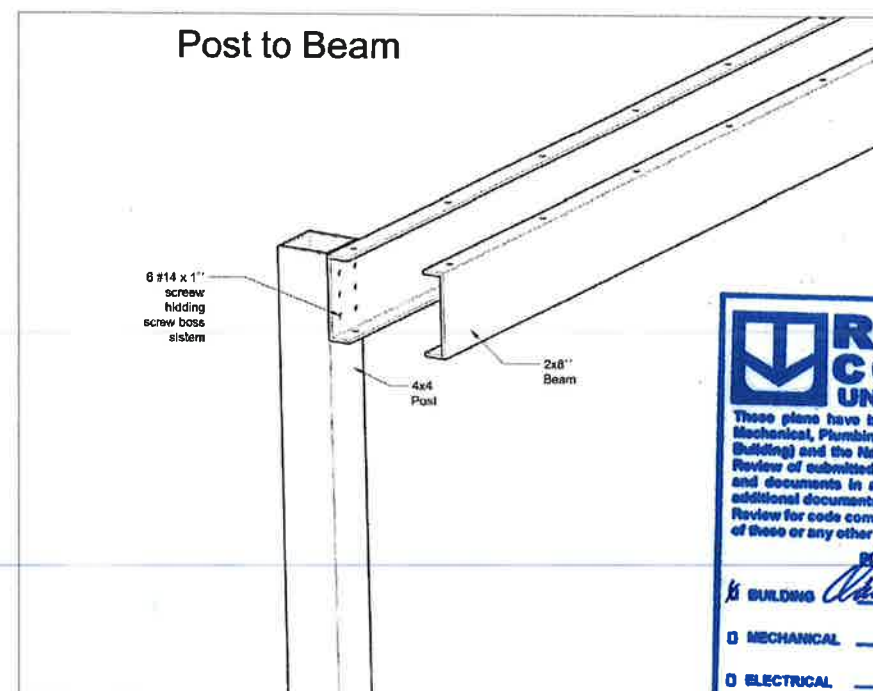
NTS

In the event of a conflict in member sizes shown on the plans and the general notes, the contractor must utilize the more stringent member size requirements.
Engineer: Michael Thompson, P.E. 47509/CA30930



DETAIL 03

NTS



DETAIL 04

NTS



REVIEWED FOR CODE COMPLIANCE
UNIVERSAL ENGINEERING SCIENCES

These plans have been reviewed for compliance with the Florida Building Code (Building, Mechanical, Plumbing, Fuel Gas, Residential, Energy Conservation, Accessibility, and Existing Building) and the National Electrical Code (NFPA 70) as adopted by the State of Florida. Plan Review of submitted documents is pursuant to requirements of Ch. 603 F.S. Review of plans and documents in accordance with The Florida Building Code does not include review of additional documents that may be otherwise required by the Authority Having Jurisdiction. Plan Review for code compliance does not relieve the permit holder from compliance with provisions of these or any other state or local law regulating construction.

EXAMINER NAME/SIGNATURE: *Michael Thompson* LICENSE NO.: *FX1453* DATE: *03-31-22*

BUILDING
 MECHANICAL
 ELECTRICAL
 PLUMBING
 STRUCTURAL

REVISION DATE

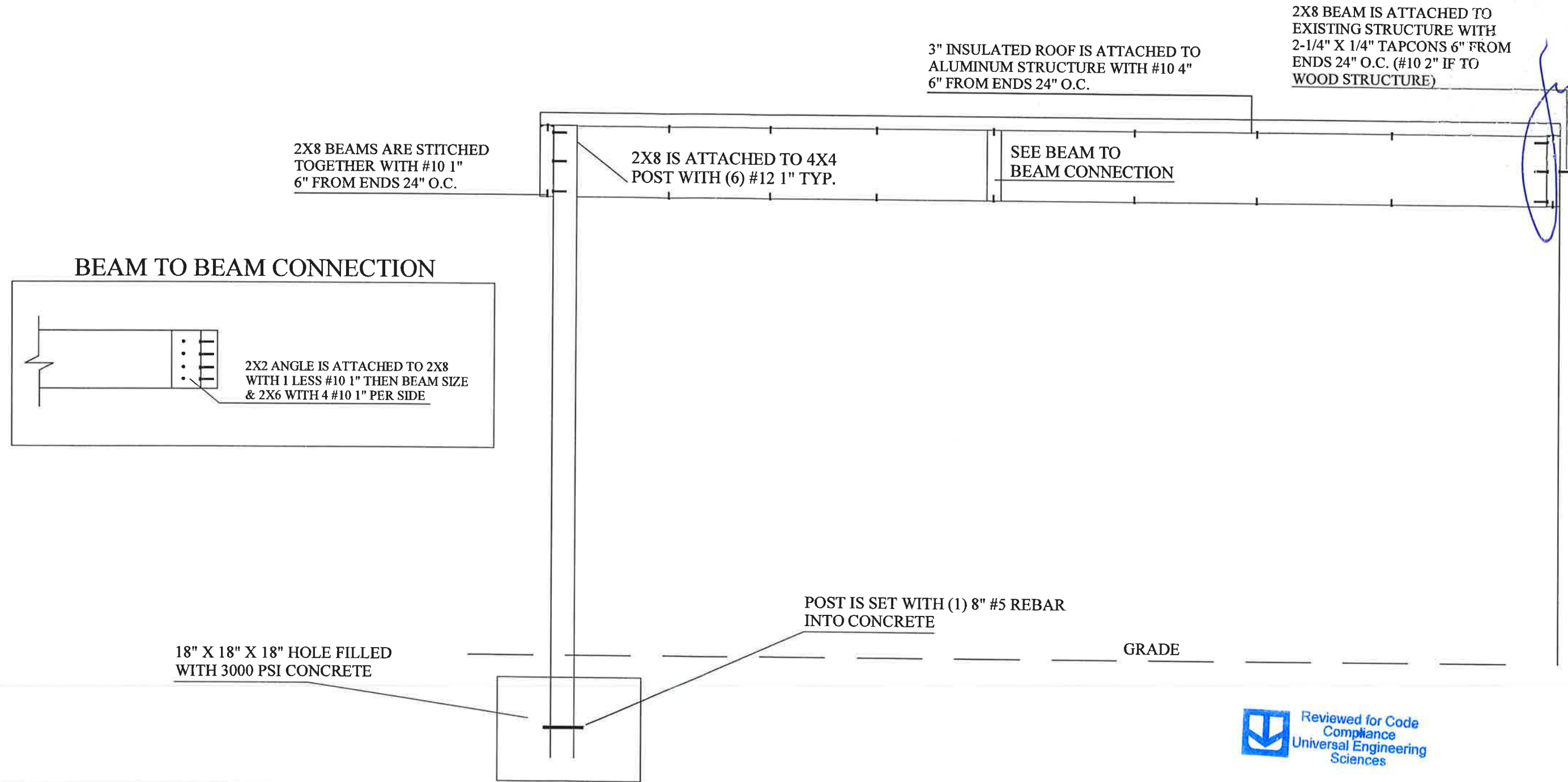
SHEET

PERGOLA
DETAILS

PAGE

D01

ALUMINUM SCREEN DESIGN



Reviewed for Code Compliance
Universal Engineering Sciences

ALUMINUMSCREENDSIGN.COM
ALUMINUMSCREENDSIGN
@YAHOO.COM
PHONE: 407-734-1470
FAX: 407-734-1790

DESIGN STATEMENT

METAL IS .046 THICKNESS OR GREATER, ALLOY IS 6005-T5
ALL TAPCONS SHALL PROVIDE MINIMUM OF 1 1/8" CONCRETE EMBEDMENT DEPTH

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE TO MEET THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE FOR OPEN AND SEMI-OPEN STRUCTURES AND SHALL WITH STAND ULTIMATE WIND SPEEDS OF 130 MPH (FOR 3 SECOND GUSTS) NOMINAL SPEED 101.4 MPH UP TO A 15FT ROOF HEIGHT, FACTOR OF 1.0, AND EXPOSURE C, RISK CATEGORY 1. CONTRACTOR SHALL FIELD VERIFY ALL PLANS DIMENSIONS PRIOR TO MATERIAL PURCHASE, FABRICATION AND CONSTRUCTION CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD SITE CONDITIONS DIFFER FROM CONSTRUCTION PLANS

MICHAEL THOMPSON
4401 VINELAND ROAD
SUITE A6
ORLANDO, FL 32811
P.E. # 47509
CA#30930