3450 Duck Avenue

1 market-rate & 1 affordable-rate





GREGORY S. OROPEZA | ADELE VIRGINIA STONES | SUSAN M. CARDENAS

VIA HAND DELIVERY

December 4, 2020

Katie Halloran, Director of Planning City of Key West Planning Department 1300 White Street Key West, FL 33040

RE:

Request for Market Rate and Accessory Unit Building Permit Allocation System Allocation for 3450 Duck Avenue, Key West, Florida 33040:

Dear Ms. Halloran:

Please allow this correspondence to serve as an application for one (1) market rate and one (1) accessory unit residential Building Permit Allocation System ("BPAS") unit (the "BPAS Unit") on behalf of JKMH Partners LLC ("Applicant"). As counsel for JKMH Partners LLC, my firm submits the following Application and supporting documents for your consideration:

Title Block:

a. Name of Owner:

JKMH Partners LLC

b. Scale:

1" = 40

c. North Arrow:

As identified on the site plan

d. Preparation/Revision Date:

October 26, 2020

Identification of Key Persons:

a. Owner:

JKMH Partners LLC

b. Owner's Authorized Agent:

Oropeza, Stones & Cardenas, PLLC

c. Engineer:

Campbell Engineering Consultants LLC

d. Surveyor:

O'Flynn Surveying

e. The undersigned certifies that all individuals/entities with a legal and equitable interest in the Property are as follows: JKMH Partners LLC and Jay Fairbanks.

Project Description: The proposed project is to construct a single-family home and accompanying accessory unit on the SF zoned subject lot.

Katie Halloran, Director of Planning December 4, 2020 Page Two

Other Project Information:

- a. Proposed Phases of Development and Target Dates: Single Phase.
- b. Expected Date of Completion On or before one year from issuance of BPAS Unit.

Intergovernmental Coordination:

All intergovernmental coordination shall be completed in accordance with the Development Agreement.

Description of Proposed Development and Use:

The proposed development shall consist of one (1) market rate and one (1) accessory unit structure which shall comply with the requirements of the Land Development Code. Currently, the property is a vacant lot as a result of the demolition of a non-conforming commercial structure.

Solution Statement:

The proposed single-family structure will be raised above the required 1.5' above Base Flood Elevation. The construction will comply with the baseline Florida Green Building Code.

Thank you for your consideration of this Application and attendant documents. We look forward to working with you and Planning staff on this project.

Very truly yours,

Gregory S. Oropeza, Esq.

GSO:gg Enclosures



Building Permit Allocation System (BPAS) Application

(Year 8: July 1, 2020-June 30, 2021)

City of Key West, Florida • Planning Department
1300 White Street • Key West, Florida 33040-4602 • 305-809-3764 • www.cityofkeywest-fl.gov

Application Fee: \$1,155.00 (Market-Rate) \$525.00 (Affordable-Rate)

A.	APPLICANT / AGENT (if applicable): Proper	rty owner must submit a notarized authorization form
	authorizing the applicant / agent to act on their behalf	(Exhibit A).
	Name: Gregory S. Oropeza, Esq./Oro	peza, Stones & Cardenas, PLLC
	Mailing Address: 221 Simonton Street	
	City: Key West	State: FL Zip: 33040
	Home/Mobile Phone:	Office: 305-294-0252
	Email: greg@oropezastonescardenas.	com
	PROPERTY OWNER:	
	Name: JKMH Partners LLC	
	Mailing Address: 221 Simonton Street	
	City: Key West	State:_FL Zip: 33040
	Home/Mobile Phone:	Office: 305-294-0252
	Email: greg@oropezastonescardenas.com	n
	PROPERTY DESCRIPTION AND ZONING INFO	ORMATION:
	Site Address: 3450 Duck Avenye	
	Parcel ID RE#:00053150-000000	Alternate Key: 1053783
	Zoning District: SF	Size of Site: 12,000 sq. ft.
	Density Allowed: One (1) Unit	Commercial Floor Area: N/A
B.	EXISTING DEVELOPMENT:	
	Please provide a brief description of how the property	is currently used:
	<pre>Vacant land, formerly a non-conf</pre>	forming commercial building.

EXISTING AND PROPOSED DWELLING UNIT INFORMATION					
	NUME	BER OF DWELLING	UNITS:		
DWELLING UNIT DESCRIPTION	EXISTING	LICENSED RECOGNIZED	PROPOSED		
Market-Rate Residential Dwelling Unit(s)	0	0	1		
Affordable ResidentialDwelling Unit(s)2	0	0	0		
Transient Unit(s)	0	0	N/A		
Accessory Dwelling Unit(s)3	0	0	1		
Single Room Occupancy Unit(s)	0	0	0		
Nursing Home Unit(s)	0	0	0		
Total Number of Units Requested			2		

¹ Please provide City Licensing Records from the Building Department.

C. PROPOSED DEVELOPMENT:

Plea	ase indicate the scope of the proposed development as it relates to the BPAS (Section 108-997 (B)).						
X	Major construction / renovation - meaning new development, additions to existing structures, or						
	redevelopment constituting more than 50% of the value of the existing building.						
	Minor renovation- meaning redevelopment constituting less than 50% of the value of the existing building.						
Are Is th Are	s this property located within a Historic Zoning District? Are buildings on the property listed as contributing historic structures? So the proposal for mixed residential and commercial use? Are density bonuses proposed? Advanced affordable allocation request? Yes No X No X No X No X No X No X No X						
Will	the allocation require development review? Yes Noxx						
If ye	s, please specific what type of development review will be required:						
	Major Development Plan Variance(s) Lawful UnitDetermination Minor Development Plan Beneficial Use Transient Transfer Tree Commission Other						

² Standalone Affordable Housing projects are subject to Section 122-1467(c), (d), (e), and (f) of the Workforce Housing Ordinance. Applicant Eligibility Requirements are subject to Section 122-1469 (1) through (15) of the Workforce Housing Ordinance. Affordable housing projects enabled by federal tax credit housing are not subject to 122-1467(c).

³ Accessory dwelling units in the SF zoning district are subject to Section 122-231 through 122-238 of the Land development Regulations.

D. APPLICANTS MUST ATTACH <u>ALL</u> DOCUMENTATION REQUESTED BELOW:

1. Description of Proposed Development and Use. Please be specific, describe and list existing, and proposed buildings and uses, accessory structures and uses, type and number of dwelling units, parking, etc. If there is more than one use, describe in detail the nature of each use (Please reference Sections 108-226 through 108-232). For properties proposing to utilize density bonuses for compact infill development projects, please include a description of how the project meets the criteria established in Code Section 108-998 and an analysis of how many density bonus units are requested.

2. Solution Statement.

- a. Describe aspects of the design that address community issues including but not limited to water pollution from stormwater runoff, potable water conservation, waste disposal, recycling, energy conservation, historic and archeological resource protection, affordable housing, and impacts on neighbors such as lighting, noise, traffic, and parking.
- b. Describe how you intend to meet the Prerequisites (A or B described below) for a Major or Minor construction/renovation project (City Code Section 108-997 (B)): (A)Major Construction/Renovation Prerequisites. The minimum standards for new development, including additions to existing structures, or redevelopment constituting more than 50% of the value of the building, required in order to be eligible to receive an allocation award from the BPAS system are as follows:
 - a. All new units shall be constructed in compliance with and obtain a Baseline Green Building Certification.
 - b. All new buildings shall be constructed to have the **first habitable floor 1.5 feet above the required base flood elevation**, except for properties located within the historic zoning districts, where the applicant must first demonstrate that such elevation does not interfere with the essential form and integrity of properties in the neighborhood by obtaining a certificate of appropriateness.
 - c. All new buildings shall be constructed with a **rainwater catchment system** that will hold a minimum of 300 gallons of water or an amount equivalent to 100% of the new roof area in gallons whichever is greater.

 * (See page 4 of application.)
 - (B)Minor Renovation Prerequisites. For development constituting less than 50% of the value of the existing building, the applicant must demonstrate water and energy use 15% below the Florida Building Code using recognized energy and water rating standards by providing a copy of the Required Energy and Water Baseline Report consisting of 12 months of energy and water use. For Commercial buildings (including multifamily), building data must be input into EPE Portfolio Manager (https://www.energystar.gov/istar/pmpam/), and access to building data given to the City of Key West. For residential, either Energy Gauge or RESNET may be used to establish a baseline. Please provide a description of 15% of both water and energy use will be reduced on the property.

X	3.	Copy of current, recorded warranty deed. Quit claim deeds will not be accepted.
	4.	Up-to-date signed and sealed survey (Section 108-240).
	5.	Flood Elevation Certificates (New Construction) (Section 34-127).

Х	6.	Copy of City licensing records for existing units.
X	7.	Signed and Notarized Verification and Authorization Forms (Exhibit A).
X	8.	Existing and Proposed Site Plan and Floor Plan (Section 108-237) that shall include a
		completed Site Data Table (Exhibit B).
X	9.	Completed BPAS Estimated Score Sheet and Estimated total Points to be achieved
		(Exhibit C).
Х	10.	Signed and Notarized BPAS Certification Form (Exhibit D).
X	11.	Copy of LEED or FGBC Score Sheet (Exhibit E) or a copy of the required energy and
		water baseline report as described in Attachment 2. Solution Statement (b.) Babove.
*,	An a	pplicant may request to be exempted from the rainwater catchment requirement, if:

(i) The applicant is voluntarily providing affordable housing at median or low-income classification which exceeds the requirements of section 122-1467 by at least twenty

percent.

(ii) The applicant seeks to create an accessory unit(s) but the impervious surface and/ or building coverage ratio maximums for parcel have been met or exceeded, and the applicant contributes a fee of \$2 per required gallon in mitigation to the City's storm water fund.

Authorization & Verification



City of Key West Planning Department

Authorization Form

(Where Owner is a Business Entity)

Please complete this form if someone other than the owner is representing the property owner in this matter.

I, Jonathan J. Fairbank	as
Please Print Name of person with authority to	
of	KMH Partners LLC
Name of office (President, Managing Member)	Name of owner from deed
authorize Gregory S. Oropeza, Esq./Orop	
to be the representative for this application and act on my	/our behalf before the City of Key West.
× 1/1	
Signature of person with authority to execute	documents on behalf of entity owner
Subscribed and sworn to (or affirmed) before me on this	12-4-2020
•	Date
by Jonathan J. Fairbank Name of person with authority to execute de	ocuments on behalf of entity owner
He/She is personally known to me or has presented	as identification.
97 ran	***
Notary's Signature and Seal	Notary Public State of Florida Gregory Oropeza My Commission GG 221725 Expires 07/01/2022
Name of Acknowledger typed, printed or stamped	······································
Commission Number if any	



City of Key West Planning Department Verification Form

(Where Applicant is an entity)

I, Gregory S. Oropeza, in my capacity as (print name)	Manager (print position; president, managing member)
of Oropeza, Stones & Cardenas, PI	LC
(print name	
being duly sworn, depose and say that I am the Authorithe deed), for the following property identified as the su	
3450 Duck Avenue	
Street address of su	bject property
I, the undersigned, declare under penalty of perjury under Authorized Representative of the property involved in drawings and sketches attached hereto and all the statement true and correct.	this application; that the information on all plans,
In the event the City or the Planning Department relie untrue or incorrect, any action or approval based on said	
Signature of Applicant	
Subscribed and sworn to (or affirmed) before me on thi Gregory S. Oropeza	s Dec. 4, 2020 by date
Name of Applicant	
He/She is personally known to me or has presented	as identification.
Patrui Dan Danit Notary's Signature and Seal	Notary Public State of Florida Patricia Gae Ganister My Commission GG 241871 Expires 09/20/2022
Name of Acknowledger typed, printed or stamped	
Commission Number, if any	

Warranty Deed

Doc# 1986509 06/17/2014 3:33PN Filed & Recorded in Official Records of MONROE COUNTY AMY HEAVILIN

06/17/2014 3:33PM DEED DOC STAMP CL: Krys

\$4,760.00

Prepared by and return to:
Monica Hornyak
Real Estate Closer
Spottswood, Spottswood & Spottswood
500 Fleming Street
Key West, FL 33040
305-294-9556
File Number: 14-209-EM

Will Call No .:

Doc# 1986509 Bk# 2690 Pg# 20

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 13th day of June, 2014 between DUCK BAKERY, LLC, A Florida limited liability company whose post office address is 201 Front Street, Suite 107, Key West, FL 33040, grantor, and JKMH PARTNERS, LLC, a Florida limited liability company whose post office address is 3440 Duck Avenue, Key West, FL 33040, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Monroe County, Florida to-wit:

Lots 22, 23 and 24, Block 10, KEY WEST FOUNDATION COMPANY'S PLAT NO. 2, according to the Plat thereof, recorded in Plat Book 1, Page 189 of the Public Records of Monroe County, Florida.

Parcel Identification Number: 00053150-000000

SUBJECT TO: Taxes for the current and subsequent years.

SUBJECT TO: Conditions, limitations, easements and restrictions of record, if any.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2013.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Si

Doc# 1986500

Signed, sealed and delivered in our presence:	Bk# 2690 Pg# 21
	DUCK BAKERY, LLC, A Florida limited liability company
Witness Name: Benjamin N McPhelson Witness Name: Freday Varela	By: Edwin O. Swift, III, Managing Member
	By: Mancy Swift, Managing Member
	Ed Sw.
	By: Christopher C. Belland, Managing Member by Edwin O. Swift, III, Managing Member
	(Seal)
State of Florida County of Monroe	
Member, Nancy Swift, Managing Member and Christop	1/4 (/ /
[Notary Seal]	Notary Public Cakes
MARION HOPE CASAS Commission # EE 181270 Expires July 21, 2016	Printed Name: MARION HOPE CASAS
Bonded Thru Troy Fain Insurance 800-385-7019	My Commission Expires:

My Commission Expires:

MONROE COUNTY OFFICIAL RECORDS

Survey

Boundary Survey Map of Lot 24, Block 10, KEY WEST FOUNDATION CO'S PLAT NO. 2, Key West, FL -R/W Line Edge of Pavement D u c kv e60' (R\W) Concrete Curb Wood Fence 0.5' Clear Planter 24.96° Concrete Sidewalk -R/W Line 49.96' (m) Sidewalk Curve Data Radius=25.00' Delta=89*54'40" Arc=39.23' Ω 120, *LEGEND* Found 1" Iron Pipe (No ID) (R/W) Set 3/4" Iron Pipe w/cap (6298) Found 1/2" Iron Rod (5234) Found Nail & Disc (5234) "Vacant" Lot 23 Set Nail & Disc (6298) (M)Measured Lot 24 (3) (R) (M/R) Measured & Record Block 10 C.B.S. Concrete Block Structure Right of Way CLF Chain Link Fence Centerline 0 Wood Utility Pole Concrete Utility Pole -P- Overhead Utility Lines Utility Easement 30.0 49.81 Plastic Fence 0.4 In Plastic Fence Not a Part of This Plat NOTES: 1. The legal description shown hereon was furnished by the client or their agent. This survey does not determine or imply ownership. 2. Underground foundations and utilities were not located. 3. All angles are 90° (Measured & Record) unless otherwise noted. 4. Street address: 3450 Duck Ave. Key West. FL. 5. This survey is not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper. 6. Lands shown hereon were not abstracted for rights-of-way, easements, ownership, or other instruments of record. 7. North Arrow is assumed and based on the legal description. 8. Date of field work: July 20, 2020 9. Ownership of fences is undeterminable, unless otherwise noted. BOUNDARY SURVEY OF: Lot 24, Block 10, of KEY WEST FOUNDATION COMPANY'S PLAT NO. 2, according to the plat thereof as recorded in Plat Book 1, Page 189, of the Public Records of Monroe County, Florida. BOUNDARY SURVEY FOR: Jonathan Fairbank; I HEREBY CERTIFY that this survey was made under my responsible charge and meets the Standard of Practice as set forth by the Florida Board of Professional Surveyors & Mappers in Chapter 5J-17, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes. J. LYNN O'FLYNN, INC. J. LYNN O'FLYNN, Inc. Professional Surveyor & Mapper PSM #6298 J. Lynn O'Flynn, PSM THIS SURVEY Florida Reg #6298 IS NOT **ASSIGNABLE** 3430 Duck Ave., Key West, FL 33040 305) 296-7422 FAX (305) 296-2244 (305) 296-7422

July 21, 2020

Site Plans

SITE DATA

SITE ADDRESS:

3450 DUCK AVE, KEY WEST, FLORIDA 33043

LEGAL DESC .:

KW FWDN SUB PLAT 2 PB1-189 LTS 23 AND 24 SQR 10 G48-97/103

FLOOD ZONE:

AE (EL 7') MAP & PANEL 12087C 1509K; EFFECTIVE 02-18-2005

LOT AREA:

5,853.6 SF

ZONING:

SINGLE FAMILY RESIDENTIAL

F.L.U.M.:

LOW DENSITY RESIDENTIAL

SETBACKS:

FRONT - 20 FT

STREET SIDE - 10 FT; SIDE - 5 FT

REAR - 25 FT

MAX. BUILDING HEIGHT:

30 FT

MAX. BUILDING COVERAGE:

35% (MAX. IMPERVIOUS - 50%)

DESIGN DATA

DESIGN LOADS (MINIMUM):

ROOF DEAD LOAD

17 PSF (METAL)

20 PSF

ROOF LIVE LOAD

7PSF

DEAD LOAD FOR UPLIFT CALCULATION

20 PSF

FLOOR DEAD LOAD (WOOD FRAMING)

FLOOR DEAD LOAD (12" CONCRETE) 150 PSF FLOOR LIVE LOAD (LIVING AREAS)

40 PSF

200 LBS

FLOOR LIVE LOAD (BALCONY AREAS)

60 PSF

STAIRS LIVE LOAD

60 PSF AND 300 LBS NON-CONCURRENT

GUARD RAILS/HANDRAILS

WIND DESIGN SPECIFICATIONS:

BUILDING OCCUPANCY CATEGORY

CONSTRUCTION TYPE

WIND SPEED

ULTIMATE (LRFD) =

180 MPH

ENCLOSED

+/- 0.18

YES

VB

ALLOWABLE (ASD)=

WIND EXPOSURE CATEGORY

ENCLOSURE CLASSIFICATION

INTERNAL PRESSURE COEFFICIENT

WIND-BORNE DEBRIS AREA

REFER TO DRAWINGS FOR STRUCTURE HEIGHT AND AREA

STRUCTURAL LOADS AND DESIGN PRESSURES LISTED IN THESE PLANS ARE ALLOWABLE

(ASD) UNLESS NOTED OTHERWISE

3450 DUCK AVENUE, KEY WEST, FL



LOCATION MAP NOT TO SCALE



DRAWING INDEX

PROJECT INFORMATION GENERAL NOTES

SP SITE PLAN

PROPOSED FLOOR PLANS

A-2 PROPOSED ELEVATIONS

ACCESSORY UNIT PLANS & ELEVATIONS A-3

E-1 ELECTRICAL PLANS M-1

P-1

MECHANICAL PLANS PLUMBING LAYOUT PLANS

FOUNDATION & FIRST FLOOR FRAMING PLANS S-1

S-2 SECOND FLOOR & ROOF FRAMING PLANS ACCESSORY UNIT STRUCTURAL PLANS S-3

S-4 STRUCTURAL SECTIONS

STRUCTURAL DETAILS

SCOPE OF WORK

 NEW RESIDENTIAL CONSTRUCTION NEW ACCESSORY UNIT CONSTRUCTION

DESIGN CODE

2017 FLORIDA BUILDING CODE, 6th EDITION, BUILDING, FBC 2017 FLORIDA BUILDING CODE, 6th EDITION, RESIDENTIAL, FBC-R

2017 FLORIDA MECHANICAL CODE FBC-M 2014 NATIONAL ELECTRICAL CODE, NEC 2014

2017 FLORIDA PLUMBING CODE, FBC-P 2017 FLORIDA FUEL GAS CODE, 6th EDITION, FFPC

FLORIDA FIRE PREVENTION CODE, FBC-FG NATIONAL FIRE PROTECTION ASSOCIATION, NEBA

COVER SHEET

ABBREVIATIONS

A.B. Abv. A/C Adj. A.F.F. Fixed Glass Floor Foundation Floor System Plate Height Plant Shelf Pounds per square foot Pressure Treated Powder Room Anchor Bolt Above Air-Conditioner Adjustable Pwd. Rad. Ref. Reg'd. Rm. Rnd. R & SH Above Finished Floor Radius Refrigerator Required Room Air Handler Unit Field Verify Fixed Base Cabinet Bifold Door Below Finished Floor Galvanized Book Shelf General Contractor Ground Fault Interrupter Rod and Shelf Smoke Detector Girder Truss Bottom Square Ft. Bypass door Header Height Hose Bibb Side Lights Spruce Pine Fir Interior Kneewall Square Southern Yellow Pine A/C Compressor Ceramic Tile Knee Space Temp.
Thik'n.
T.O.B.
T.O.P.
Trans.
Typ.
UCL
U.N.O.
VB
Vert. Laun. Tempered Laundry Lavatory Thicken Top of Block Top of Masonry Decorative Linear F Dedicated Outlet Laundry Tub Masonry Top of Plate Transom Window Diameter Maximum Typical Under Cabinet Lighting Unless Noted Otherwise isposal Medicine Cabinet istance Manufacturer Drawer Stack Microwave Minimum Oryer Vent ishwasher Microlam Versalam V.L. VP VTR Vapor Protected Vent through Roof Washer Monolithic Not to Scale Opening Elevation

)ptional

Pedestal

Parallam Pounds per linear foot

Water Closet

Wood Water Proof

Wedge Anchor

Piece

Exterior

expansion

Florida Bldg. Code Florida Bldg. Code Resid. Finished Floor

PROJECT #:

PLANS ARE NOT

VALID UNLESS

SIGNED AND DATED

Date:

OCTOBER 26, 2020

SHEET 1 of 14

SHEET#

GENERAL NOTES

STRUCTURAL LUMBER

- 1. All wood members shall meet or exceed requirements stated in "ANSI/AF&PA National Design Specification for Wood Construction" and all referenced standards.
- 2. All wood members shall be Southern Pine #2, MC 19%, NO. 2 Dense or greater kiln dried as referenced in the Standards.
- 3. All wood members exposed to the exterior or directly contacting concrete or steel shall be Pressure Treated (PT) UC3B grade per AWPA Standards and treated with chemicals to protect from insects and decay. Allow wood to dry after treatement.
- 4. All field cuts in Pressure Treated lumber shall be treated on site.
- 5. Nailing shall be in accordance with FBC 2017. Nails and other fasteners for Pressure Treated wood shall be Stainless Steel or ACQ Approved treated.
- 6. Sheathing shall be $\frac{19}{37}$ CDX Plywood Sheathing Grade, unless otherwise stated specified in the plans.
- 7. Use 10d ring-shank nails with spacing of 4" o.c. on all edges and 6" o.c. in the field with all edges blocked.
- 8. Cutting and notching of wood members including but not limited to floor joist shall not exceed one-sixth of the depth of the member and cannot be located in the middle one-third of
- 9. The depth of the notching at the ends of the wood members shall not exceed one-fourth of the depth of the member.
- 10. Beams, joist, and rafters with a thickness equal or greater than 4" shall only be notched at the ends of the members and shall not be notched on the tension side of the member.
- 11. Holes cut into wood members shall have a diameter less than one-third of the depth of the member and shall not be located closer than two inches to the top or bottom of the member.
- 12. Blocking shall be placed between all joist at a spacing not to exceed 8' on center.
- 13. Install Simpson LUS Series Galvanized Joist Hangers at locations where structural wood members including but not limited to joist and beams connect into other members

- Hardware shall meet or exceed 304 Stainless Steel properties or be Zmax galvanized for non exposed Simpson products, unless otherwise specified.
- All connectors shall have stainless steel screws and fasteners or ACQ Approved treated for non exposed areas.
- 3. All connectors and fasteners shall be applicable for use and compatible with pressure treated wood.
- 4. Apply a bond breaker between the wood surface an any connector or fastener that is not compatible with pressure treated wood.
- 5. All connectors and fasteners shall be manufactured by Simpson Strong Tie or an approved equal and installed as per the manufactures recommendations prior to loading the connected wood member.
- 6. All structural members shall have a connector or fastener securing and anchoring the member for hurricane protection.

CAST IN PLACE CONCRETE

- The concrete shall have the following properties:
- 1. Compressive strength at 28 days equal to or greater than 4000PSI
- 2. Ready Mix as per ASTM C94
- 3. Type 1 Portland Cement shall adhere to ASTM C 150
- 4. Normal weight aggregates shall adhere to ASTM C33
- 5. Light weight aggregates shall adhere to ASTM C330
- 6. No calcium chloride
- 7. Air entraining shall adhere to ASTM C260
- 8. Water reducing shall adhere to ASTM C494
- 9. Water used shall be fresh water which is clean and potable
- 10. Concrete slump range shall be within the range of 3" to 5" unless otherwise stated.
- 11. Applicable code is ACI 318 latest addition and ACI 301.

FOUNDATION AND CONCRETE

- All footings including shall be placed on firm, undisturbed, natural rock unless otherwise noted.
- 2. All footings shall be centered under the walls, columns, or specified line unless otherwise noted 3. Auger piles shall be drilled no less than 3' into the cap rock and must be 16" in diameter unless otherwise noted.
- 4. All exposed concrete edges shall be constructed and finished with a $\frac{1}{2}$ " chamfer edge.
- All concrete works including but not limited to mixing, placing, and curing shall conform with ACI 305R Hot Weather Concrete.
- 6. Concrete shall be water cured with a continuous flow of water over the surface of the concrete for 7 days or until 75% concrete compressive strength has been achieved. At this time, a concrete curing compound shall be applied to the surface of the concrete while the concrete is still damp or moist from the prior water curing event.
- 7. All soil below the concrete slab on grade shall be treated and covered with a 10MIL vapor barrier.

REINFORCING STEEL

- The reinforcing steel shall be ASTM A615 Grade 60.
- The splicing length shall be 45 times the bar diameter unless otherwise noted.
- 3. The rebar shall have a minimum clear cover of 3" for concrete placed at the existing grade elevation and a 2" minimum clear cover for concrete placed above the referenced elevation unless otherwise noted.
- 4. The welded wire fabric shall be in conformance with ASTM A-185.
- 5. The splice length of the welded wire fabric shall be one full mesh section with the ends and sides connected by tie wire.
- 6. All rebar accessories including but not limited to rebar chairs shall be installed in accordance with ACI 318.

GENERAL REQUIREMENTS

- 1. Prior to starting any work the Contractor shall review these plans and site conditions and notify the Engineer if any discrepancies are discovered or conflicts with these plans,
- specifications, or dimensions which affect the execution of construction or safety. 2. This set of plans is solely intended to be utilized for construction at the specified location.
- 3. The Contractor shall not scale the drawings and shall request additional information required for construction from the Engineer of Record.
- 4. The Contractor shall be responsible for calling Sunshine Utility Locate Service prior to performing any construction activities in any areas which underground utilities may be present. The Engineer of Record shall not be responsible for providing the location of utilities.
- 5. The Engineer of Record is not responsible for the supervision of the Contractor nor their employees during the construction.
- 6. The Contractor is responsible for providing and implementing the means and methods for the construction process and perform all works in conformance with the standards and requirements of the 2017 Florida Building Code, manufacturer's recommendations, local county and city codes and ordinances, and specifications referenced within these plans.
- 7. The Contractor must complete the construction in accordance with the Building Envelope Energy Requirements of the Florida Model Energy Code.
- Quality of the work must meet or exceed the industry standard practices.
- 9. Any deviations from these plans shall be reviewed and approved by the Engineer of Record.
- 10. Install shoring as required for all structural members of the existing structure.
- 11. Contractor is responsible for all means and methods as required to improve or maintain the existing condition, structural integrity, and safety of the structure including but not limited to the design and installation of structural shoring or tie-downs and diligently performing works. The contractor is responsible for the safety of all personnel entering the designated working area.
- 12. The Contractor shall coordinate their work with all other trades in order to avoid scheduling conflicts.
- 13. The Engineer of Record certifying this document shall not be held liable for any financial or time related damages including but not limited to damages to the structure, personnel, time related delays, and structural issues that result from the construction in accordance with the applicable specifications of this certified document. The Contractor shall notify the Engineer of Record if any conditions or issues arise that do not adhere to the details specified.
- PORTLAND CEMENT PLASTERING STUCCO NOTES
- The Contractor shall perform all work in conformance with the 2017 Florida Building Code.
- Comply with ASTM C 926 in regards to project conditions while performing plastering/stucco works.
- 3. PVC Lath shall be fabricated from PVC, paper backed, and self furring. The product shall be Plastic Components, Inc. Ultra Plastic Lath or approved equal.
- 4. All accessories shall comply with ASTM C 1063 5. Plastic accessories shall be high impact PVC.
- 6. Corner beads shall be small nose corner beads with perforated flanges.
- 7. Casing beads shall be bull nose style.
- 8. Control joints shall be one piece, M-shaped configuration, with perforated flanges and removable protective tape on plaster face of control joint.

PORTLAND CEMENT PLASTERING STUCCO NOTES (cont'd)

- 9. Expansion joints shall be two piece, formed with a slip joint and square edge 1 -1/2" wide reveal with perforated concealed flanges.
- 10. Water for mixing shall be potable and free of any contaminants.
- 11. Fiber for base coat shall be alkaline resistant glass or polypropylene fibers 1 /2 inch long, free of contaminants, manufactured for use in portland cement plaster.
- 12. The bonding compound shall conform with ASTM C 932
- 13. Steel drill screws shall comply with ASTM C 1002 or ASTM C 954
- 14. Fasteners used for attaching the PVC lath to the substrates shall comply with the lath manufacturers requirements.
- 15. Fasteners used for attaching metal lath to substrates shall comply with ASTM C 1063
- 16. The Contractor shall perform all work in conformance with the 2017 Florida Building Code.
- 17. Masonry cement shall conform with ASTM C 91 Type N
- 18. Lime shall comply with ASTM C 206 Type S or ASTM C 207
- 19. Sand aggregate shall comply with ASTM C 897
- 20. Perlite aggregate shall comply with ASTM C 35
- 21. Plaster mixes shall comply with ASTM C 926
- 22. Comply with fiber manufacturers recommendations for quantity of fiber and mixing procedure.
- 23. Control joints shall be delineated into areas with the maximum sizes for vertical surfaces at 144 SQ. FT. and non vertical surfaces at 100 SQ. FT. with length to width ratios of $2\frac{1}{2}$:1.
- 24. Distances between control joints shall not exceed 18 FT.
- 25. Install control joints at locations where control joints occur in the main wall behind the plaster.
- 26. The plaster application shall conform with ASTM C 926.
- 27. The plaster application shall not deviate more than $\frac{1}{4}$ " in 10 FT.
- 28. Three coat plaster work shall contain base coat mixes for over PVC lath with scratch and brown coats.

- Unless stated otherwise, all framing lumber shall be Southern Pine #2, MC 19%, NO. 2 Dense
- All timber construction shall conform to the latest edition of AFTC, T.P.I, and National Design Specifications for Wood Construction.
- All wood shall be PT(Pressure Treated) to prevent decay and protect from insects and must be dry prior to use.
- All wood fasteners and connectors shall be compatible with PT wood.
- For all non-compatible members with PT wood, building paper or an approved equal material must be used as a barrier between the referenced members.
- All PT wood framing connections must utilize a products manufactured by Simpson Strong Tie or an approved equal and must be installed as per the manufacturers recommendations.
- Blocking must be placed between all joist with a spacing not to exceed 8' O.C.
- 8. Simpson LUS Type Joist Hangars must be used at intersection points of all structural wood members including but not limited to joist and beams.
- All structural wood members shall have a fiber stress of at least 1200PSI 10. Wood Studs shall be stress graded standard American Lumber (Fb=625 PSI, Fv=400PSI Minimum, E=1,000,000 PSI) #2 Southern Yellow Pine
- 11. General Sheathing Notes: 10d Ring Shank Nails, 4" O.C. for Short Side, 6" O.C. Long Side, 6" O.C. Field
- 12. General Bucking Notes: Exterior Windows: 1"x6" PT Buck on Jambs and Head, Exterior Doors: 2"x6" PT Buck on Jambs and Head, Install sufficient fasteners of specified type in order to meet or exceed stated loads.
- 13. Fasteners shall be spaced in equal distance across the length of the buck and shall be no closer than 2" or further than 4" from the end of the buck
- 14. The minimum fasteners for a top buck is 2 and the minimum fasteners for a side buck is 3.
- 15. The approved fasteners are as follows: $\frac{3}{16}$ Tapcon with $1\frac{3}{4}$ " Penetration and 230LBS of Connection Strength Capacity; $\frac{1}{4}$ " Tapcon with 2" Penetration and 380LBS of Connection Strength
- 16. Refer to manufacturers installation recommendations and specifications for the fasteners required for entry doors and windows

- The design and applicable scope of work is intended to comply with the 2017 Florida Building Code and ASCE 7-10.
- 2. The structure referenced in these documents is designed to withstand the applicable forces from 180MPH wind load and a floor live load of 40PSF in accordance with ASCE 7-10. The soil bearing capacity must meet or exceed 2,000LBS per SQ. FT. Compaction required (Modified Proctor) typical under slabs, pile caps, grade beams, and foundation or where
- concrete is in contact with the soils at 98%. 4. The engineer must be notified and submit a written approval for all modifications or deviations from the specified design.
- The contractor shall provide all temporary shoring as required to resist all loads generated from wind or the construction sequence until all structural members, connectors, and fasteners are installed including shear walls and decking.
- The contractor must submit material certifications/specifications, shop drawings and erection plans/drawings for all components and construction methods required for the structure
- 7. All major structural shop drawings must be submitted with calculations and the seal of a Florida Professional Engineer.

METAL AND STEEL BUILDING NOTES

- 1. GENERAL
- Metal building erector shall be responsible for erection of the steel and associated work in compliance with the metal building manufacturers association.
- The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. Metal building bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. Tension brace rods work in pairs to balance forces caused by initial tensioning, care must be taken while tightening brace rods so as not to cause accidental or misalignment of components. all rods must be installed loose and then tightened. Rods shall not exhibit excessive sag. for long or heavy rods or angles, it may be necessary to support the rod at mid-bay by suspending it from a secondary member.
- Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any structural components.
- D. All field welding must be done at the direction of a design professional, and done in accordance with aws (americian welding society) by welders qualified to perform the work as directed by the applicable welding procedure specification (wps). a wps shall be prepared by the contractor for each welding variation specified, the contractor is responsible for any special welding inspections as required by local jurisdiction.
- 2. MATERIALS
 - All structural plates, channels and miscellaneous metals shall be in accordance with astm specification below.

Material		ASTM Description	Yield strength (r
Structural steel	plate a529	9/a572/a1011	50 ksi	
Hollow structur	al	a500	42 ksi	
Hot rolled str. s	hapesa500)/a572/a592/a992	50 ksi	
Hot rolled angle	es .	a36	36 ksi	
Cold formed sh	apes	a653/a1011		
Roof and wall s	heeting	a653 / a792		
Bolts		a307 / a325		
Rods		a572 / a108		

- f1554 Anchor rods All steel exposed to weather shall be galvanized or coated with primer and marine grade epoxy.
- F. Weld filler material shall be 70 ksi tensile strength.
- 3. EXECUTION
- Install metals as detailed on metal building drawings and permit drawings.
- Steel work shall conform to the latest edition of the design, fabrication and erection of structural steel for building as adopted by the aisc and metal building manufacturers assocation.
- All steel shall be painted with one coat of primer and shall be touched up after installation, unless the material is stainless steel.
- Steel exposed to the elements shall also be coated with a marine grade epoxy unless the material is stainless steel.
- Coat all steel members with marine grade epoxy for corrosion resistance.

CONSTRUCTHE FOLL

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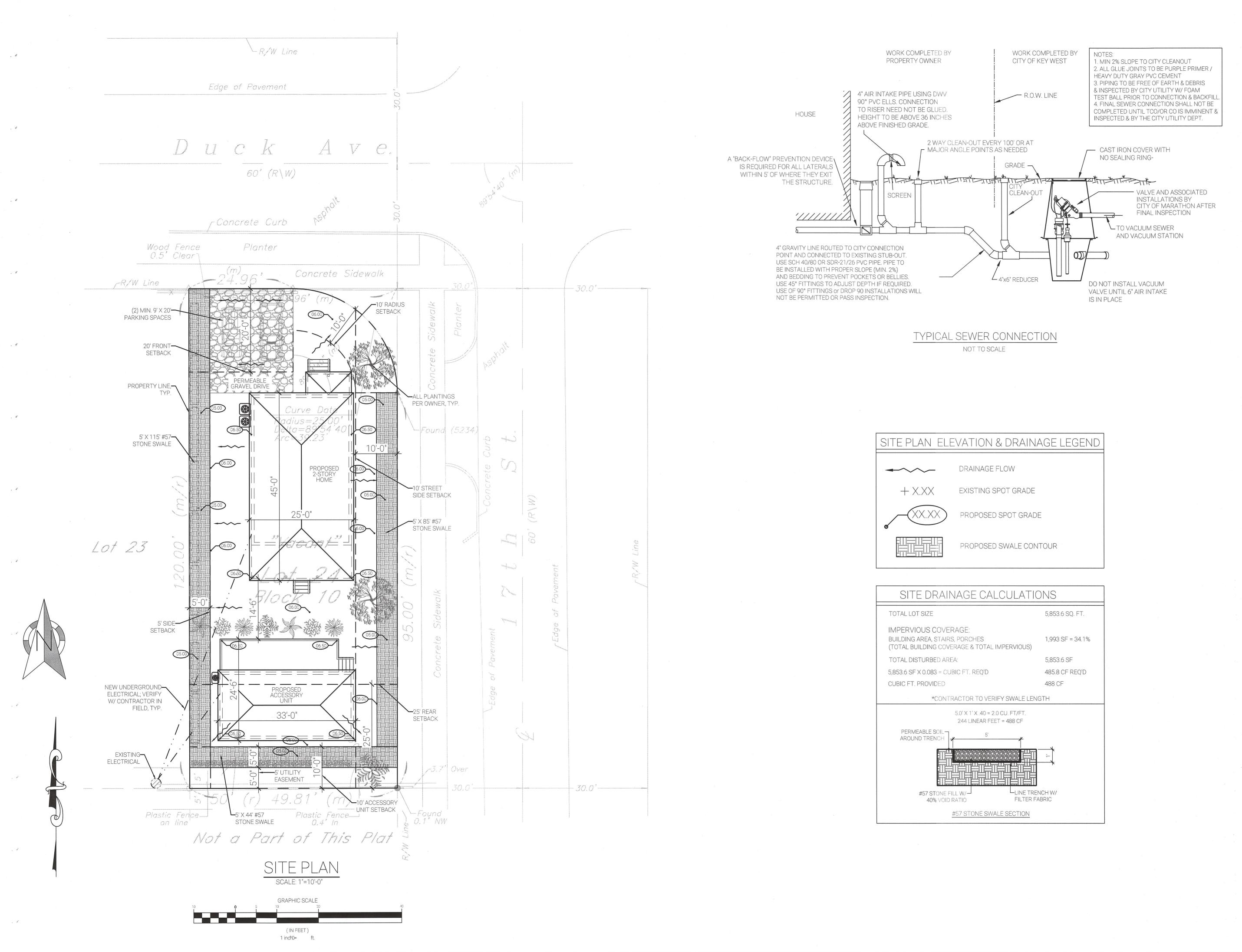
PLANS ARE NOT VALID UNLESS SIGNED AND DATED

PROJECT #:

OCTOBER 26, 2020

SHEET 2 of 14

SHEET #



CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

CAMPBELL ENGINEERING CONSULTANTS LLC

PLANS ARE NOT VALID UNLESS SIGNED AND DATED

PROJECT #:

1838

Date: 0CTOBER 26, 2020

SHEET 3 of 14

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6		EXTERIOR DOOR SCHEDULE							
	MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER			
	(01)	3'-0" x 6'-8" ZONE 4	IMPACT DOOR	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR			
8	1 / \ 1 (/)3-1) \ \ \ \ - \ \ 1		IMPACT FRENCH DOORS	+54.0 / -62.9	BY CONTRACTOR	PROVIDED BY CONTRACTOR			
	(03)	(2)3'-0" x 6'-8" ZONE 5	IMPACT FRENCH DOORS	+54.0 / -67.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR			

CONTRACTOR TO PROVIDE THE NOA'S.

CONTRACTOR TO FIELD VERIFY ALL DOOR DIMENSIONS.

• CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

	WINDOW SCHEDULE						
	MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER	
	01	(2)2'-3" x 4'-0" ZONE 4	SINGLE HUNG	+54.5 / -64.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
ý.	02	2'-3" x 5'-0" ZONE 4	SINGLE HUNG	+57.4 / -62.2	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
	03	3'-0" x 5'-0" ZONÉ 5	SINGLE HUNG	+56.5 / -74.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
	04)	2'-0" x 6'-0" ZONE 4	SINGLE HUNG	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
o	05)	(2)3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+54.0 / -62.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
	06)	3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+56.5 / -61.3	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
	07	5'-0" x 1'-6" ZONE 4	CLERESTORY AWNING	+57.8 / -69.6	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
r	08)	3'-0" x 1'-6" ZONE 4	CLERESTORY FIXED	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
	09	2'-0" x 4'-0" ZONE 4	SINGLE HUNG	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR	

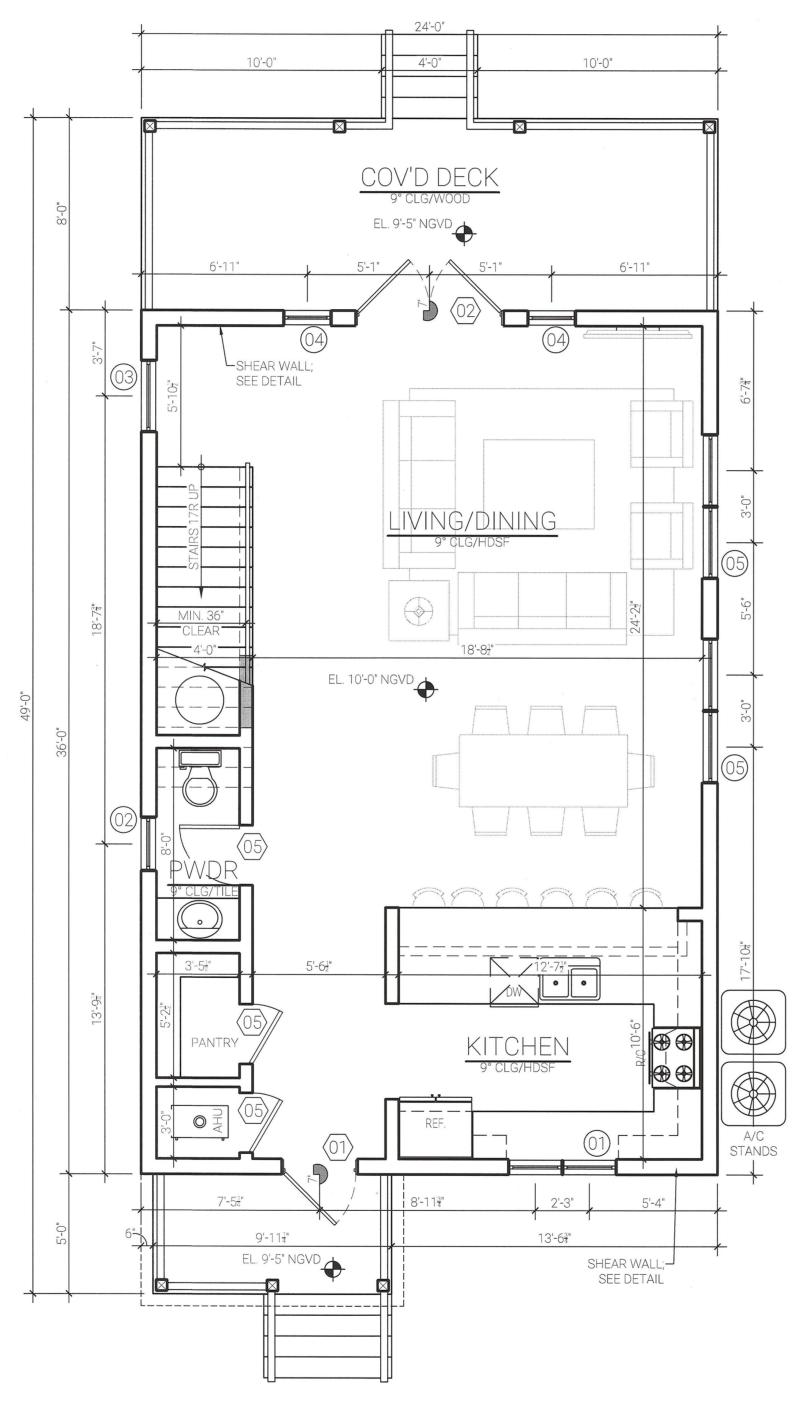
NOTE: ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW TO MEET FL. BLDG. CODE 2017 FOR EGRESS. A MIN. 5.7 SQ. FT. NET CLEAR OPENING IS REQUIRED WITH A MIN. NET CLEAR HEIGHT OF 24" & MIN. NET CLEAR WIDTH OF 20" & A MAX. SILL HEIGHT OF 44" ABV. FINISHED FLOOR. ADDITIONAL NOTES:

CONTRACTOR TO PROVIDE THE NOA'S.

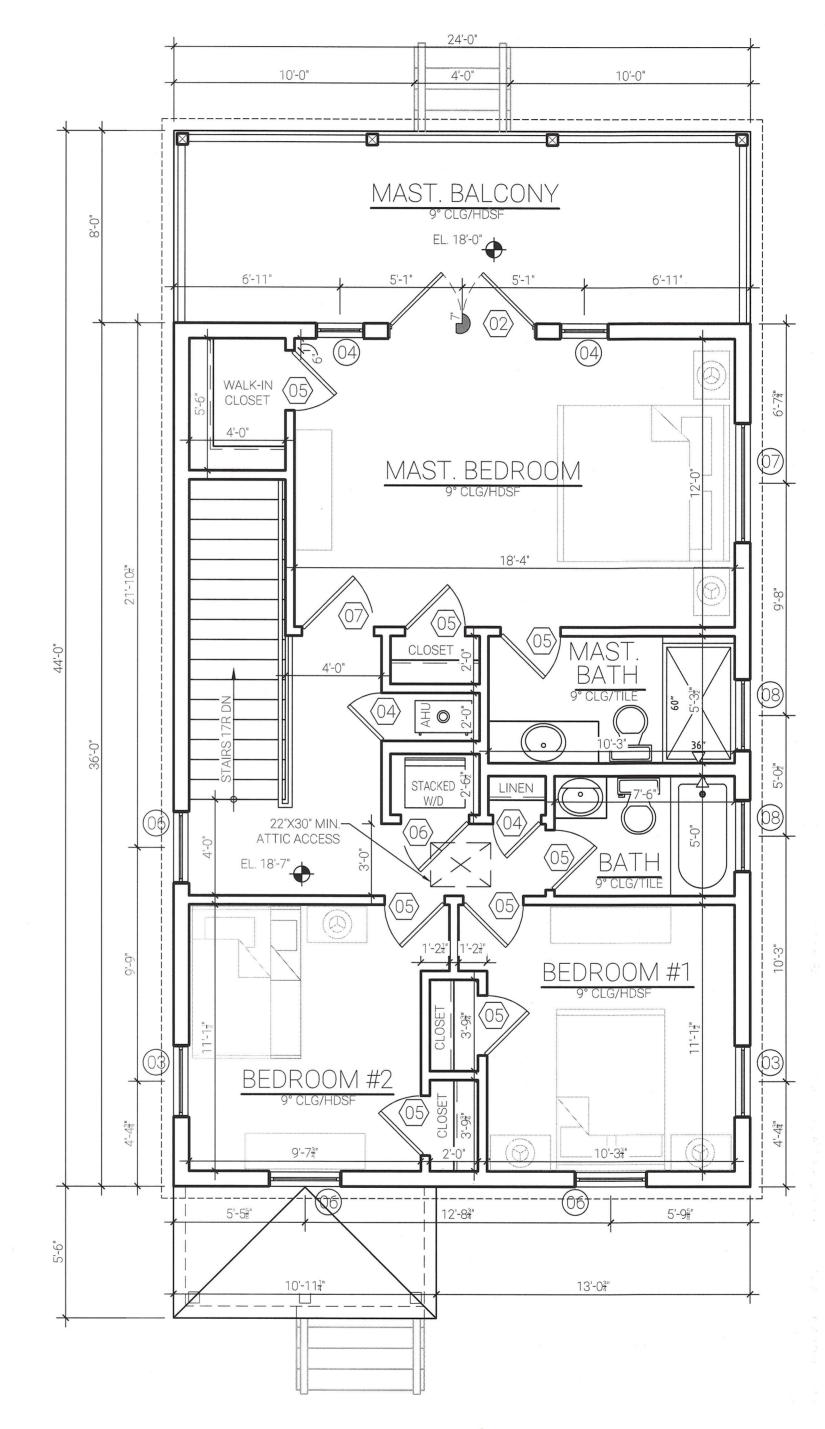
CONTRACTOR TO FIELD VERIFY ALL WINDOW DIMENSIONS.
 CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

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	INTERIOR DOOR SCHEDULE						
,[MARK	NOMINAL SIZE (W X H)	DESCRIPTION	ROUGH OPENING	MANUFACTURER / MODEL	FINISH	HARD- WARE
	(04)	'2'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
	(05)	2'-6" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
	(06)	2'-8" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
	(07)	3'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
	(80)	(2)2'-0" × 6'-8"	2 PANEL/SOLID WOOD FRENCH DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
	(09)	6'-0" x 6'-8"	2 PANEL/SOLID WOOD BI-PASS DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD

BUILD	ING AREA	
1st FLOOR LIVING A/C	864 SQ. FT.	
2nd FLOOR LIVING A/C	864 SQ. FT.	
TOTAL LIVING A/C		1728 SQ. FT.
1st FLOOR ENTRY	68 SQ. FT.	
1st FLOOR REAR DECK	192 SQ. FT.	
2nd FLOOR REAR DECK	192 SQ. FT.	
TOTAL EXTERIOR LIVING		452 SQ. FT.
TOTAL MAIN HOME FOOTPRINT		1208 SQ. FT.
ACCESSORY UNIT A/C	512 SQ. FT.	
ACCESSORY UNIT DECK	240 SQ. FT.	
ACCESSORY UNIT TOTAL FOOTPRINT		785 SQ. FT.
TOTAL SITE FOOTPRINT		1993 SQ. FT.



PROPOSED FIRST FLOOR PLAN



PROPOSED SECOND FLOOR PLAN

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION: License #: 79269 CA/Registry #: 31437 AMPBELL ENGINEERING CONSULTANTS LLC PLANS ARE NOT VALID UNLESS SIGNED AND DATED PROJECT #: 1838 Date: OCTOBER 26, 2020 SHEET 4 of 14 SHEET#

ELECTRICAL NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO PROVIDE THE WORK COMPLETE AND READY TO USE
- 2. ALL DEVICES, EQUIPMENT, MATERIAL AND LABOR SHALL LBE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE 3. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND DEVICE MANUFACTURER
- RECOMMENDATIONS. 4. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND
- ALL OTHER APPLICABLE CODES AND STANDARDS. 5. NO PIPE, CONDUIT OR JUNCTION BOX SHALL BE INSTALLED IN STRUCTURAL SLABS, COLUMNS OR BEAMS UNLESS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING EXISTING CONDITIONS AT THE SITE AND WITHIN THE BUILDING PRIOR TO BID. 7. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR NEW SERVICE AND ANY SPECIAL REQUIREMENTS. SECONDARY SERVICE OVERHEAD FEEDER BY KEYS. ELECTRICAL CONTRACTOR SHALL COORDINATE SPLICE LOCATION WITH KEYS SERVICE REQUIREMENTS.
- 8. ELECTRICAL DRAWINGS (PLANS, DIAGRAMS, ETC.) ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE DRAWINGS DO NOT SHOW EVERY BEND, OFFSET, ELBOW AND OTHER FITTINGS WHICH MAY BE REQUIRED FOR PROPER INSTALLATION IN THE SPACE ALLOCATED OR AS REQUIRED TO COORDINATE WORK WITH THAT OF OTHER TRADES. ANY WORK NOT SHOWN BUT CONSIDERED NECESSARY FOR PROPER COMPLETION OF THE WORK SHALL BE PROVIDED WITHOUT ADDITIONAL CHARGES TO
- 9. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE
- 10. ALL MAERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH NATIONAL ELECTRICAL MANUFACTURERS'
- ASSOCIATION (NEMA) STANDARDS AND SHALL BE UL LABELED. 11. THE CONTRACTOR SHALL SATISFACTORILY REPAIR AND/OR REPLACE EXISTING WORK, FEATURES AND EQUIPMENT DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHES SHALL BE RESTORED TO MATCH ADJACENT AREAS.
- 12. ALL CUTTING AND NOTCHING REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE ACCOMPLISHED IN AN APPROVED MANNER. APPROVAL SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO CUTTING OR DRILLING STRUCTURAL
- MEMBERS UNLESS SPECIFICALLY ADDRESSED HEREIN. 13. EXISTING ELECTRICAL WORK, FEATURES AND EQUIPMENT INDICATED AND/OR REQUIRED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY THE CONTRACTOR INCLUDING ABANDONED RACEWAYS, WIRING, BOXES, SWITCHES AND OTHER
- ELECTRICAL ITEMS NOT PLANNED TO REMAIN IN USE. 14. ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED IN FINISHED AREAS EXCEPT AS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
- 15. ALL CONDUITS INSTALLED INTERIOR SHALL BE EMT. ALL CONDUITS INSTALLED EXTERIOR SHALL BE GALVANIZED RIGID METAL CONDUIT
- 16. ALL WIRE SIZE SHALL BE #12 UNLESS OTHERWISE NOTED ON DRAWINGS. CONDUCTIORS #10 AND SMALLER SHALL BE SOLID COPPER. CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER. UNLESS NOTED OTHERWISE, CONDUCTOR INSULATION SHALL BE DUAL RATED AT THHN/THWN.
- 17. ALL MATERIAL SHALL BE UL APPROVED. 18. A TYPEWRITTEN PANEL TALLY SHALL BE AFFIXED TO THE PANEL DOOR AFTER COMPLETION OF WORK THAT REFLECTS ALL CHANGES AND ADDITIONS.
- 19. CONTRACTOR TO PROVIDE COMPUTER PRINTED ON WHITE WRAPAROUND PAPER WITH CLEAR PLASTIC PROTECION FOR TAIL FOR ALL WIRE MARKERS. MARKER SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER ON ALL WIRES IN JUNCTION AND
- WIRING DEVICES FOR IDENTIFICATION. SHALL BE 1/2" BLACK TAPE WITH WHITE RAISED LETTERS. TAPE LABELS SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER. 21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A

20. CONTRACTOR TO PROVIDE PUNCH TAPE LABELS ON ALL

- COMPLETE SET OF RECORD DRAWINGS TO THE OWNER AT THE END FOR THE CONSTRUCTION. 22. ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED
- WITHIN 10%. 23. ALL FLOOR PENETRATIONS SHALL BE SEALED WITH A FIRE SEAL SIMILAR TO 'OZ' FLAMESEAL.
- 24. ALL NON-POWER RELATED WIRING IN CEILING A/C PLENUM RUNNING WITHOUT CONDUIT SHALL BE TEFLON COATED CLASSIFIED FOR USE IN PLENUMS.
- 25. ALL OUTLETS, SWITCHES AND COVER PLATES SHALL HAVE WHITE FINISH OR OTHER COLOR SELECTED BY OWNER AND LEVITON 5350/5252 SERIES OR EQUAL.
- 26. ALL BRANCH CIRCUITS SHALL BE EQUIPPED WITH A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.95.
- 27. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH NYLON PULL STRINGS.
- 28. FUSES SHALL BE DUAL ELEMENT, TIME DELAY UNLESS OTHERWISE NOTED.
- 29. ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH CEILING MANUFACTURER RECOMMENDATIONS IF APPLICABLE AND LOCAL REQUIREMENTS. MOUNTING DEVICES MUST BE CAPABLE OF SUPPORTING CEILING FAN FIXTURES.
- 30. ALL RECESS CANS SHALL BE IC RATED, AND CONTROLLED BY DIMMER SWITCHES. 31. ALL CABLES SHALL BE RUN WITHOUT SPLICES UNLESS
- OTHERWISE NOTED. 32. PROVIDE REQUIRED CONNECTION FOR GARAGE DOOR OPENER(S), KITCHEN APPLIANCES, AND MECHANICAL EQUIPMENT.
- 33. ALL BATHROOM, GARAGE AND EXTERIOR RECEPTACLE OUTLETS AND KITCHEN RECEPTACLE OUTLETS WITHIN 6' OF WATER SOURCE SHALL BE GFI PROTECTED. ALL KITCHEN AND LAUNDRY RECEPTACLES WILL ALSO BE ARC-INTERRUPT. ALL EXTERIOR RECEPTACLE OUTLETS SHALL BE WATER-PROOF
- PROTECTED. ALL BEDROOM RECEPTACLE OUTLETS SHALL BE ARC FAULT PROTECTED IN ACCORDANCE WITH NEC 210-12. 34. MECHANICAL VENTILATION, WHEN REQUIRED, SHALL OPERATE
- 35. CEILING BOXES USED FOR THE SOLE SUPPORT OF PADDLE FANS SHALL BE LISTED FOR THE PURPOSE. 36. NEW RECEPTICLES INSTALLED IN DWELLING UNITS SHALL BE

WHENEVER THE ROOM IS OCCUPIED

- LISTED TAMPER RESISTANT 37. A MINIMUM OF 75% OF PERMANENTLY INSTALLED LUMINRIES SHALL BE HIGH EFFICIENCY 38. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF
- DRAWINGS TO INDICATE ALL CHANGES MADE TO THE ELECTRICAL DESIGN. THE AS-BUILT DRAWINGS SHALL BE DELIVERED TO THE OWNER AFTER COMPLETION OF THE WORK. 39. ALL SMOKE DETECTORS SHALL BE WIRED IN TANDEM. SMOKE
- DETECTORS WITHIN 20' OF COOKING APPLIANCES SHALL BE SILENCEABLE.

ELECTRICAL LEGEND WALL SWITCH BAR LIGHT (60" FROM T.O.F.F. TO CENTER) 3-WAY WALL SWITCH FLUORESCENT STRIP 4-WAY WALL SWITCH FLUORESCENT FIXTURE DIMMER WALL SWITCH WALL MOUNT SCONCE LIGHT DUPLEX OUTLET RECESSED CAN (STANDARD 18" FROM T.O.F.F. TO CENTER) DUPLEX OUTLET - HALF SWITCHED DIRECTIONAL RECESSED CAN SINGLE OUTLET - FLOOR MOUNT RECESSED CAN/EXHAUST COMBO DUPLEX OUTLET - CEILING MOUNT SPOT LIGHT/FLOOD LIGHT 220 220 VOLT OUTLET EILING FAN W/ LIGHT (U.N.O.) DUPLEX W/ MOUNTING HT ABV F.F. TV OUTLET EXHAUST FAN PHONE OUTLET DATA FOOD DISPOSAL DATA OUTLET ∇ SMOKE DETECTOR HOME OFFICE PORT (2 RG6-2 CAT5) CARBON MONOXIDE ALARM MEDIA OUTLET (1 RG6-1 CAT5) ELECTRICAL PANEL **THERMOSTAT USB PORT** GAS VALVE PENDANT LIGHT ELECTRIC PUSH BUTTON FOR CHIMES WALL MOUNT FIXTURE DOOR CHHIMES

AR = ARC-FAULT PROTECTED

GFI = GROUND FAULT INTERRUPT WP = WATERPROOF / WEATHERPROOF

O O TRACK LIGHTING

CEILING FIXTURE

DECORATIVE CEILING FIXTURE

ALL EXTERIOR OUTLETS SHALL BE GFI, WEATHER PROOF, AND TAMPER PROOF

KITCHEN DUPLEX:
RANGE - OVEN IS 220 @ 8" A.F.F. COOK TOP IS 220 @ 36" A.F.F. DOUBLE OVEN IS 220 @ 70" A.F.F.

 SMOKE DETECTOR NOTE:
 RE: Smoke Detectors - Provide smoke detection per 2018 IRC section
 Record - Indicate and All smoke alarms shall be listed and R314.2. Smoke detection systems. All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

DESIGNATES CIRCUIT #

220 CIRCUIT

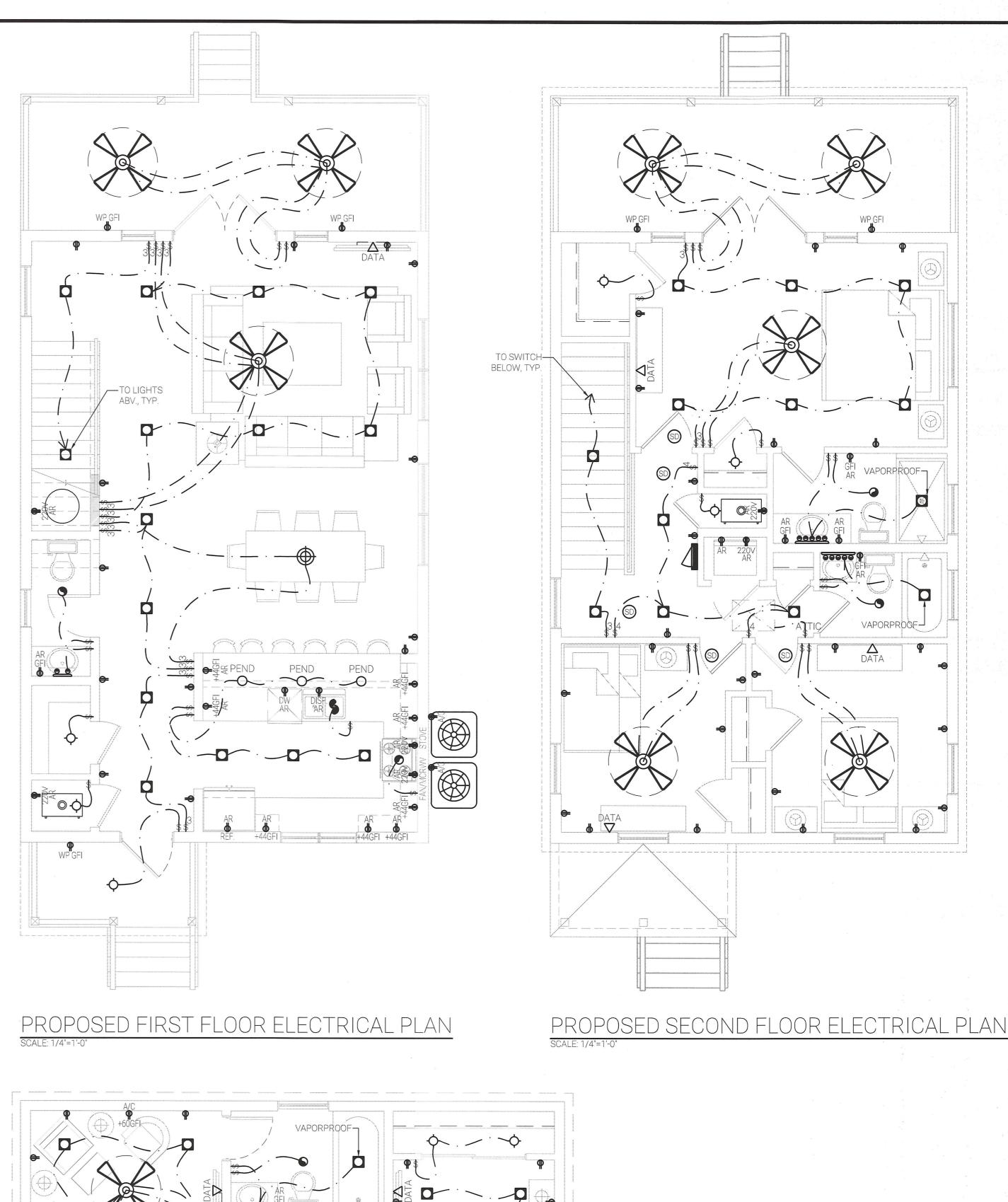
AHU DISCONNECT

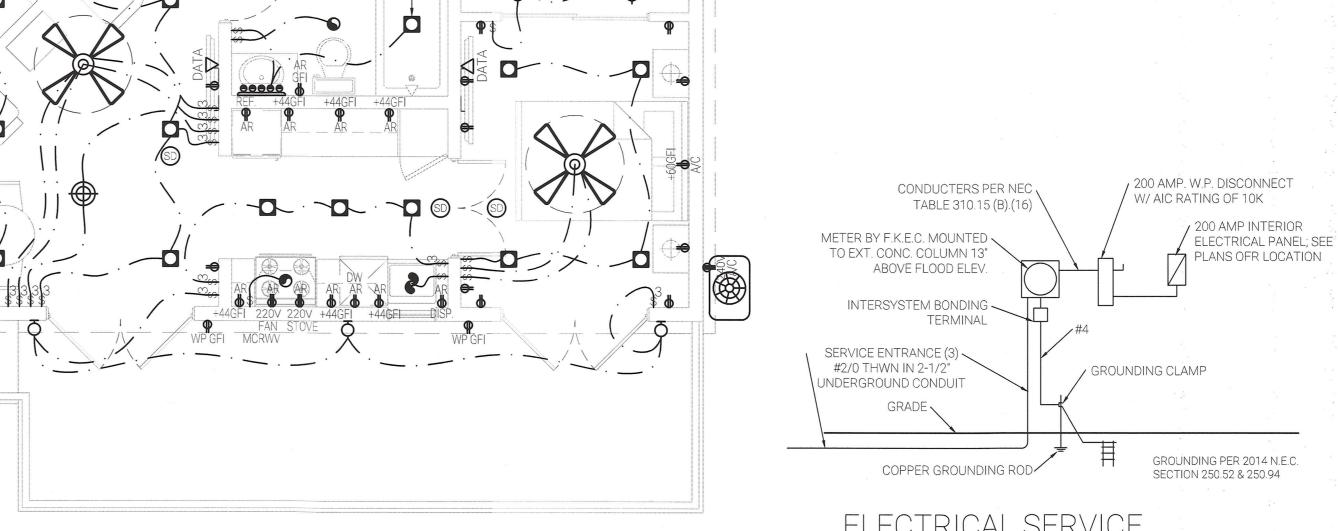
- Smoke alarms shall be installed in the following locations:
- 1. Inside each sleeping room. 2. Outside each separate sleeping area in the immediate vicinity of the
- 3. On each additional story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.
- individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the

MAIN HOUSE ACCESSORY UNIT UNIT ELECTRICAL LOAD CALCULATIONS UNIT ELECTRICAL LOAD CALCULATIONS (BASED UPON N.E.C. ARTICLE 220) UNIT SQUARE FOOTAGE HEAT STRIP GREATER THAN CON

EQUIPMENT SERVED	BREAKER SIZE	CONDUCT OR SIZE	LOAD IN WATTS
REFRIGERATOR	20A/1P	#12	830
DUAL FUEL RANGE	40A/1P	#8	8,000
DISHWASHER 1	20A/1P	#12	1,200
WATER HEATER	40A/2P	#8	8,000
DRYER	30A/2P	#10	5,600
WASHER	20A/1P	#12	1,600
GARBAGE DISPOSAL	20A/1P	#12	900
EXHAUST HOOD	20A/1P	#12	1,000
MICROWAVE	20A/1P	#12	1,000
APPLIANCE CIRCUITS			
(3 @ 1500 WATTS EACH)	20A/1P	#8	4,500
GENERAL LIGHTING & RECEPTACLES			
(3 WATTS PER SQUARE FOOT)	15A/1P	#14	5,184
OUTDOOR LIGHTING & RECEPTACLES			
(1 WATT PER SQUARE FOOT)	15A/1P	#14	423
SUBTOTAL			38,237
AIR CONDITIONING REQUIREMENTS			
BLOWER MOTOR LOAD			600
HEATING LOAD (8,000 WATTS X .65)			5,200
AIR CONDITIONING SUBTOTAL			5,800
CALCULATION PER N.E.C. 220-30			
FIRST 10,000 WATTS @ 100%			10,000
REMAINDER OF WATTS @ 40%			11,295
AIR CONDITIONING LOAD SUBTOTAL			5,800
TOTAL UNIT LOAD			27,095

EQUIPMENT SERVED	BREAKER SIZE	CONDUCT OR SIZE	LOAD IN WATTS
REFRIGERATOR	20A/1P	#12	83
DUAL FUEL RANGE	40A/1P	#8	8,00
DISHWASHER	20A/1P	#12	1,20
WATER HEATER (UNDER SINK ON-DEMAND)	50A/1P	#8	28,00
GARBAGE DISPOSAL	20A/1P	#12	90
EXHAUST HOOD	20A/1P	#12	1,00
MICROWAVE	20A/1P	#12	1,00
APPLIANCE CIRCUITS			
(2 @ 1500 WATTS EACH)	20A/1P	#8	3,00
GENERAL LIGHTING & RECEPTACLES			
(3 WATTS PER SQUARE FOOT)	15A/1P	#14	1,53
OUTDOOR LIGHTING & RECEPTACLES			
(1 WATT PER SQUARE FOOT)	15A/1P	#14	24
SUBTOTAL			45,71
AIR CONDITIONING REQUIREMENTS (MINI-SPL	IT)		
BLOWER MOTOR LOAD			2,40
HEATING LOAD			2,30
AIR CONDITIONING SUBTOTAL			4,70
CALCULATION PER N.E.C. 220-30			
FIRST 10,000 WATTS @ 100%			10,00
REMAINDER OF WATTS @ 40%			14,28
AIR CONDITIONING LOAD SUBTOTAL			4,70
TOTAL UNIT LOAD			28,98





Date: OCTOBER 26, 2020

SHEET 7 of 14

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PLANS ARE NOT

VALID UNLESS

SIGNED AND DATED

ACCESSORY UNIT ELECTRICAL PLAN

MECHANICAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 MECHANICAL CODE, FLORIDA ENERGY EFFICIENCY CODE AND ALL LOCAL ORDINANCES.

2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, PERMITS, FEES AND INSPECTIONS NECESSARY TO PROVIDE THE WORK COMPLETE AND READY FOR USE. 3. CONTRACTOR SHALL VERIFY SPACE CONDITIONS AND DIMENSIONS AND SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO FABRICATING DUCTWORK OR INSTALLING EQUIPMENT OR PIPING. 4. PRIMARY DUCTWORK SHALL BE CONSTRUCTION OF ONE AND HALF-INCH THICK (R-6 MINIMUM) FIBERGLASS DUCTBOARD WITH REINFORCED ALUMINUM FOIL FACED COVERING FABRICATED AND INSTALLED PER SMACNA RECOMMENDATIONS. 5. ALL VENTILATION AND EXHAUST DUCTWORK SHALL BE OF GALVANIZED SHEET METAL CONSTRUCTION PER SMACNA

RECOMMENDATIONS. 6. REFRIGERANT PIPING SHALL BE TYPE "L" COPPER TUBING SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. INSULATED SUCTION AND CONDENSATE PIPING WITH 1/4" THICK FOAM PLASTIC OF FIRE RETARDANT TYPE 25/30 MAXIMUM SMOKE DEVELOPED AND FLAME SPREAD RATING RESPECTIVELY PER TESTS IN MFPA-255. FINISH WHERE EXPOSED WITH TWO COATS OF ACRYLIC LACQUER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 7. ALL EQUIPMENT, MATERIALS AND WORKMANSHIP SHALL BE

GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. COMPRESSORS SHALL CARRY A FIVE-YEAR FACTORY GUARANTEE.

8. AIR CONDITION SYSTEM SHALL BE BALANCED TO OBTAIN COMFORT CONDITIONS IN ALL AREAS WITHOUT DRAFTING 9. THERMOSTATS SHALL BE HEAT/COOL TYPE WITH FAN AND SYSTEM SELECTOR SWITCH ON SUB BASE. MOUNT FIVE FEET ABOVE FINISHED FLOOR WHERE SHOWN.

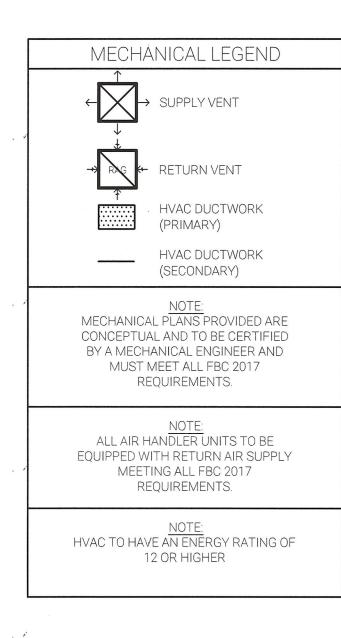
10. ALL DUCT ELBOWS GREATER THAN FORTY FIVE (45) DEGREES SHALL BE FITTED WITH TURNING VANES. 11. PROVIDE READY ACCESSIBILITY TO DAMPERS AND OTHER PARTS

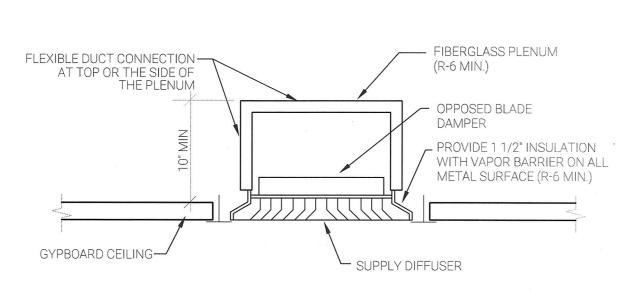
OF THE SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS. 12. VERIFY ALL VOLTAGES WITH ELECTRICAL CONTRACTOR BEFORE

ORDERING EQUIPMENT. 13. VIBRATION ISOLATION SHALL BE PROVIDED FOR ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. 14. ALL OUTSIDE EQUIPMENT SHALL BE SECURED TO WITHSTAND

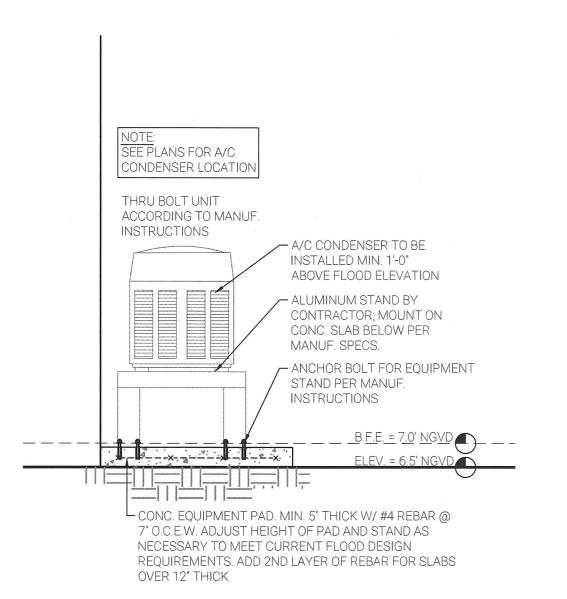
FORCES GENERATED BY 150 MPH WINDS. 15. FLEXIBLE DUCT SHALL BE FACTORY FABRICATED ROUND DUCTWORK COMPOSED OF CORROSION-RESISTANT REINFORCING WITH HELIX PERMANENTLY BONDED AND ENCLOSED IN POLYESTER FILM THEN COVERED WITH 1-1/2 INCH THICK 1/4 PCF (R-6 MINIMUM) DENSITY FIBERGLASS INSULATION BLANKET SHEATHED IN A VAPOR BARRIER OF ALUMINUM METALIZED POLYESTER FILM LAMINATED TO GLASS MESH, ELASTOMER BACK COATED. THE DUCT SHALL COMPLY WITH MFPA BULLETIN 90-A AND BE LISTED A CLASS 1 AIR DUCT. UL 181 DUCT SHALL BE "WIRE HOLD" TYPE WG OR EQUAL.

MECHANICAL NOTE: CONTRACTOR TO VERIFY PLAN CONFIGURATIONS.. FOLLOW ALL APPLICABLE CODES, INCLUDING THE FLORIDA MECHANICAL CODES.

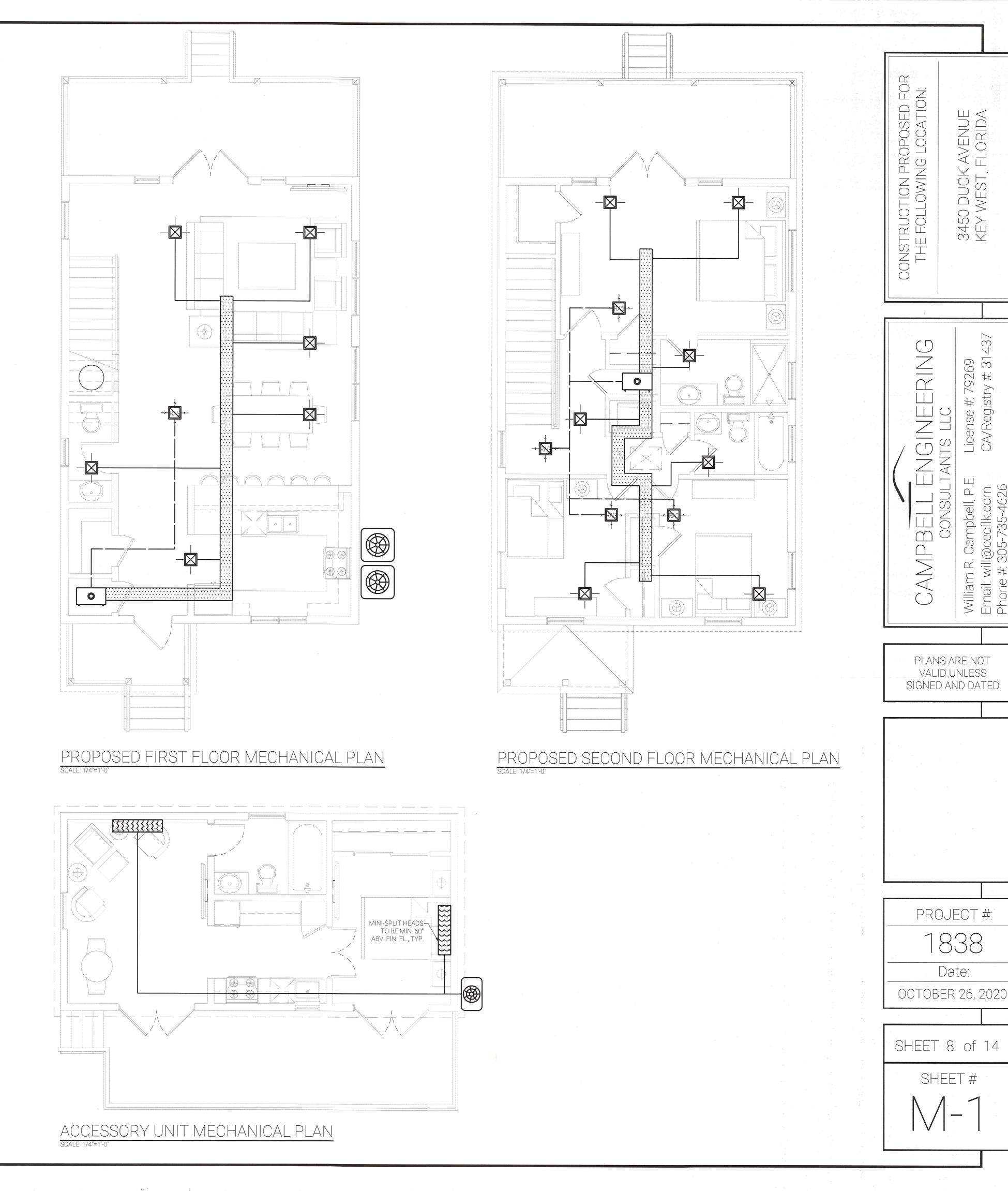




DIFFUSER DETAIL



AC STAND DETAIL



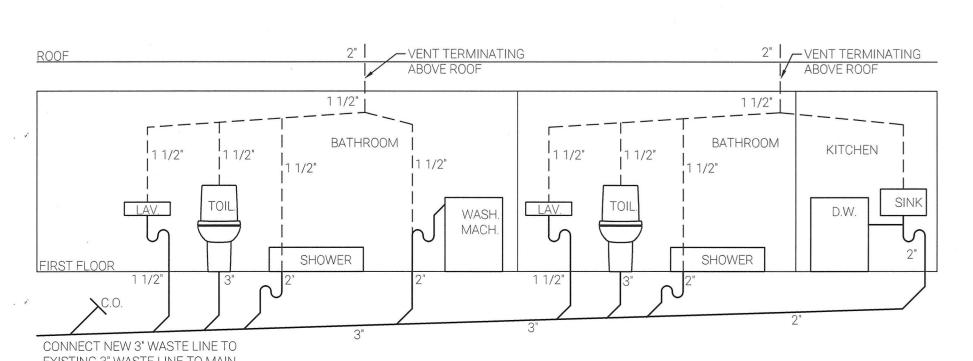
3450 DUCK / KEY WEST, F

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PLUMBING NOTES: 1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND SUPERVISION NECESSARY TO PROVIDE THE WORK COMPLETE AND READY FOR USE. THE NEW WORK SHALL INCLUDE COMPLETE HOT AND COLD WATER SYSTEMS AND VENT, WASTE AND DRAIN SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES. 2. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2017 PLUMBING CODE, THE ENERGY CONSERVATION CODE AND ALL APPLICABLE LOCAL ORDINANCES. 3. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. 4. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR. 5. PLUMBING DRAWINGS (PLANS, DIAGRAMS, ETC.) ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE DRAWINGS DO NOT SHOW EVERY BEND, OFFSET, ELBOW AND OTHER FITTINGS WHICH MAY BE REQUIRED FOR PROPER INSTALLATION IN THE SPACE ALLOCATED NOR AS REQUIRED TO COORDINATE WORK WITH THAT OF OTHER TRADES. ANY WORK NOT SHOWN ON THE DRAWINGS BUT CONSIDERED NECESSARY FOR THE PROPER COMPLETION OF THE WORK SHALL BE PROVIDED WITHOUT ADDITIONAL CHARGE TO THE OWNER. 6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER WORK UNDER THIS CONTRACT. 7. THE OWNER WILL NOT BE HELD LIABLE FOR ANY CHANGES THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER OR FIELD CHANGES THAT ARISE FROM CONTRACTOR ERROR OR OMISSION OF MATERIAL OR POOR WORKMANSHIP. 8. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING MAIN, WATER AND SEWER CONNECTIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY AND RECEIVE CLEARANCE FROM THE APPROPRIATE UTILITY COMPANIES PRIOR TO EXCAVATING. 9. VERIFY ALL DIMENSIONS AND CLEARANCES AT THE SITE AND IN THE BUILDING PRIOR TO FABRICATION AND INSTALLATION. 10. THE CONTRACTOR SHALL SATISFACTORILY REPAIR AND/OR REPLACE EXISTING WORK, FEATURES AND EQUIPMENT DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHES SHALL BE RESTORED TO MATCH ADJACENT SURFACES AND FINISHES. 11. THE CONTRACTOR SHALL INSPECT EXISTING CONDITIONS PRIOR TO BID AND BECOME FAMILIAR WITH THE SCOPE OF WORK. NO EXTRAS WILL BE ALLOWED FOR THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT. 12. PLUMBING FIXTURES SHALL BE SELECTED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. (PLUMBING FIXTURES INDICATED ON DRAWING ARE FOR REFERENCE ONLY, FIXTURES OR EQUAL QUALITY, AND CRAFTSMANSHIP MAY BE USED AS DIRECTED). 13. ALL FIXTURES SHALL BE PROTECTED FROM WATER HAMMER WITH AIR CHAMBER SIZED IN ACCORDANCE WITH P.D.I. STANDARDS. (JOSAN OR EQUAL) 14. PROVIDE CONTROL VALVES TO ALL RISERS, BRANCHES, GROUPS OF FIXTURES AND EACH PIECE OF EQUIPMENT. CONTROL VALVES SHALL BE CAST BRASS OR BRONZE GATE VALVES. .15. PROVIDE FULLY ACCESSIBLE CLEANOUTS ON SANITARY PIPING AT THE BASE OF EACH SOIL AND WASTE PIPE AND AT EVERY CHANGE OF DIRECTION. 16. PROVIDE MINIMUM PITCH OF 24" PER FOOT FOR ALL HORIZONTAL BRANCHES AND SEWER TRADES. 17. ALL WATER PIPING SHALL BE TYPE M COPPER WITH WROUGHT COPPER SOLDERED JOINT FITTINGS. 18. PROVIDE DIELECTRIC FITTINGS FOR JOINING DISSIMILAR METALS. 19. SANITARY DRAIN PIPING WITHIN THE BUILDING AND BELOW THE GROUND SHALL BE SCHEDULE 40 PVC. 20. WATER HEATER SHALL BEAR LABEL INDICATING COMPLIANCE WITH ASHRAE STD. 90. WATER HEATER SHALL BE EQUIPPED WITH A DRAIN PAN WITH 2" MIN. SIDES AND 2" CLEARANCE ON ALL SIDES. PROVIDE 3/4" DRAIN OUTLET LOCATED 3/2" ABOVE BOTTOM OF PAN. P&T RELIEF VALVE AND DRAIN PAN PIPING SHALL BE 21. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS TO PROTECT TRAP SEAL. 22. ALL VENTS THROUGH ROOF SHALL MAINTAIN MINIMUM 10' HORIZONTAL CLEARANCE FROM ANY MECHANICAL AIR INTAKE. ·23. ALL PIPING SHALL BE SUPPORTED RIGIDLY. 24. ALL CUTTING AND NOTCHING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK SHALL BE ACCOMPLISHED IN AN APPROVED MANNER. APPROVAL SHALL BE OBTAINED FROM THE ENGINEER OF RECORD PRIOR TO CUTTING OR DRILLING STRUCTURAL MEMBERS UNLESS SPECIFICALLY ADDRESSED HEREIN. 25. WATER USAGE FOR PLUMBING FIXTURES SHALL NOT EXCEED THE FOLLOWING: WATER CLOSETS: 1.6 GALLONS PER FLUSH SHOWERS: 2.5 GALLONS PER MINUTE FAUCETS: 2.0 GALLONS PER MINUTE 26. HOSE BIBS SHALL BE PROTECTED BY APPROVED BACK-SIPHONAGE BACKFLOW PREVENTERS. 27. TEST ALL WATER PIPING AT 100 PSI HYDROSTATIC PRESSURE A MINIMUM OF 2 HOURS. 28. TEST ALL SOIL, WASTE AND VENT PIPING WITH A 10' HEAD OF WATER. WATER LEVEL TO REMAIN UNCHANGED FOR 2 HOURS MINIMUM. 29. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF DRAWINGS TO INDICATE ALL CHANGES MADE TO THE PLUMBING DESIGN. THE AS-BUILT DRAWINGS SHALL BE DELIVERED TO THE OWNER AFTER COMPLETION OF WORK. 30. CONTRACTOR TO COORDINATE INSPECTION WITH MONROE COUNTY AND KEY WEST RESORT UTILITIES. 0 HEATER TANKLESS — 3"/ WATER TYP. WATER HEATER RISER DIAGRAM TYP. WATER HEATER RISER DIAGRAM PROPOSED FIRST FLOOR PLUMBING LAYOUT PROPOSED SECOND FLOOR PLUMBING LAYOUT



TYPICAL PLUMBING RISER DIAGRAM

SCALE: 1/4"=1'-0"

NOT REPRESENTATIVE OF ACTUAL FIXTIRE LOCATIONS

ACCESSORY UNIT PLUMBING LAYOUT

TANKLESS-

WATER HEATER PROJECT #: 1838
Date:

PLANS ARE NOT VALID UNLESS

SIGNED AND DATED

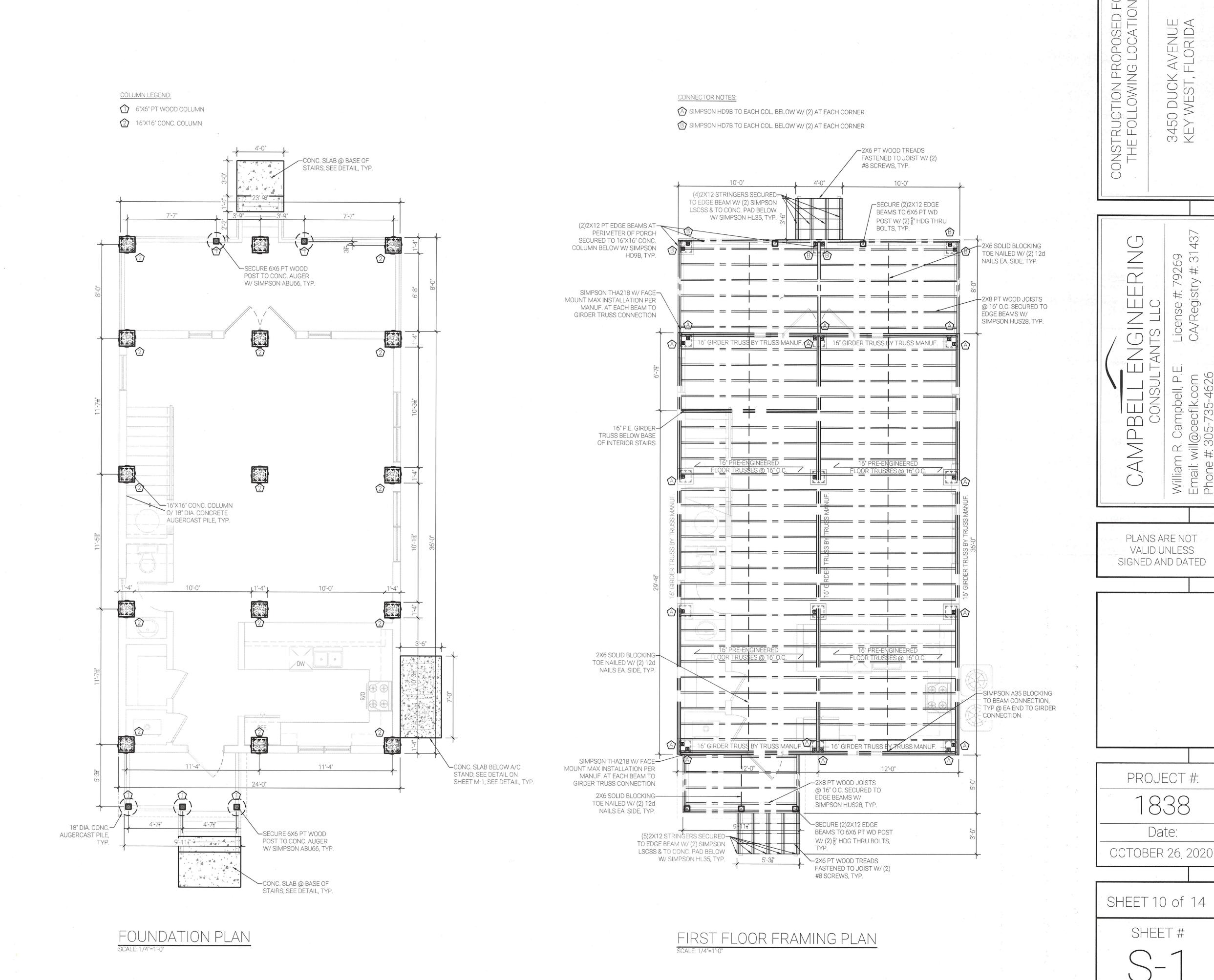
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OCTOBER 26, 2020

SHEET 9 of 14 SHEET#



(6) #6 VERTICAL / 16"X16" CONC.

COLUMN W/ MIN. 4000 PSI CONCRETE

18" DIA CONCRETE

AUGERCAST PILE W/ (6) #6 VERTICAL BARS

 TIES @ 10" O.C.

7' MIN. INTO CAP

BEFORE PLACING 5,000 PSI CONCRETE

ROCK. CLEAN HOLES

2" CLEAR ON

ALL STEEL

RÉBAR

16"X16" CONC. COLUMN

18" AUGERCAST PILE

BEAM, COLUMN &

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

RNG

AMPBE

PLANS ARE NOT VALID UNLESS SIGNED AND DATED

PROJECT #:

Date:

SHEET#

3450 DUCK AVENUE KEY WEST, FLORIDA

SECURE (2)2X12 CENTER BEAM TO EDGE BEAM W/ SIMPSON HUS210-2 & TO GIRDER TRUSS W/ THA218, TYP. (2)2X12 PT EDGE BEAMS AT PERIMETER OF PORCH SECURED TO 6"X6" PT WD POST W/ (2) $\frac{5}{8}$ " HDG THRU BOLTS, TYP. TOE NAILED W/ (2) 12d NAILS EA. SIDE, TYP. 2X8 PT WOOD JOISTS SIMPSON THA218 W/ FACE-MOUNT MAX INSTALLATION PER MANUF. AT EACH BEAM TO GIRDER TRUSS CONNECTION @ 16" O.C. SECURED TO EDGE BEAMS W/ SIMPSON HUS28, TYP. 16" GIRDER TRUSS BY TRUSS MANUF. *4 PLY COLUMN TO SUPPORT GIRDER TRUSS BETWEEN FIRST AND 16" P.E. GIRDER TRUSS AT TOP OF SECOND FLOOR ONLY INTERIOR STAIRS 2X6 SOLID BLOCKING-AT 1/3RD POINTS TOE NAILED W/ (2) 12d NAILS EA. SIDE, TYP. 2X6 PT WD RAFTERS SECURED TO 2X10 PT WD (2)2X8 PT WD EDGE BEAMS RIDGE BEAMS W/ SECURED TO 6X6 PT WD SIMPSON LRU26Z, TYP POSTS BELOW W/ SIMPSON ECCL/R, TYP. SECURED 2X6 RAFTERS TO EDGE BEAMS W/ -6" OVERHANG, TYP. SIMPSON H10A, TYP. $13'-0\frac{3}{4}"$ 2X8 PT FASCIA BOARD, TYP.

SECOND FLOOR FRAMING PLAN

SHEAR WALL NOTES:

SEE SHEET A-1 FOR SHEAR WALL LOCATIONS.

SEE SHEET S-3 FOR SHEAR WALL DESIGN INFO.

CONNECTOR NOTES:

(A) SIMPSON HD19 AT 4 PLY COL. BELOW

B SIMPSON HD19 AT 8 PLY COL. BELOW

ROOF FRAMING PLAN

CONNECTOR NOTES:

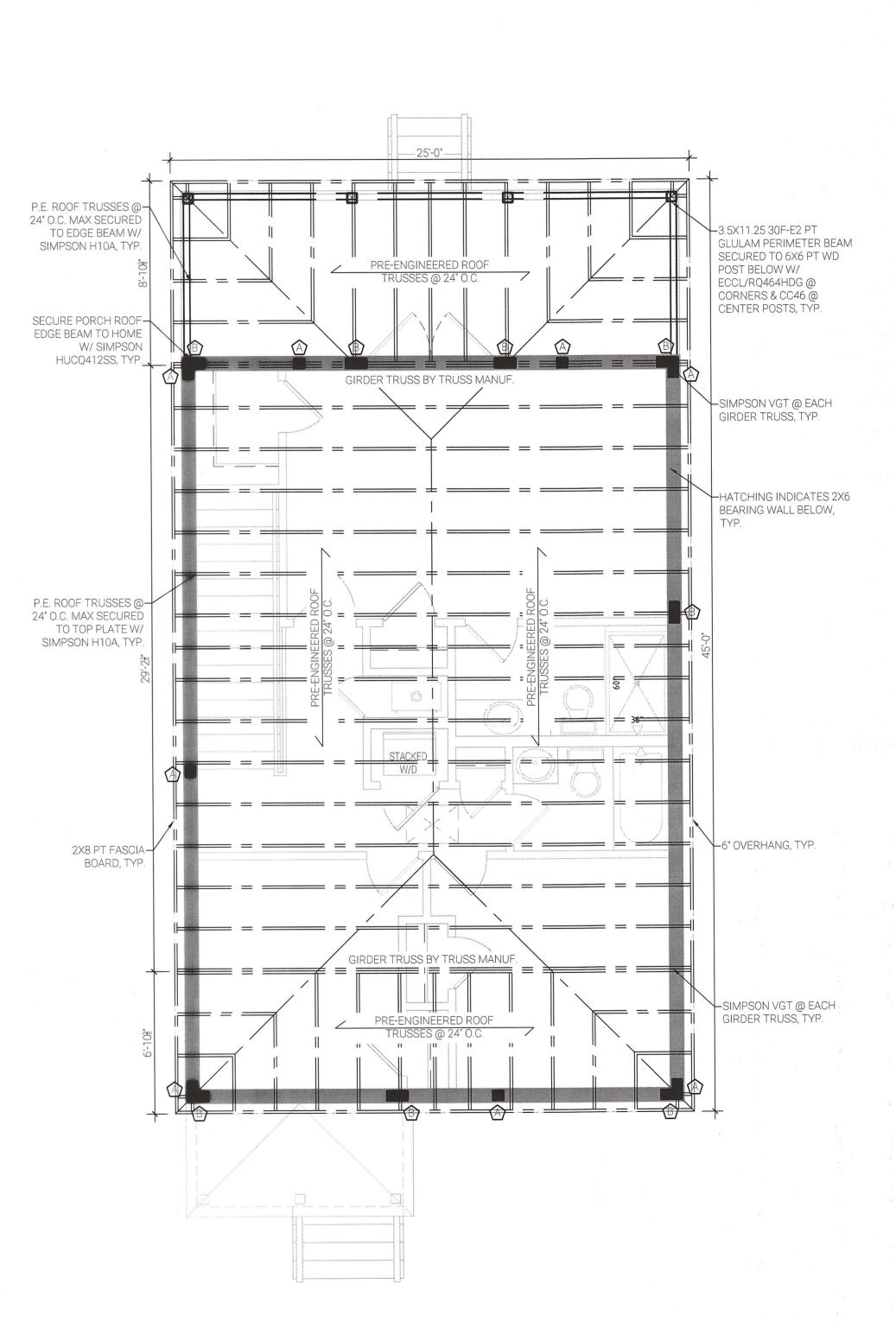
SIMPSON HD19 AT 4 PLY COL. BELOW

B SIMPSON HD19 AT 8 PLY COL. BELOW

SHEAR WALL NOTES:

SEE SHEET A-1 FOR SHEAR WALL LOCATIONS.

SEE SHEET S-3 FOR SHEAR WALL DESIGN INFO.



ERING
#. 79269
istry #. 31437

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

3450 DUCK AVENUE KEY WEST, FLORIDA

ENGINE LTANTS LLC

CAMPBEL CONS

Sea Transport of the first of

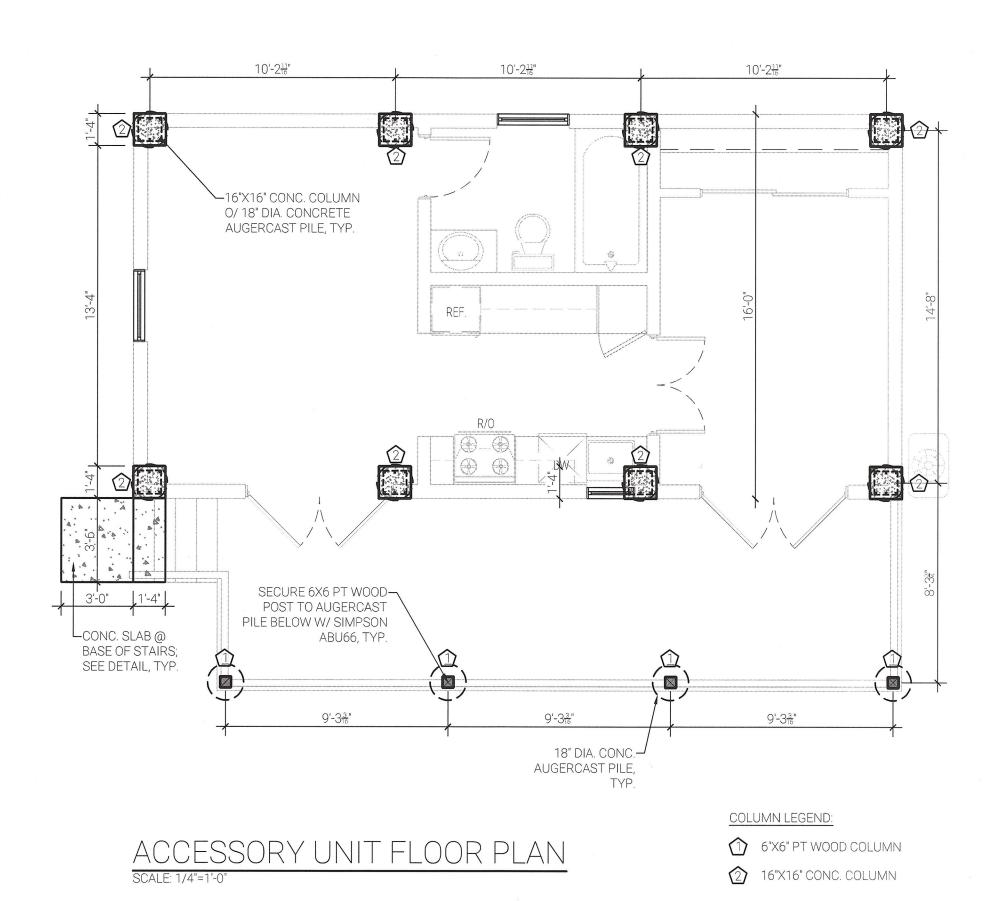
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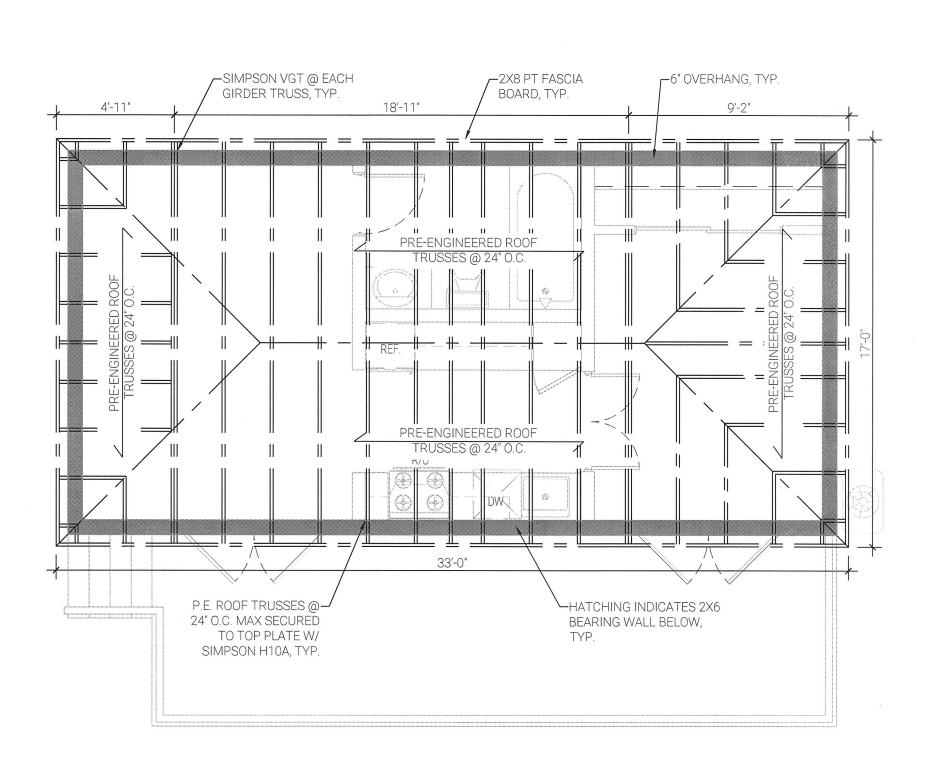
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OCTOBER 26, 2020

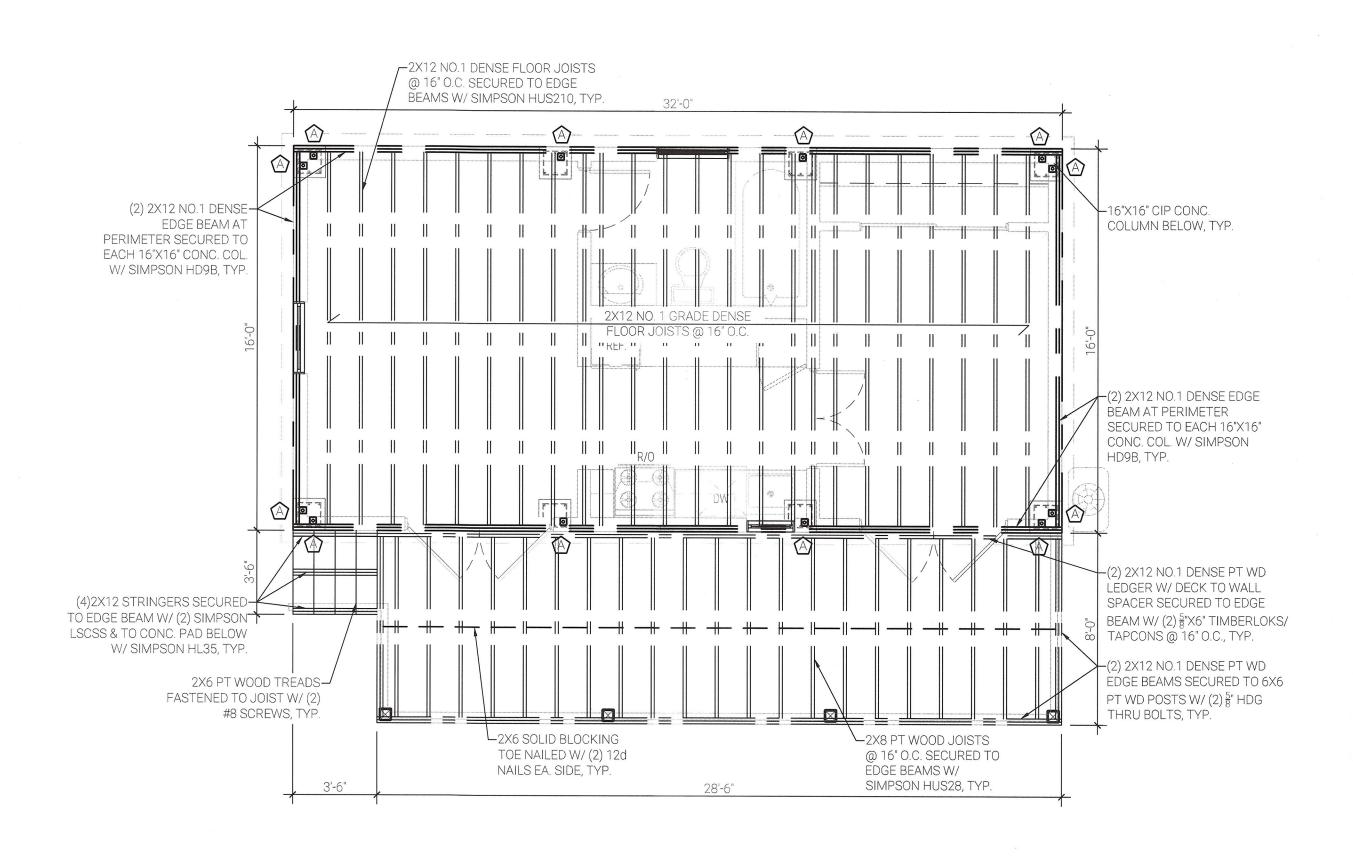
SHEET 11 of 14

SHEET#





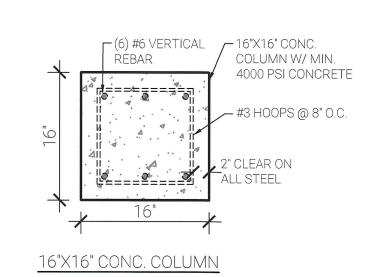
ACCESSORY UNIT FLOOR PLAN
SCALE: 1/4"=1'-0"

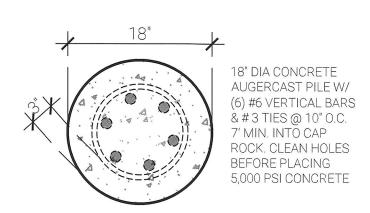


ACCESSORY UNIT FLOOR PLAN
SCALE: 1/4"=1'-0"

CONNECTOR NOTES:

SIMPSON HD9B TO EACH COL.
BELOW W/ (2) AT EACH CORNER





18" AUGERCAST PILE
BEAM, COLUMN &
AUGER DETAILS

CAMPBELL ENGINEERING
CONSULTANTS LLC
William R. Campbell, P.E. License #: 79269
Email: will@cecflk.com CA/Registry #: 31437
Phone #: 305-735-4626

3450 DUCK / KEY WEST, F

PLANS ARE NOT VALID UNLESS SIGNED AND DATED

PROJECT #:

1838

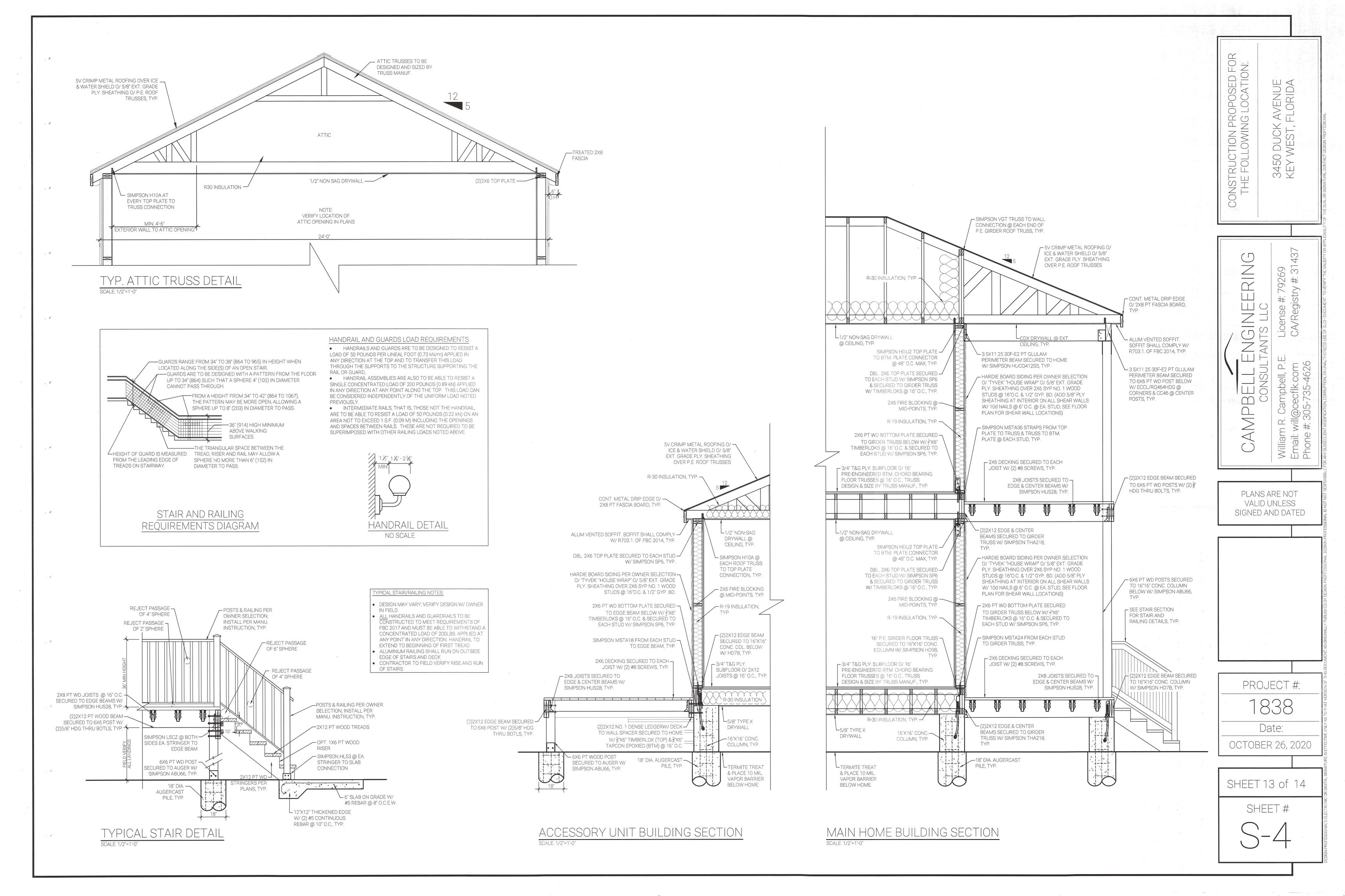
OCTOBER 26, 2020

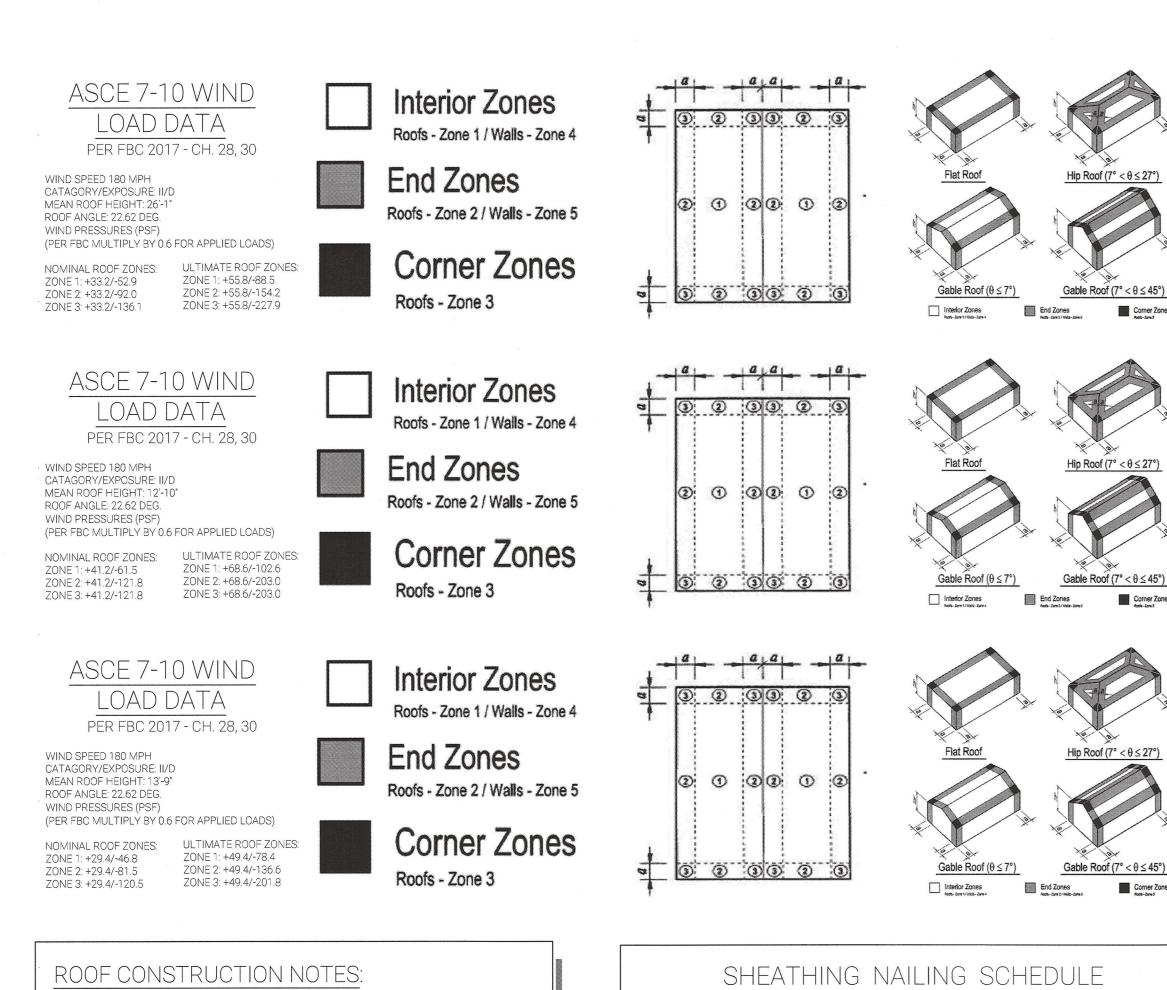
Date:

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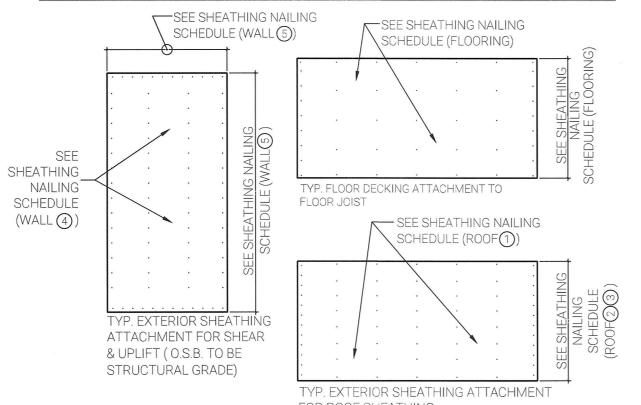
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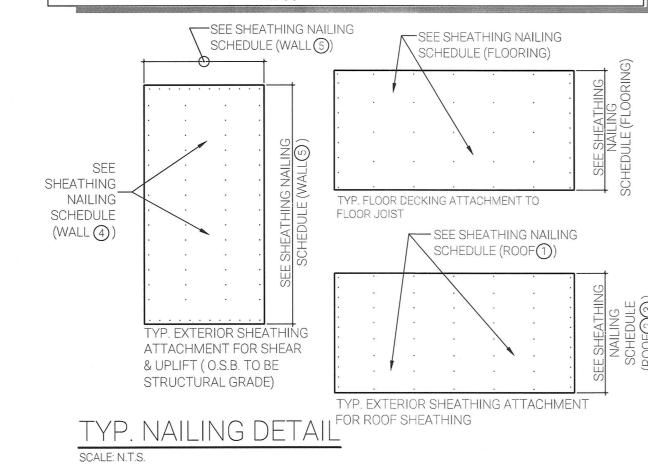
S-3

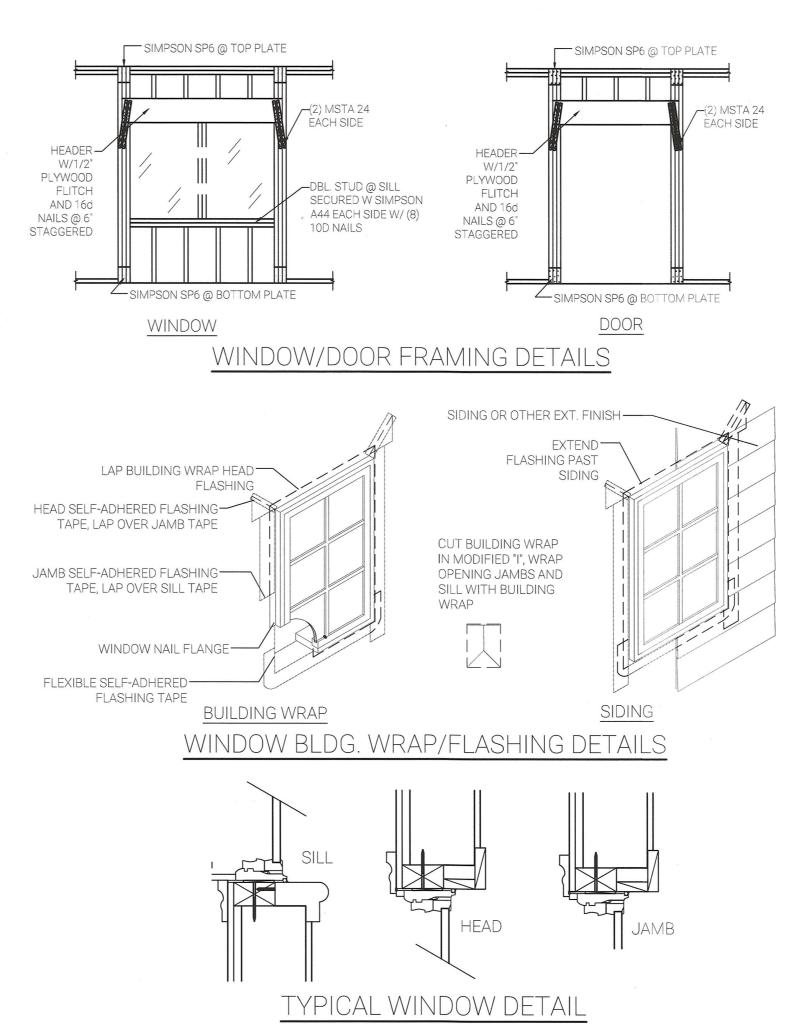




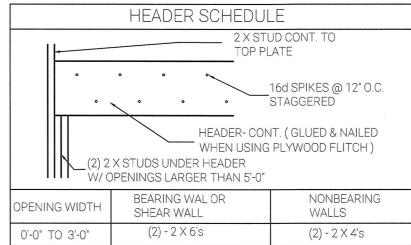
(WALLS AND ROOF) NAIL SPACING ZONE 4" @ EDGES, 6" @ INTERMEDIATE SUPPORTS 10d RING SHANK ROOF (1) (2) 4" @ EDGES, 6" @ INTERMEDIATE SUPPORTS 10d RING SHANK (5) 4" @ EDGES, 8" @ INTERMEDIATE SUPPORTS 10d RING SHANK WALL 6" @ EDGES, 12" @ INTERMEDIATE SUPPORTS 4 10d RING SHANK WALL 6" @ EDGES, 12" @ INTERMEDIATE SUPPORTS **FLOORING** #10 SCREWS ELEVATION GABLE ROOF >10°/ <45° A= 6'-0"







SCALE: N.T.S.



OPENING WIDTH	BEARING WAL OR SHEAR WALL	NONBEARING WALLS
0'-0" TO 3'-0"	(2) - 2 X 6's	(2) - 2 X 4's
3'-1" TO 5'-0"	(2) - 2 X 10's	(2) - 2 X 6's
5'-1" TO 7'-0"	(2) - 2 X 12's	(2) - 2 X 8's
7'-1" TO 9'-0"	(2) - 2 X 12's W/ 1/2" PLYWOOD FLITCH	(2) - 2 X 12's

HEADER NOTES:

1. USE HEADER SIZES ABOVE UNLESS OTHERWISE

NOTED ON FRAMING PLAN 2. PRIMARY FRAMING (BEAMS,GIRDERS, ETC.) WERE SIZED USING 1800 "Fb" EXTREME FIBER IN BENDING (SINGLE) 90 "Fv" HORIZONTAL SHEAR 1.6E "E" MODULES OF ELASTICITY 3. JOISTS, RAFTERS, LINTELS, ETC. WHERE SIZED USING 1200 "Fb" EXTREME FIBER IN BENDING (SINGLE) 90 "Fv" HORIZONTAL SHEAR

(1) PREPARATION OF WINDOW OPENING

1.6E "E" MODULES OF ELASTICITY

-LINE THE OPENING WITH VAPOR BARRIER

-INSTALL PRESSURE TREATED WOOD BUCK TO PERIMETER OF OPENING USING NEW 3/16" X 3-1/2" OR EQUAL PROVIDING 500LBS, SHEAR STRENGTH 16" ON CENTER (4" AT EDGES) -APPLY A CONTINUOUS BEAD OF CAULKING TO SEAL WOOD BUCK TO FRAME OPENING-ENSURE THAT A CLEARANCE OF 1/4" PER SIDE IS LEFT FOR SHIMMING

(2) INSTALLATION OF WINDOW

-REFER TO INSTALLATION INSTRUCTIONS FOR THE SPECIFIC PRODUCT BEING INSTALLED -SET WINDOW IN OPENING, SHIMMING, LEVELING, AND SQUARING TO ENSURE PROPER

-INSTALL #9 1-1/4" PAN HEAD WOOD SCREWS THRU ALL PREDRILLED HOLES IN THE INSTALLATION FIN TO SECURE UNIT (8" ON CENTER)

-ENSURE THAT THE INSTALLATION FIN IS SEALED TO THE WOOD BUCK WITH A CONTINUOUS BEAD OF CAULKING

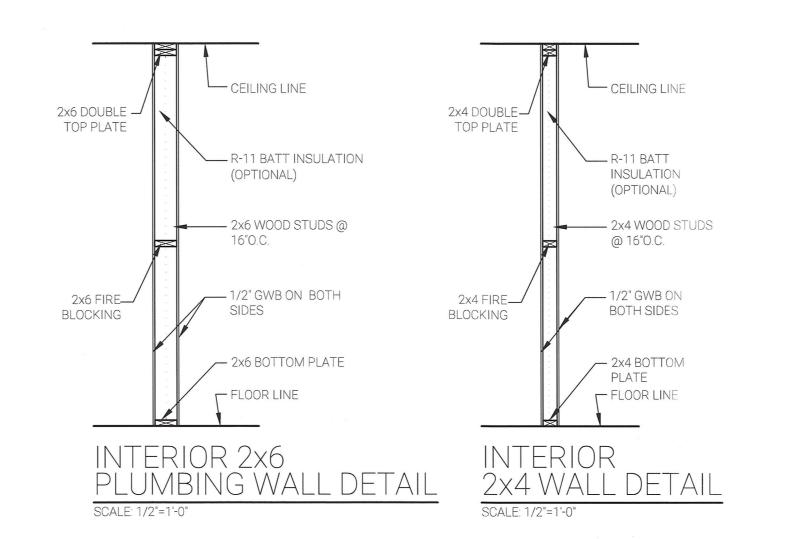
-FILL VOID BETWEEN WINDOW AND WOOD BUCK WITH INSULATION BEING CAREFUL NOT TO BOW WINDOW FRAME

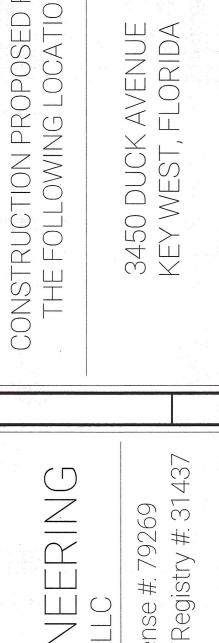
(3) APPLICATION OF CAULKING

-INSERT STYROFOAM BACKER ROD INTO THE OPENING BETWEEN WINDOW FRAME AND "J"

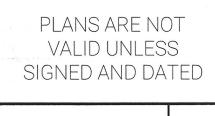
-APPLY A CONTINUOUS BEAD OF URATHAENE SEALANT, REFER TO SEALANT MANUFACTURERS RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION (4) INSTALLATION LIMITATIONS

-WINDOW INSTALLATION TO MEET THE REQUIREMENTS OF THE WIND LOADS OF THE FLORIDA BUILDING CODE IN EFFECT AT THE TIME OF CONSTRUCTION









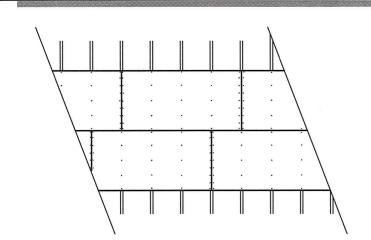
PROJECT #:

OCTOBER 26, 2020

Date:

SHEET 14 of 14

SHEET #



1. PROVIDE ATTIC VENTS AS SPECIFIED IN WALL SECTIONS.

STRAPS AS SPECIFIED IN STRAPPING SCHEDULE.

TO THE CONTRACTOR FOR APPROVAL.

SPECIFIED BY STRAP MANUFACTURER.

7. ROOF PLAN FOR DESIGN PURPOSES ONLY.

UNLESS OTHERWISE NOTED.

CONNECTED WOOD TRUSSES.

FOR UPLIFTS.

2. TIE ROOF TRUSSES TO INTERIOR PARTITIONS WITH METAL CLIPS, TIES OR

3. PROVIDE ALL REQUIRED TRUSS BRACING AS SPECIFIED ON ENGINEERED TRUSS

4. PRE-FAB, PRE-ENGINEERED ROOF TRUSSES ARE TO BE SPACED @ 2'-0", O.C..

5. SBCCI APPROVED ANCHORS CAPABLE OF MEETING UPLIFT REQUIREMENTS AS

PROVIDED BY THE TRUSS MANUFACTURER AT EACH TRUSS TO PROVIDE A CONTINUOUS TRANSFER OF UPLIFT LOADS FROM TRUSS TO FOUNDATION.

6. TRUSS MANUFACTURER TO SUBMIT PROFILES & PLANS, PRIOR TO FABRICATION,

8. ALL CONNECTORS IN CONTACT WITH PT. WOOD SHALL BE Z-MAX COATED OR

9. ALL TRUSSES TO TIEBEAM CONNECTIONS: SIMPSON (HETA-20) UP TO 1810 #

10. ALTERNATE FASTENERS MAY BE USED PROVIDED THEY MEET UPLIFT AND LOAD REQUIREMENTS AND ARE NO LESS THAN THE VALUES LISTED ABOVE

12. ALL HURRICANE RESISTANT TIE DOWNS STRAPPING AND ANCHORS SHALL HAVE A CONTINUOUS PATH FROM THE ROOF TO FOUNDATIONS. ALL

STRAPPING AND ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S

11. ATTACH ALL STRAPS WITH GALVANIZED NAILS OF SIZE AND QUANTITY

13. ROOF TRUSSES SHALL BE HANDLED, STORED, ERECTED, TEMPORARILY BRACED & PERMANENTLY BRACED PER "BCSI1-03" GUIDE TO GOOD

PRACTICES FOR HANDLING, INSTALLING & BRACING METAL PLATE

14. ADD SEALANT AT SEAMS FOR 5V CRIMP ROOF UNDER 3:12 PITCH.

15. INSTALL SHEATHING WITH 1/8" GAP AT ALL EDGES.

RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.

ROOF & WALL NAILING

Certification Form



Exhibit D – BPAS Certification Form Building Permit Allocation System Application

305-809-3720 • www.cityofkeywest-fl.gov

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge such information is true, complete and accurate. I certify that all information required has been provided.

I certify that my total estimated points are <u>()</u>. I certify that if I am awarded one or more Building Permit Allocations and am unable to achieve all prerequisites and/or achieve the total amount of points represented on the Score Sheet, a Certificate of Occupancy will not be issued for the project.

I certify that if I am awarded one or more Building Permit Allocations, the Score Sheet and Prerequisite Solution Statement prepared as part of this application will be provided to my contractor and that my contractor will be made aware that if the completed project does not achieve all prerequisites and achieve the total amount of points represented on the Score Sheet, a Certificate of Occupancy will not be issued for the project.

50 -	12-4 - 2021
Signature of applicant	Date
Print name of Applicant	
	person signing the application) authoritye.g. officer, manager/member, trustee,
He/She is personally known to me or has presented	as identification.
Patri Da Sanit Notary's Signature and Seal	SEAL
Name of Acknowledger typed, printed or stamped	Notary Public State of Florida Patricia Gae Ganister My Commission GG 241871 Expires 09/20/2022
Commission Number, if any	

Estimated Score Sheet



Exhibit C – Applicant's Estimated Score Sheet Building Permit Allocation System Application

305-809-3720 • www.cityofkeywest-fl.gov

The purpose of the Estimated Score Sheet is to provide the applicant with the understanding that if a BPAS Allocation(s) is awarded the total amount of points represented on the Estimated Score Sheet and finalized through the official staff ranking process is required to be permanently maintained throughout the lifecycle of the project. Because the total amount of points is not linked to one specific criterion, the applicant has flexibility in the construction phase in the event that certain point system criteria, for which the application is ranked, need to be substituted.

In wil	the event that the Prerequisites and/or l not be issued for the project.	the total points are not achieved	, a Certificate of Occupancy
	ropeza, Stones & Cardenas,		
Ap	plicant: <u>Gregory S. Oropeza</u>	Site Address:3450 Duck	Avenue
Nu	mber and type of Units Requested:	Market Rate 1 A	ffordable 1
Pre	requisite Development Type:	Major Construction/ Renovation Minor Renovation	<u>X</u>
Ple wit	ase acknowledge that the Prerequisites in the solution statement provided:	required for the proposed project s	shall be met in accordance
The of r	e following criteria and point system sha non-transient units as follows:	ll be utilized in the ranking of ap	plications for development
a.	Building more than 1.5' higher than the ba	se flood elevation (+5)	Points5
b.	Exceeding the minimum required percent	age of affordable housing (+30)	Points
C.	Voluntarily providing affordable housing of section 122-1467 at median income class	which exceeds the requirements sification (+40)	Points 40
d.	Voluntarily providing affordable housing of section 122-1467 at low income classific	which exceeds the requirements ation (+60)	Points
e.	Achieving Green Building Certification U	ograde 1 (+20)	Points
f.	Achieving Green Building Certification U	Points	
g.	Achieving Green Building Certification U	ograde 3 (+40)	Points
h.	Voluntary contribution to the arts in publ amount of \$2,500 or more (+5)	ic places fund or tree fund in the	Points
i.	Providing electrical high-voltage sized charging station near parking area (+5)	conduit for future electric car	Points 5
j.	Using light-colored, high-reflectivity mate Solar Reflectance Index (SRI) of at least 29	rials for all non-roof areas with a (+5)	Points
k.	Providing on-site recreational amenities requirements of section 108-346 (b) of artic	or exceeding the open space le V of Chapter 108 (+10)	Points
l.	Using light-colored, high-reflectivity ro Reflectance Index (SRI) of at least 29 (+5)	oofing materials with a Solar	Points

TOTAL ESTIMATED POINTS 50

FGBC Checklist



FGBC Green Home Standard

Version 10

ApplicationEffective October 1, 2013 Revised 8-25-16

Instructions for Submission:

Electronic Submissions (Required)

Complete the credit card authorization below or pay online

(Note: Payment by check is acceptable - see mailing instructions below)

Upload the application, checklist and supporting documents via the FGBC link below. All application packages must be submitted as one zipped

https://dropbox.hightail.com/certifications

Mailing Instructions

Make ch Mail fee	neck payable to "FGBC" based on fee schedule OR submit cred s, application, and electronic version of checklist with supporting	it card payment info	ormation
	FGBC	g accuments on C	D 10.
	1415 E. Piedmont Dr. Suite 5		
	Tallahassee, FL 32308-7954		
FEES	Talianassee, 1 L 32306-7934	PAYMENT	
	ly New and Existing Home Fees	PATIVIENT	Do Vou Most A Vord Sign 2 (Free)
Fee	Builder or Homeowner Must Be Member		_ Do You Want A Yard Sign? (Free) Home Fees
\$75	Member of FGBC and FHBA		Bronze Plaques
\$100	Member of FGBC or FHBA		Florida Water Star Certification
\$125	Non Member	\$0.00	Total Amount Authorized
Multi-Family	Fees	- 40.00	= Total / Milodite / Mation / Zed
	applications: Use TAB 18	Pay Online	or Authorize Credit Card Here: (Visa/MC/AX)
,		CC#:	OF AUTHORIZE CTEUIT CAID THEFE. (VISA/MIC/AX)
Additional O	ptions		
\$39	FGBC Certified Home Bronze Plaque	Name on Card:	
\$40	Florida Water Star Certification		
F		3 – ,	
Free	FGBC Certified Home Yard Sign (Electronic Version)	Signature:	
Builder Info		Home Informa	tion
Name:	0000000 100	Address:	
Company:		City/ST/Zip:	
Address:		County:	
City/ST/Zip:		Development:	
Phone:		_0.0.001110111.	
Buidler Email		Please answer t	the following questions:
DBPR Licens	e #:		Is the home New or Existing?
FGBC Members	er #:		Is this Single Family or Multi-Family?
FHBA Membe	er#:		Is this home Affordable? List Funding Source
Signature			
			Square Footage of home/unit
Certifying A Name:	gent Information		Sales Price
Address: City / Zip: Phone: Fax:		Optional Information Owner: Company Address:	audii
E-mail:		City/ST/Zip:	
CA Registration	on #:	Phone:	
measures inten been incorporat	tures: All parties signing this application acknowledge that each of the ded to qualify the home for the Florida Green Home Certification has ted into construction/renovation of the home.		
Project Point			
	to Qualify (may be over 100 if a category minimum is missed)	104	Please refer to Standards Description and Constitution
	ualification (points over category maximums excluded)	135	Please refer to Standards Documents and Green Home Reference Guide for additional information.
Total Points Achi	ieved	135	Reference Guide for additional information.
	Category Your Sc	ore	Required Min - Max
	Category 1: Energy 37		30 - 75
	Category 2: Water		15 - 40
	Category 3: Lot Choice 9		0 - 15
	Category 4: Site		5 - 30
	Category 5: Health		15 - 35
	Category 6: Materials 6		10 - 35
	Category 7: Disaster Mitigation		5 - 30
	Category 8: General 29		0 - 40
	Total: 135]	2
	Total Needed: 104	1	
	Certified Home Score 131	ĺ	
	Certification Level Silve		

PREF	REQUISITES:	Version 10
Prere	equisite 1: Swimming Pool / Spa	
P1.1	Yes Sanitation system that reduces chlorine use	Revised 8-25-16
P1.2	N/A Pool Cover	
P1.3	N/A Solar pool heating system	
P1.4	N/A Dedicated PV's to run pool equipment	
P1.5	N/A Home has no pool or spa	
Prere	equisite 2: Waterfront Considerations	
P2.1	N/A Use of native aquatic vegetation in shoreline area	
P2.2	N/A No turf adjacent to water (Low maintain plants instead)	
P2.3	Yes Use of terraces, swales, or berms to slow storm water	
P2.4	Yes Home site does not border natural water body	
Prere	quisite 3: No Invasive Exotic Species	
P3.1	Yes Landscape Considerations	1
	New Is the landscape existing or new	ı

HERS Ind E1.1	y Minimul dex - Ener 30 Finishes, y 0 1 0 0 0 0 0 0 1	rgy Rati 3 - 75 Ameniti 1 1 1 1 1 1 1 - 4	Confirmed Florida HERS Rating - 3 points for each HERS Index point below 80 Yes :Does the Home have a confirmed HERS Index :Confirmed HERS Index tes Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	Version 10 Revised 8-25-16
Design, F E2.1 E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	6ex - Ener 30 Finishes, 7 0 1 0 0 0 0 0 0	rgy Rati 3 - 75 Ameniti 1 1 1 1 1 1 1 - 4	Confirmed Florida HERS Rating - 3 points for each HERS Index point below 80 Yes :Does the Home have a confirmed HERS Index :Confirmed HERS Index ies Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	Nevised 6-23-10
Design, F E2.1 E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	30 Finishes, 7 0 1 0 0 0 0 0 0 0 0	3-75 Ameniti 1 1 1 1 1 1 1 1 1 1 1	Confirmed Florida HERS Rating - 3 points for each HERS Index point below 80 Yes :Does the Home have a confirmed HERS Index :Confirmed HERS Index tes Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.1 E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	0 1 0 0 0 0 0 0 0	Ameniti 1 1 1 1 1 1 1 1 1 1 1 1	Yes :Does the Home have a confirmed HERS Index :Confirmed HERS Index Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.1 E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	0 1 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1-4	Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.1 E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	0 1 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1-4	Thermal Bypass Inspection Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.2 E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	1 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1-4	Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.3 E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	0 0 0 0 0 0 0	1 1 1 1 1 1-4	Ductwork joints sealed with mastic Ductwork smoke tested allowing leaks to be sealed prior to drywall Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.4 E2.5 E2.6 E2.7 E2.8 E2.9	0 0 0 0 0 0	1 1 1 1 1-4	Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
E2.5 E2.6 E2.7 E2.8 E2.9	0 0 0 0 0	1 1 1 1-4	Cross vent and ceiling fans code credit Roofed porch, Min 100ft^2 AND 3 sides open Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
2.6 2.7 2.8 2.9	0 0 0 0	1 1 1 1-4	Passive solar space heating system Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
2.7 22.8 22.9	0 0 0	1 1 1-4	Passive solar day-lighting Deciduous trees on south House shaded on east and west by trees 0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
22.8 22.9 22.10	0 0 0	1 1-4	Deciduous trees on south House shaded on east and west by trees O % of the designated wall areas (average of east and west walls) that are shaded by trees.	
2.9	0 0 0	1 - 4	House shaded on east and west by trees O % of the designated wall areas (average of east and west walls) that are shaded by trees.	
2.10	0	1	0 % of the designated wall areas (average of east and west walls) that are shaded by trees.	
100	0		% of the designated wall areas (average of east and west walls) that are shaded by trees.	
100	0			
. 7 1 1		4	Washer and dryer outside of conditioned space	
	1	1	Floor joist perimeter insulated and sealed	
2.12		1	Light colored exterior walls (80% minimum)	
			Enter the Solar Reflective Index (SRI) of Paint	
2.13	1	1 - 2	Light colored interior walls, ceilings, carpet/floors	
			Yes all major living spaces wall and ceiling surfaces have a reflectance of at least 50%	
			Enter the Light Reflectance Value (LRV) of Paint	
			bedrooms and all major living spaces have floors, walls, & ceilings are light-colored	
2 14	1		Enter the Light Reflectance Value (LRV) of Paint	
2.14	1	1	Max 100W fixtures in bathrooms	
2.15 2.16	0	1	Pre-plumb for solar hot water	
2.16	0	2	Install a State Certified rated solar hot water system	
2.17	0	1 1	Compact hot water distribution	
2.19	1	1	Insulate all hot water pipes	
2.20	1	1	Energy-efficient clothes dryers Energy-efficient ovens/ranges	
2.21	1	1	Energy Star® clothes washers	
2.22	0		Efficient well pumping	
2.23	0		Efficient envelope volume	
		-	0 Total Gross Wall Area	
			1 Conditional Square Footage	
			1 Number of Stories	
2.24	0	1	Dwelling unit attached, zero lot-line, row house	
2.25	N/A		Recessed, sealed IC fixtures	
2.26	0		Energy Star® Advanced Lighting Package	
2.27	0		Outdoor lights are energy efficient.	
2.28	0		Install motion sensors on a minimum of 60% of the hard wired lighting fixtures	
2.29	-	1	Energy Efficient Sheathing	
	37		Total Points	
	The second second	_	6 000 1 0 000 EE	

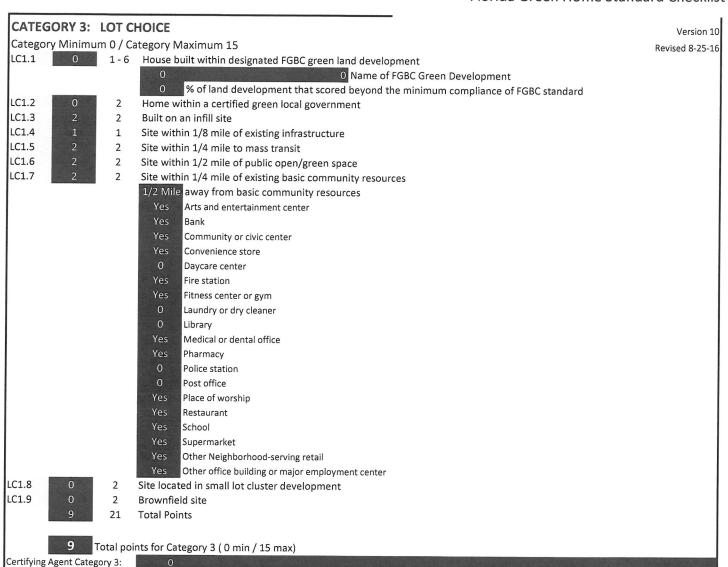


Name of HERS Rater: Certifying Agent Category 1:

			ndard Checkii
CATEGORY 2: W	/ATE	ER .	Version 1
Category Minimum	15/0	Category Maximum 40	Revised 8-25-1
N/A Is	the la	andscape existing or new	
W1 Fixtures			
W1.1 0	2 - 3	Water saving clothes washer	
		0 : Water factor (WF) of clothes washer	
W1.2 -	1	Low-flow shower heads (must be ≤ 2.0 gpm)	
W1.3 0	1	All showers equipped with only 1 showerhead per shower	
W1.4 -	1 - 2	all lavatory sink faucets have flow rates of \leq 2.0 gpm (all \leq 1.5 gpm = 2 pts)	
W1.5 2	2	High Efficiency Dual-flush or Single Flush Toilets (all toilets ≤ 1.28 gpf)	
W1.6 0	1	Toilet with UNAR Map Rating of 600 gpf or greater	
W2 Greywater Reus	se		
W2.1 0	1 - 3	Greywater System Installed	
W3 Rainwater Harv	estin	ng	
W3.1 3 1	1 - 3	Rainwater Harvesting System installed	
W4 Reclaimed Wate	er Re	ruse	
W4.1 N/A	2	Water for irrigation	
W4.2 0	2	Meter on reclaimed irrigation system	
W4.3 0	2	Volume-based pricing arrangement	
W4.4 0	2	For toilet flushing	
W5 Installed Landso	cape		
W5.1 2	2	Drought-tolerant turf, no turf in densely shaded areas	
W5.2 1 1	L - 3	60%, 80%,100%, of plants/trees from drought-tolerant list	
		:Percentage of drought tolerant plant	
W5.3 2	2	All plants/trees selected to be compatible with local environment / microclimate	
W5.4 3	3	Turf less then 50% of landscape	
W5.5 0	2	Evenly shaped turf areas, no turf on berms	
W5.6 0	2	Plants with similar maintenance requirements grouped together	
	1	Mulch applied 3 - 4 inches deep around plants / no volcano mulch	
W5.8 1	1	Non-Cypress mulch used	
	2	Soil tested and amended where necessary	
W6 Installed Irrigati			
	10	No permanent installed irrigation system	
W6.2 2	2	Innovative irrigation technology	
W6.3 0	3	Irrigated land according to FGBC standard	
	,	O Separate zones for turf and landscape beds - multi program controller	
		0 High-volume irrigation does not exceed 60% of landscape area	
		0 Head to head coverage for rotor/spray heads	
		O Correctly installed Micro-irrigation in landscape beds and narrow areas	
		0 Minimize overspray on impermeable surfaces	
W6.4 0	1	and a state of the	
The same of the sa	0	Pressure compensating spray heads installed in spray zones	
	0	Pressure regulating valves are installed for spray zones	
W6.5 0	1	In poor drainage (low) areas, heads are installed with check valves	
W6.6 0	2	High volume irrigated areas have matched precipitation rates	
W6.7 0	1	Pop-up sprinkler heads significantly rise above turf grass height	
W7 Additional Wate	r Cer	tification Requirements	
		Meet or exceed Florida Water Star™ or WaterSense standards:	
W7.2 0		Florida Friendly Landscape TM Program New Construction Certification	
		Total Points	
		nts for Category 2 (15 min / 40 max)	
Certifying Agent Category	2:		0
andscape Auditor:			0
redentials of Auditor	- 1		



Credentials of Auditor:



	EGORY 4:		Version 10
Cate	gory Minimu	m 5 / C	ategory Maximum 30 Revised 8-25-16
1	N,	/A	That all credits in this category deal only with buildable land. What this means is that if the land is not legally allowed to be
			disturbed then you may not count this as part of the percentage required for the given credit.
Nativ	e Tree and I	Plan Pre	eservation
S1.1	2	2	Maximize tree survivability
S1.2	1	1 - 2	Minimize soil compaction
			Restrict all construction equipment from driving on site during construction except for
			area of <25% of site.
S1.3	0	2	Replant or donate removed vegetation
S1.4	0	1 - 9	Preserve or create wildlife habitat / shelter
			0 % of property that was created or preserved as a wildlife habitat or shelter
On Si	te Use of Cle	eared N	
S2.1	0	2	Mill clear trees
S2.2	0	1 - 2	Reuse cleared materials for mulch / landscape
			Mulch is both cleared and reused:
	on Control /	Topsoi	Preservation
S3.1	0	2	Develop an erosion control site plan
S3.2	1	1	Stabilize disturbed soil
S3.3	0	2	Stage disturbance
S3.4	0	1	Control sediment runoff during construction
S3.5	1	1	Save and reuse any removed topsoil
torio.	age / Retent	ion	
S4.1	2	2	Onsite designated retention area
S4.2	0	2	Direct filtered rooftop runoff to planted area(s)
S4.3	1	1 - 4	Maintain pervious surface area (If not taking points input 1 for Total Lot Area)
			Partial Pervious
			46 % Pervious Material 8633 Total Lot Area (sq. ft.)
			4653 Coverage Area (sq. ft.) 0 100% Pervious sq. ft.
			2140.38 Equivalent Pervious Area> 2140.38 Equivalent Pervious Area (semi-pervious)
	8	24	Total points for pervious area
	0	34	Total Points
	8	Total noi	ints for Category 4 (5 min / 30 max)
Certifvi	ng Agent Categ		
		, y	

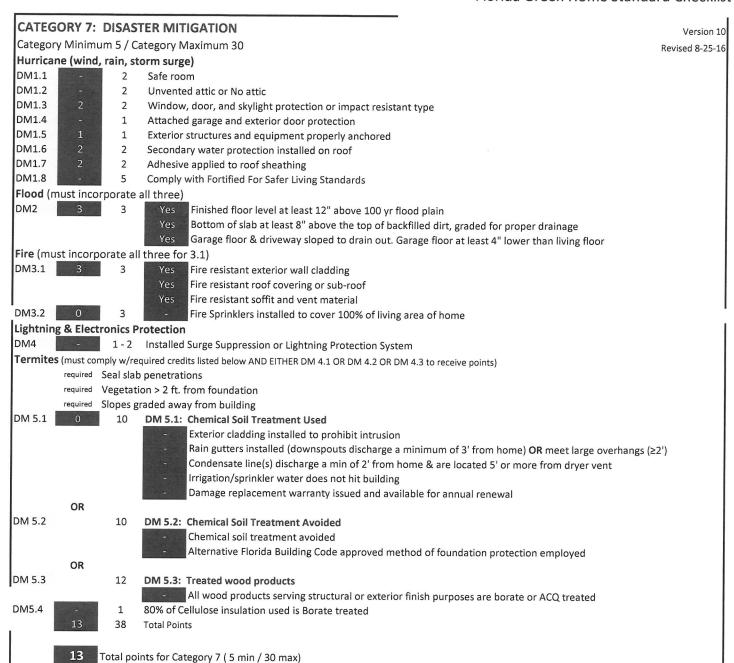
Combustion H1.1 0 H1.2 0 H1.3 0	3 1 1 1-2	Detached garage/carport OR air barrier between living space & garage AND no air handler or ducts in garage Garage (attached or detached)- exhaust fan on motion sensor and timer Interior Fireplace - Direct vent, sealed combustion w/electronic ignition, factory built wood burning or no fireplace No unsealed space or water heating combustion located inside the conditioned area - or electric Space Heating N/A Electric N/A Sealed combustion equipment N/A Sealed combustion equipment N/A Sealed combustion closet N/A Outside of conditioned space Drainage tile on and around top of footing Drainage board for below grade walls Gravel bed beneath slab on grade floors Seal slab penetration Capillary break between foundation and framing Central dehumidification system No vapor barrier on inside of assemblies
H1.2 0 H1.3 0 H1.4 0 Moisture Control H2.1 0 H2.2 0 H2.3 0 H2.4 0 H2.5 0 H2.6 3 H2.7 0	1 1-2 1-1 1 1 1 3 1	Garage (attached or detached)- exhaust fan on motion sensor and timer Interior Fireplace - Direct vent, sealed combustion w/electronic ignition, factory built wood burning or no fireplace No unsealed space or water heating combustion located inside the conditioned area - or electric Space Heating N/A Electric N/A Sealed combustion equipment N/A Sealed combustion closet N/A Sealed combustion closet Outside of conditioned space Drainage tile on and around top of footing Drainage board for below grade walls Gravel bed beneath slab on grade floors Seal slab penetration Capillary break between foundation and framing Central dehumidification system No vapor barrier on inside of assemblies
H2.1 0 H2.2 0 H2.3 0 H2.4 0 H2.5 0 H2.6 3 H2.7 0	1 1 1 1 3 1	Drainage tile on and around top of footing Drainage board for below grade walls Gravel bed beneath slab on grade floors Seal slab penetration Capillary break between foundation and framing Central dehumidification system No vapor barrier on inside of assemblies
H2.2 0 H2.3 0 H2.4 0 H2.5 0 H2.6 3 H2.7 0	1 1 1 1 3 1	Drainage board for below grade walls Gravel bed beneath slab on grade floors Seal slab penetration Capillary break between foundation and framing Central dehumidification system No vapor barrier on inside of assemblies
H3.1 1 H3.2 0 H3.3 0 H3.4 0	2 1	No exposed urea-formaldehyde wood products Zero VOC paints, stains, and finishes Low VOC paints, stains, and finishes Low VOC sealants and adhesives
		Minimize carpet use (<50% 1pt, No wall to wall carpet 2pts)
13.6 0		Healthy flooring
13.7 0		Healthy insulation
13.8 1 1		Protect ducts, range hood, and bath exhaust fans during construction
13.9 3		Integrated pest management plan
Cleanability		
		Central vacuum system N/A System roughed in N/A Installed with exhaust outdoor N/A Installed with exhaust indoor thru HEPA filter
14.2 0	1	Useable entry area
Jniversal Design	L -3	Universally designed living area
/entilation	L -J	Offiversally designed living area
The state of the s	2 - 4	Controlled mechanical ventilation
16.2 0		Radon/Soil gas vent system installed
16.3		Floor drain sealed
16.4 0	1	Energy Star bath fans with timer or humidistat
16.5		Kitchen range hood vented to exterior
16.6 0		Laundry rooms inside conditioned space must have a make-up air source
6.7 0		Whole house positive filtration
6.8 2 1		Efficient HVAC filter
16.9	1	HVAC filter easily accessible
6.10 1		Install screens on all windows and doors
6.11 0	1	Manual D duct design
16	52	Total Points



CATEGORY 6:			Version 1
Category Minimu	ım 10 /	Category Maximum 35	Revised 8-25-2
Components			
M1.1 0	1	Recycled content roof material	
M1.2 0	2 - 3	Certified sustainable lumber	
		0 homes with minimum of 1 story wood frame exterior walls have 80% of all lumber certified	
		0 home has no exterior wood walls & 80% of remaining lumber used for the home is certified.	
M1.3 0	1	Engineered / alternative material for outdoor living	
M1.4 0	1	Concrete with fly ash or blast furnace slag	
M1.5 0	1	Recycled content siding or soffit material	
M1.6 0 M1.7 0	1	Eco-friendly insulation	
M1.7 0 M1.8 0	1	Recycled content drywall	
M1.9 0	1	Recycled content paint Stool interior stude	
M1.10 0	1	Steel interior studs Eco-friendly flooring material	
M1.11 0	1	Eco-friendly nooring materials	
M1.12 0	1-3	Locally produced materials	
	1 3	minimum 80% of all new windows & doors are from local manufacturers & are operable	
		0 50% of all doors are reused doors or 50% of all windows are reused windows	
		0 80% of all structural components are from local sources - includes panelized & modular systems	
		and an additional components are non-rocal sources. Includes parietized & modular systems	
Waste Reduction			
M2.1 0	3	Resource efficient wall system with integral insulation	
M2.2 0	2	Develop a construction and demolition waste management plan	
M2.3 3	2 - 4	Implement job site waste management	
		4 # of items implemented	
		O List items (i.e.: a, b, c, etc.)	
M2.4 0	1	Compost bin/built in collection of recyclables	
M2.5 0	1 - 2	Engineered roof and floor components	
		0 80% of floor (or code allowance) 0 80% of roof (or code allowance)	
M2.6 0	1	Finger jointed or laminated products	
M2.7 0	1	Eco-friendly trim	
M2.8 0 M2.9 0	1	Perimeter based on 2 foot dimensions	
M2.9 0 M2.10 0	1 1	Over 50% of each interior wall adheres to a 2' layout	
M2.11 1	1	Stack framing 2-stud corners with drywall clips	
M2.12 0	1	T-wall with drywall clips	
12.12	_	1-wan with drywan clips	
Durability			
//3.1 0	1	Roof slope $\geq 3:12$ but $\leq 6:12$	
//3.2 1	1	Large overhangs (eave and gable)	
//3.3 0	1	Air admittance vents	
//3.4 0	1	Wood frame house and/or wood frame 2nd floors designed with vented rain screen	
/3.5	1	Siding and exterior trim primed all sides	
/13.6	1	Plants/turf minimum of 2ft. from foundation	
13.7 0	1	Sprinklers and emitters are located a minimum of 2 ft from foundation	
13.8	1	Use armored, PEX, or metal hoses (except copper) from service to all fixtures/appliances	
13.9 0	2	Automatic in home water sensor/shut off system installed	
13.10 0	1	Access panel to non-accessible plumbing fixture installed	
13.11 0	1	Laundry room below living floor or drain installed	
6	47	Total Points	

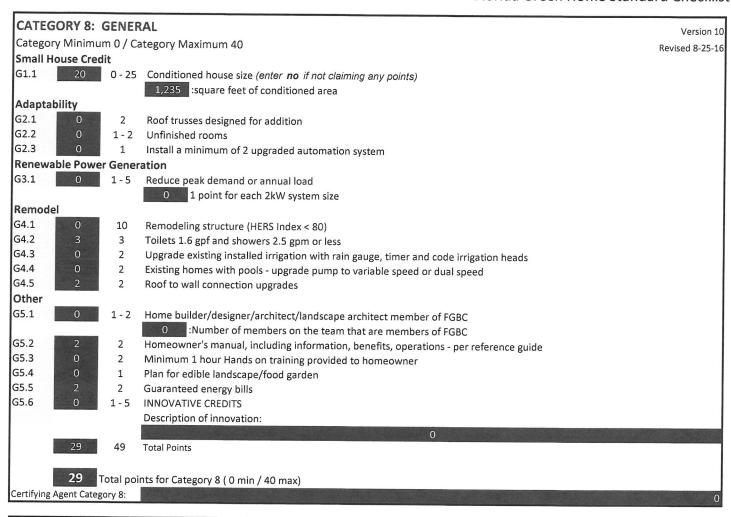


Certifying Agent Category 6:





Certifying Agent Category 7:



	FGBC Home Score	Version 10
Category	Your Score	Required Min - Max
Category 1: Energy	37	30 - 75
Category 2: Water	17	15 - 40
Category 3: Lot Choice	9	0 - 15
Category 4: Site	8	5 - 30
Category 5: Health	16	15 - 35
Category 6: Materials	6	10 - 35
Category 7: Disaster Mitigation	13	5 - 30
Category 8: General	29	0 - 40
Total:	135	
Total Need:	104	The Total Need number will automatically adjust as points are earned for each criteria in the checklist.
Certified Home Score	131	
,		Home Address
Certification Level:	Silver	0
		0

Catogory Minimum	- I	CHILOCH C. INDICHIOL
Category Minimum 10	-	Category Maximum 35
Points Achieved	Points Possible	Criteria
Components		200
M1.1	1	Recycled content roof material
M1.2 0	2-3	Certified sustainable lumber
	OR.	
		home has no exterior wood walls & 80% of remaining lumber used for
M1.3	1	Engineered / alternative material for outdoor living
M1.4	1	Concrete with fly ash or blast furnace slag
M1.5	1	Recycled content siding or soffit material
M1.6	1	Eco-friendly insulation
M1.7	1	Recycled content drywall
M1.8	1	Recycled content paint
M1.9	1	Steel interior studs
M1.10	1	Eco-friendly flooring material
M1.11	1	Eco-friendly ceiling materials
M1.12 0	1-3	Locally produced materials
		minimum 80% of all new windows & doors are from local manufacturers & are operable
		50% of all doors are reused doors or 50% of all windows are reused windows
		80% of all structural components are from local sources - includes panelized & modular systems
Waste Reduction		
M2.1	3	Resource efficient wall system with integral insulation
M2.2	2	Develop a construction and demolition waste management plan
M2.3 3	2-4	Implement job site waste management
		4 # of items implemented
		List items (i.e.: a, b, c, etc.)
	1	
M2.5 0	1-2	Pre-Engineered roof and floor components
		80% of floor (or code allowance) 80% of roof (or code allowance)
M2.6	1	Finger jointed or laminated products
M2.7	1	Eco-friendly trim
M2.8	1	Perimeter based on 2 foot dimensions
M2.9	1	Each interior wall adheres to 2-foot dimensions for minimum of 50% of the interior walls
M2.10	1	Stack framing
M2.11 1	1	2-stud corners with drywall clips
M2.12	1	T-wall with drywall clips and/or ladder type exterior tee framing



				M3.11	M3.10	M3.9	MJ.8	M3./	M3.6	M3.5	M3.4	M3.3	M3.2	M3.1
001 017	Certify	6	6						1	1			1	
	ing Agent	Total po	47	1	1	2	1	1	1	1	1	1	1	1
arce or you	Certifying Agent Category 6:	Total points for Category 6 (10 min / 35 max)	Total Possible Points	Laundry room below living floor or drain installed	Access panel to non-accessible plumbing fixture installed	Automatic in home water sensor/shut off system installed	Use armored, PEX, or metal hoses (except copper) from service to all fixtures/appliances	Sprinklers and emitters are located a minimum of 2 ft from foundation	Plants/turf minimum of 2-ft. from foundation	Siding and exterior trim primed all sides	Wood frame house and/or wood frame 2nd floors designed with vented rain screen	Air admittance vents	Large overhangs (eave and gable)	Roof slope ≥ 3 in 12 but ≤ 6 in 12



			OR	
	Damage replacement warranty issued and available for annual renewal	1		
	Irrigation/sprinkler water does not hit building	1		
	Condensate line(s) discharge a min of 2' from home & are located 5' or more from dryer vent	1		
	Rain gutters installed (downspouts discharge a minimum of 3' from home) OR meet large overhangs (>2')	1		
	Exterior cladding installed to prohibit intrusion	1		
	Chemical Soil Treatment Used	0 DM 5.1:	0 10	DM 5.1
	Sprinklers & emitters are 2 feet from house (Materials: M3.7) OR no installed irrigation (Water: W6.1)	required N/A	requ	
	Vegetation > 2 ft. from foundation (Materials: M3.6)	required N/A	requ	
	Seal slab penetrations (Health: H2.4)	required N/A	requ	
Certifying Agent Notes	Termites (must comply w/required credits listed below AND EITHER DM 5.1 OR DM 5.2 OR DM 5.3 to receive points)	/w/required	(must comply	Termites
Certifying Agent Notes	Installed Surge Suppression or Lightning Protection System	1 - 2 Instal	1	DM4
Cortifuing Agent Notes	ction	ics Protec	& Electronics Protection	Lightning
	in copinimicis installed to cover 100% of living area of nome			
		, l	0	DM3.2
		Yes		
		Yes		
	S Fire resistant exterior wall cladding	3 Yes	ω	DM3.1
Certifying Agent Notes	e for 3.1)	te all thre	corpora	Fire (mus
	Service Particular Par			
		Yes		
		Yes		
		3 Yes	w	DM2
Certifying Agent Notes	- Comments	rate all th	incorpo	Flood (m
	Comply with Fortified For Safer Living Standards	5 Com	1	DM1.8
	Adhesive applied to roof sheathing	2 Adhe	2	DM1.7
	Secondary water protection installed on roof	2 Seco	2	DM1.6
	Exterior structures and equipment properly anchored	1 Exter	1	DM1.5
	Attached garage and exterior door protection	1 Attac	t	DM1.4
	Window, door, and skylight protection or impact resistant type	2 Wind	2	DM1.3
	Unvented attic or No attic	2 Unve		DM1.2
0.00	Safe room	2 Safe	ı	DM1.1
Certifying Agent Notes	surge)	rain, storm surge		Hurricane (wind,
	ria	Possible Criteria	Achieved Pos	_
		Points	Points Po	
Revised 8-25-16	Category Maximum 30	5 / Catego	Category Minimum 5 /	Category
	CATEGORY 7: DISASTER MITIGATION			



Certifying Agent Category /:	
13 Total points for Category 7 (5 min / 30 max)	
13 41 Total Possible Points	
DWI5.4 - 1 80% of Cellulose insulation used is Borate treated	UNIS
	?
DIVI 5.3 DM 5.3: Treated wood products	DIV C
5	2
- Alternative Florida Building Code approved method of foundation protection employed	
- Chemical soil treatment avoided	
DM 5.2: Chemical Soil Treatment Avoided	DM 5
	,



	Total points for Category 8 (0 min / 40 max)	29 Tot	
	49 Total Possible Points (49 for new homes, 68 for existing homes)	29	
	Description of innovation:		
	1 - 5 INNOVATIVE CREDITS		G5.6
	2 Guaranteed energy bills	2	G5.5
			G5.4
	2 Minimum 1 hour hands on training provided to homeowner		G5.3
	2 Homeowner's manual, including information, benefits, operations - per reference guide	2	G5.2
	1 - 2 Home builder/designer/architect/landscape architect member of FGBC	0	G5.1
Certifying Agent Notes			Other
			0+45
	2 Improve roof to wall connections	2	G4.5
	2 Existing homes with pools - Upgrade pump to variable speed or dual speed		G4.4
			G4.3
	3 Toilets 1.6 gpf and showers 2.5 gpm or less	ω	G4.2
	10 Remodeling structure (HERS Index ≤ 80)		G4.1
Certifying Agent Notes	Remodel & Existing Homes - NOTE: Credits G4.1 - G4.5 are ONLY available for EXISTING homes	odel & Existir	Remo
	Enter size of PV System in kW (1 point for each 2kW)		
	1 - 5 Reduce peak demand or annual load	0	G3.1
Certifying Agent Notes	Renewable Power Generation	wable Powe	Rene
	± Justan a minimum of 2 dbgraded automation system		
	^		2.75
	2		G2.1
Certifying Agent Notes		Adaptability	Adap
	1,235 Square feet of conditioned area		
	0 - 25 Conditioned house size (enter no if not claiming any points)	20 0	G1.1
Certifying Agent Notes	dit	Small House Credit	Smal
	Possible Criteria	۵	
Revised 8-25-16	um 0 / Category Maximum 40	Category Minimum 0 /	Cate
	CATEGORY 8: GENERAL		





	New Is the landscape existing or new	
	.1 Yes Landscape Considerations	P3.1
Certifying Agent Notes	Prerequisite 3: No Invasive Exotic Species	Prere
	.4 Yes Home site does not border natural water body	P2.4
	.3 Yes Use of terraces, swales, or berms to slow storm water	P2.3
	.2 N/A No turf adjacent to natural water bodies(Low maintain plants instead)	P2.2
	.1 N/A Use of native aquatic vegetation in shoreline area	P2.1
Certifying Agent Notes	equisite.	Prere
		7
	.5 N/A Home has no pool or spa	P1.5
	.4 N/A Dedicated PV's to run pool equipment	P1.4
	.3 N/A Solar pool heating system	P1.3
	.2 N/A Pool Cover	P1.2
	.1 Yes Sanitation system that reduces chlorine use	P1.1
Certifying Agent Notes	Prerequisite 1: Swimming Pool / Spa	Prer
home for FGBC Certification	Required: One Item from each of the following 3 prerequisites MUST be incorporated in the home for	vedu
Revised 8-25-16	At least one measure from each of the following:	At le
S:	PREREQUISITES:	

			CATEGORY 1: ENERGY
Categ	Category Minimum 30 /	num 30	Category Maximum 75
	Points	Points	
	Achieved	Possible	Criteria
HERS	HERS Index - Energy Rating	nergy Ra	ting Certifying Agent Notes
E1.1	30	3 - 75	firmed Florida HERS Rating - 3 points for each HERS Index point below 80
			Yes :Does the Home have a confirmed HERS Index
			70 :Confirmed HERS Index
Desig	Design, Finishes,	s, Amenities	
E2.1			Thermal Enclosure System Inspection
E2.2	1	1	Ductwork joints sealed with mastic
E2.3		1	Ductwork smoke tested allowing leaks to be sealed prior to drywall
E2.4		1	Cross vent and ceiling fans code credit
E2.5		1	Roofed porch, Min 100ft^2 AND meets cross-ventilation requirements
E2.6		1	Passive solar space heating system
E2.7		1	Passive solar day-lighting
E2.8		1	Deciduous trees on south
E2.9	0	1-4	House shaded on east and west by trees
			% of the designated wall areas (average of east and west walls) that are shaded by trees.
E2.10		1	
E2.11		1	Floor joist perimeter insulated and sealed
E2.12	1	1	Light colored exterior walls (80% minimum)
			Enter the Solar Reflecive Index (SRI) of Paint
E2.13	1	1-2	Light colored interior walls, ceilings, carpet/floors
			Yes all major living spaces wall and ceiling surfaces have a reflectance of at least 50%
			Enter the Light Reflectance Value (LRV) of Paint
			bedrooms and all major living spaces have floors, walls, & ceilings are light-colored
			Enter the Light Reflectance Value (LRV) of Paint
E2.14	1	1	Max 100W fixtures in bathrooms
E2.15		Ъ	Pre-plumb for solar hot water
E2.16		2	Install a State Certified rated solar hot water system
E2.17		1	Compact hot water distribution
E2.18		1	Insulate all hot water pipes
E2.19	1	1	Energy-efficient clothes dryers
E2.20	1	1	Energy-efficient ovens/ranges
E2.21	1	1	Energy Star® clothes washers
E2.22		1	



こっつつ	D	7	T.C	
E2.23	C		ETICIENT envelope volume	
			Total Gross Wall Area	
			1 Conditional Square Footage	
			1 Number of Stories	
E2.24		1	Dwelling unit attached, zero lot-line, row house	
E2.25	N/A	1-2	Ceiling Penetrations: No pentrations in ceiling (2 points), No penetrations in the themal envelope (1 point)	
E2.26		3	Energy Star® Advanced Lighting Package	
E2.27		2	Outdoor lights are energy efficient.	
E2.28		ב	Lighting Motion Sensors	
E2.29		1	Energy Efficient Sheathing	
	37	112	Total Possible Points	
	37	Total poir	Total points for Category 1 (30 min / 75 max)	
	7	lame of HI	Name of HERS Rater:	
	Certifyin	ig Agent C	Certifying Agent Category 1:	

A NOTE ABOUT ENERGY

As you review the FGBC Green Home Standard you may wonder why many energy saving features do not appear as line items. The FGBC has elected to use a whole-house, performance-based energy rating for points versus offering an exhaustive list of prescriptive energy saving alternatives. The performance-based Energy Rating is called a HERS Index. For information purposes the adjacent chart lists many of the inputs used to calculate a home's HERS Index.

	Energy Gauge USA / HERS Index	Sindex
	Envelope	
Floors	Windows	Roof
Foundation type	# & size of windows	Roof Configuration / Slope
Insulation value	Tint / U-factor	Roof Material / Color
Perimeter / Area	Type of Frame	Attic Details
Floor covering	Overhang details	Conditioned ceiling Area
Walls	Ceilings	Solar absorbance
Orientation	Ceiling style	Roof deck insulation level
Area	Insulation value	Radiant barrier system
Insulation value	Area	Attic Ventilation ratio
Doors	Garage	Infiltration
Door Area / U Value	Attached or not	Building envelope leakage
	Equipment	
Hot Water	Ducts	Appliances and Lights
Type / location	Insulation value	Programmable Thermostat
Efficiency	Duct Location	Refrigerator
Daily usage	Air Handler Location	% fluorescent lighting
Set Temperature	Amount of leakage	Ceilings fans
Solar or heat recovery	Duct surface area	Dishwasher
Cooling	Heating	Photovoltaic's
System Type	System Type	Array
Capacity	Efficiency	Inverter
SEER	Capacity	Batteries



		CATEGORY 2: WATER	
Category M	inimum 15	Category Minimum 15 / Category Maximum 40	Revised 8-25-16
N/A	Is the I	Is the landscape existing or new	
Points	ts Points		
Achieved	ved Possible	Criteria	
W1 Fixture	Fixtures and Appliances	liances	Certifying Agent Notes
W1.1 0	2-3	Water saving clothes washer	
		: Water factor (WF) of clothes washer	
W1.2 -	1	Low-flow shower heads (must be ≤ 2.0 gpm)	
W1.3	1	sh	
W1.4 -	1-2	All lavatory sink faucets have flow rates of ≤ 1.5 gpm (all ≤ 1.0 gpm = 2 pts)	
W1.5 2	2	High-efficiency, dual-flush or single-flush toilets (all toilets ≤ 1.28 gpf)	
W1.6	1	Toilet with UNAR MaP Rating of 600 gpf or greater	
W2 Greywa	Greywater Reuse		Certifuing Agent Notes
W2.1	1-3	Greywater system installed	0.0
W3 Rainwa	Rainwater Harvesting	şting	Certifying Agent Notes
W3.1 3	1-3	Rainwater harvesting system installed	c
W4 Reclaimed Water Reuse	ned Water	Reuse	
W4.1 N/A	1-2	Water for irrigation	certifing agent Motes
W4.2	1	Meter on reclaimed irrigation system	
W4.3	1	Volume-based pricing arrangement	
W4.4	2	For toilet flushing	
W5 Installe	Installed Landscape	9e	Postificing Appar Notes
W5.1 2	2	Drought-tolerant turf, no turf in densely shaded areas	7::0
W5.2 1	1-3	60%, 80%,100%, of plants/trees from drought-tolerant list	
		60% Percentage of drought tolerant plant	
W5.3 2	2	All plants/trees selected to be compatible with their location in the landscape	
W5.4 3	3	Turf less then 50% of landscape	
W5.5	<u> </u>		
W5.6	1	No turf in densly shaded areas	
W5.7 1	2	No turf in densly shaded areas Plants with similar sun and water requirements grouped together	
	2	No turf in densly shaded areas Plants with similar sun and water requirements grouped together Mulch applied 3 - 4 inches deep around plants (no volcano mulch)	
W5.8 1	1 1 2 1	No turf in densly shaded areas Plants with similar sun and water requirements grouped together Mulch applied 3 - 4 inches deep around plants (no volcano mulch) Non-cypress mulch used	



	Credentials of Auditor:	Credentials		
	Landscape Auditor:	Landscap		
	Certifying Agent Category 2:	ying Agent (Certif	
	Total points for Category 2 (15 min / 40 max)	Total poi	17	
	Total Possible Points	57	17	
	Florida Friendly Landscape TM Program new construction certification	2		W7.2
	Meet or exceed Florida Water Star SM or WaterSense standards	5		W7.1
Certifying Agent Notes	W7 Additional Water Certification Requirements	nal Water	Addition	W7 /
	Pop-up sprinkler heads significantly rise above turf grass height	1		W6.7
	High volume irrigated areas have matched precipitation rates	1		W6.6
	In poor drainage (low) areas, heads are installed with check valves	1		W6.5
	Pressure regulating valves are installed for spray zones			
	Pressure compensating spray heads installed in spray zones		OR OR	
		1	0	W6.4
	Provide owner & FGBC with plan and instructions			
	Micro-irrigation only in landscape beds and narrow areas			
	Head to head coverage for rotor/spray heads			
	High-volume irrigation does not exceed 60% of landscape area			
	Separate zones for turf and landscape beds - multi program controller			
	Landscape irrigated to FGBC standard	3	0	W6.3
	Innovative irrigation technology	2	2	W6.2
	No permanent in-ground irrigation system	10	ı	W6.1
Certifying Agent Notes		W6 Installed Irrigation	nstalled	W6

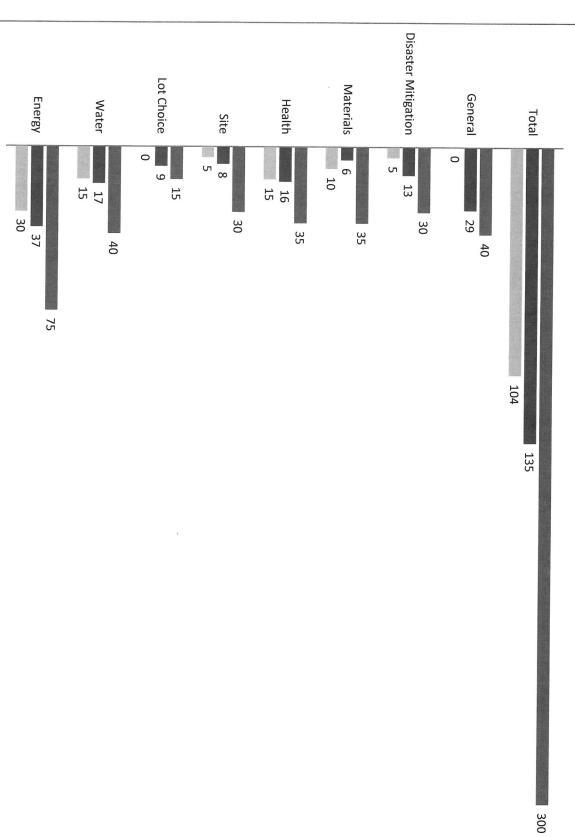


	itegory 3:	Certifying Agent Category 3:	Certifyin	
	Total points for Category 3 (0 min / 15 max)	otal point	9	
	Total Possible Points	21 T	9	
	Brownfield site	2 B		LC1.9
	Site located in small lot cluster development	2 S		LC1.8
	Yes Other office building or major employment center			
	Yes Supermarket	1		
	Yes School	1		
	Yes Restaurant	I		
	Yes Place of worship			
	Post office	1		
	Police station			
	Yes Pharmacy			
	Yes Medical or dental office			ON-
	Library			
	Laundry or dry cleaner	1		
	Yes Fitness center or gym			
	Yes Fire station			
	Daycare center			
	Yes Convenience store			
	Yes Community or civic center			
	1/2 Mile away from basic community resources	L		
	Site within 1/4 mile or 1/2 mile of existing basic community resources	2 S	2	LC1.7
	Site within 1/2 mile of public open/green space		2	LC1.6
	Site within 1/4 mile to mass transit	2 S	2	LC1.5
	Site within 1/8 mile of existing infrastructure	1 S	1	LC1.4
	Built on an infill site	2 E	2	LC1.3
	Home within a certified green local government			LC1.2
	he FGBC Certifi			
	Name of FGBC Green Development			
Certifying Agent Notes	House built within designated FGBC green land development	2-6	0	LC1.1
	Criteria	Possible (Achieved	
Revised 8-25-16	Category Minimum 0 / Category Maximum 15	um 0 / Ca	ory Minim	Categ
	CATEGORY 3: LOT CHOICE			



FGBC Green Home Certification Summary Chart









Florida Green Home Standard

Version 10

Instructions

Effective October 1, 2013 Revised 8-25-16

Please read the "Standard & Policies" document for complete compliance requirements and operating principles.

FOR NEW HOMES

Each home must comply with the three prerequisites in order to be eligible for certification. Select items to obtain the minimum number of points listed for each category (category minimums). (The sum of the minimums totals 80 points.) Accumulate at least an additional 20 points of your choice to obtain the required 100 TOTAL* to qualify for the program.

* If any category minimums cannot be achieved, point deficiencies may be added to the total minimum required score of 100, creating an "adjusted project minimum required points" (the points YOUR project must achieve for certification). (Example: Applicant elects to achieve only 10 points from a category with a minimum of 15. Project may still qualify if: total points equal or exceed 100 + [15-10] = 105.) Note that category maximums cannot be exceeded at any time. Some items require submittals that are colored red. Suggested submittals for other items are colored black

FOR EXISTING HOMES (REMODELS)

Existing homes are exempt from the three prerequisites and the category minimums that are required for new construction. Please refer to the "Standards & Policies" document Section 2 for the Standards definition of an existing home. Use Tabs 15 (Existing Home Application). Homes meeting the following requirements will receive a Green Remodel Designation.

- Existing homes must accumulate a total of 100 points to achieve certification
- Each existing home/remodel MUST achieve the required 13 REMODEL points (found in the General category)
- The remaining 87 points required for certification may be earned using any combination of credits.
- Category maximums can not be exceeded at any time.
- The minimum HERS Index to qualify for the FGBC Green Remodel Designation is 80.

Some items require submittals that are colored red. Suggested submittals for other items are colored in black.

FOR MULTI-FAMILY PROJECTS

For Multi-family projects. Use this checklist and the application form found on Tab 18. Green Home Certification is awarded to each individual unit that accumulates the appropriate number of points toward certification. Each unit is treated as a "home."

- Please refer to the Reference Guide for additional details regarding how to score common spaces for multi-family projects
- Please refer to the Standards & Policies document, Section 2-k. for additional information on streamlined submittal options.

IMPORTANT GUIDELINES:

- 1. The FGBC Home Standard Version in effect when the home is permitted is the checklist that must be used to certify the home. However, you may opt to use a newer version if available and applicable. Any application submitted using a previous version of the standard must provide a copy of the building permit.
- 2. Checklists and supporting documentation must be submitted by an Active FGBC Certifying Agent (CA).
- 3. If this Excel file is altered in any way, the application will not be accepted. Altered files will be returned unprocessed to the submitter.
- 4. Duing the review process, the project evaluator may request additional information and/or copies of "suggested submittals" indicated in the Reference Guide to verify that the project has achieved the credit point.

FGBC CERTIFICATION LEVELS

The FGBC Green Home Certification program uses a tiered rating system. Certification is awarded at different levels according to points achieved over the minimum point threshold.

Bronze	0-30 points over the project's required minimum
Silver	31-60 points over the project's required minimum
Gold	61-90 points over the project's required minimum
Platinum	91 + points over the project's required minimum

FEES

Single Family New and Existing Home Fees

Fee Builder or Homeowner Must Be Member \$75 Member of FGBC and FHBA \$100 Member of FGBC or FHBA

\$125 Non Member

Multi-Family Fees

Members \$100 application fee + \$100 per building + \$25 per unit Non Members \$100 application fee + \$100 per building + \$35 per unit

Additional Options

Pre-Application (next tab) use to receive your "application pending" yard sign, fee is deducted from your final application cost \$50

\$39 FGBC Certified Home Bronze Plaque

Instructions for Submission:

Electronic Submissions (Required)

Complete the credit card authorization above.

(Note: Payment by check is acceptable - see mailing instructions below)

Upload the application, checklist and supporting documents via the FGBC link below. All application packages must be submitted as one zipped file. https://dropbox.hightail.com/certifications

Mailing Instructions

Make check payable to "FGBC" based on fee schedule OR submit credit card payment information

Mail fees and a printed copy of the completed application with an electronic version of the Checklist and supporting documents to:

FGBC

1415 E. Piedmont Dr. Suite 5

Tallahassee, FL 32308-7954

For Additional Information:

Contact your Certifying Agent

or

Contact FGBC: www.FloridaGreenBuilding.org

PH: 850-894-3422

Email: info@FloridaGreenBuilding.org



Florida Green Home Standard

Version 10

Pre-Application & Request for Yard Sign

(Use this form to order an "Application Pending Yard Sign for site use during construction)

		Buil	der Information		
FGBC #			_FHBA #:		
Name: Company:					
Address:					
City / Zip:					
Phone:			_		
E-mail:					
DBPR License #:					
		Hor	ne Information		
Address:					
City/ST					
Zip Code			****		
		Certifyin	g Agent Information		
Name:					
Company:					
Address:					
City / Zip: Phone:					
Fax:					
E-mail:					
Amount Due:	\$75	(Will be Ap	oplied to Final Applicati	on Fee)	
Payment Information	on				
Credit Card Payment:	-	Visa	Mcard	Amex	Discover
Card Number:					
Expiration Date:			Billing Zip Code		
Name on Card:	6				
Cardholder Signature:					
Send To:					

FGBC, 1415 E. Piedmont Dr. Suite 5, Tallahassee, FL 32308-7954

Email: cooksb@nettally.com

Fax: 850-671-4897

			CATEGORY 4: SITE
Category Minimum 5	-	Category Maximum 30	Revised 8-25-16
N/A		That all credits in this category deal only with buildable land. What this means is t	uildable land. What this means is that if the land is not legally allowed to be disturbed then you may not
		count this as part of the percentage required for the given credit.	r the given credit.
Points	Points		
51 -	Plant P	reservation	Certifying Agent Notes
S1.1 2	2	Maximize tree survivability	
	1-2	Minimize soil compaction	
		Restrict all construction equipment from driving on site during construction except for	g on site during construction except for
		area o	area of <25% of site.
S1.3	2	Replant or donate removed vegetation	
S1.4 0	1-9	Preserve or create wildlife habitat / shelter	
		% of property that was created or preserved as a wildlife habitat or shelt	served as a wildlife habitat or shelter
On Site Use of Cleared Materials	eared	Materials	Certifying Agent Notes
S2.1	2	Mill clear trees	
S2.2 0	1-2	Reuse cleared materials for mulch / landscape	
Erosion Control / Topsoil Preservation	/ Topso	oil Preservation	Certifying Agent Notes
S3.1	2	Develop and implement an erosion control site plan	
S3.2 1	1	Stabilize disturbed soil	
\$3.3	2	Stage disturbance	
S3.4	1	Control sediment runoff during construction	
S3.5 1	1	Save and reuse any removed topsoil	
Drainage / Retention	ntion		Certifying Agent Notes
S4.1 2	2	Onsite designated retention area	
S4.2	2	Direct filtered rooftop runoff to planted area(s)	
S4.3 1	1 - 4	Maintain pervious surface area (If not taking po	(If not taking points input 1 for Total Lot Area)
		Partial Pervious	
		46 % Pervious Material	8633 Total Lot Area (sq. ft.)
		4653 Coverage Area (sq. ft.)	0 100% Pervious sq. ft.
		2140.38 Equivalent Pervious Area>	2140.4 Equivalent Pervious Area (semi-pervious)
		1 Total points for pervious area	
8	34	Total Possible Points	
∞	otal po	Total points for Category 4 (5 min / 30 max)	
Certifyin	g Agent	Certifying Agent Category 4:	



			CATEGORY 5: HEALTH
Catego	Category Minimum 15 /	num 15 /	Category Maximum 35 Revised 8-25-16
	Points	Points	
	Achieved	Possible	Criteria
Combustion	stion		Certifying Agent Notes
Н1.1		3	Detached or Air Sealed Garage or Carport
H1.2		1	Garage (attached or detached)- exhaust fan on motion sensor and timer
H1.3		1	Interior Fireplace - Direct vent, sealed combustion w/electronic ignition, factory built wood burning or no fireplace
H1.4	0	1 - 2	No unsealed space or water heating combustion located inside the conditioned area - or electric
			Space Heating Water Heating
			ric
			N/A Sealed combustion equipment N/A Sealed combustion equipment
			N/A Sealed combustion closet N/A Sealed combustion closet
			N/A Outside of conditioned space
Moist	Moisture Control	<u>o</u>	Certifying Agent Notes
H2.1		1	Drainage tile on and around top of footing
H2.2		1	Drainage board for below grade walls
H2.3		1	Gravel bed beneath slab on grade floors
H2.4		1	Seal slab penetration
H2.5		1	Capillary break between foundation and framing
H2.6	ω	ω	Central dehumidification system
H2.7		1	No vapor barrier on inside of assemblies
H2.8	1	1	Moisture control for tub/shower and shower surrounds
Source	Source Control		Certifying Agent Notes
H3.1	1	1	No exposed urea-formaldehyde wood products
нз.2		2	Zero VOC paints, stains, and finishes
H3.3		1	Low VOC paints, stains, and finishes
H3.4		1	Low VOC sealants and adhesives
Н3.5	N/A	1 - 2	Minimize carpet use (<50% 1pt, No wall to wall carpet 2pts)
Н3.6		1	Healthy flooring
Н3.7		1	Healthy insulation
Н3.8	1	1	Protect ducts, range hood, and bath exhaust fans during construction
H3.9	ω	ω	Integrated pest management plan



THE RESERVE OF THE PARTY OF THE			Certifying Agent Notes
H4.1 0	1-2	Central vacuum system	
		N/A System roughed in N/A Installed with exhaust outdoor	
		N/A Installed with exhaust indoor thru HEPA filter	
H4.2	1	Useable entry area	
Universal Design	gn		Certifying Agent Notes
H5.1 1	1-3	Universally designed living area	
Ventilation			Certifying Agent Notes
H6.1 -	2-4	Controlled mechanical ventilation	
Н6.2	1	Radon/Soil gas vent system installed	
Н6.3 1	1	Floor drain sealed	
H6.4	1	Energy star® bath fans with timer or humidistat	
H6.5 1	1	Kitchen range hood vented to exterior	
Н6.6	1	Laundry rooms inside conditioned space must have a make-up air source	
Н6.7	3	Whole house positive filtration	
Н6.8 2	1-2	Efficient HVAC filter	
H6.9 1	1	HVAC filter easily accessible	
H6.10 1	1	Install screens on all windows and doors	
H6.11	1	Manual D duct design	
16	52	Total Possible Points	
16	Total poi	Total points for Category 5 (15 min / 35 max)	
Certifvir	ng Agent (Certifying Agent Category 5:	



Draft Ranking



CITY OF KEY WEST, FLORIDA PLANNING DEPARTMENT

1300 White Street West, Florida 33040 Main: 305.809.3720

December 21, 2020

Gregory S. Oropeza 221 Simonton Street Key West FL 33040

Re:

Staff Comments for Year 8 (2020-2021) Building Permit Allocation System (BPAS) Application 3450 Duck Avenue (RE # 00053150-000000)

Dear Mr. Oropeza,

Thank you for your BPAS application for one (1) market-rate residential dwelling unit and one (1) affordable-rate residential unit on property located at 3450 Duck Avenue. The application has been reviewed for compliance with the criteria established in Chapter 108, Article X of the Land Development Regulations (LDRs) of the City's Code of Ordinances and reviewed for completeness with the application submittal requirements. The following are the planning department staff comments related to the review of the application.

Completeness

✓ The application included all of the documentation required.

BPAS Scoring Criteria

The points claimed in Exhibit C and D have been verified by staff.

Additional Documentation & Comments

The proposesd plans do not indicate a rainwater catchment system nor electronic charging units. Please submit revised plans including a rainwater catchment system that meets the minimum requirements and electronic charging units claimed as additional points. The proposed design may need a variance to Section 122-1181, "No accessory uses or structure shall be erected in any required front or side yard, and the accessory uses or structure shall not cover more than 30 percent of any required rear yard."

General Information

Deadline: Please submit one (1) paper copy and an electronic copy of your response and the requested revisions to the Planning Department no later than <u>5:00 p.m. on Friday, January 8, 2021</u>.

Assistance: Please contact us with any questions or need for clarification. Planning staff is available to meet with you to discuss your application in greater detail. More information is available at www.cityofkeywest-fl.gov/bpas.

Sincerely,

Melissa Paul-Leto

M. Paul-Loto

Planner I

P: 305.809.3724 E: mleto@cityofkeywest-fl.gov

Revised Plans

SITE DATA

SITE ADDRESS: 3450 DUCK AVE, KEY WEST, FLORIDA 33043

KW FWDN SUB PLAT 2 PB1-189 LTS 23 AND 24 SQR 10 G48-97/103 LEGAL DESC.: AE (EL 7') MAP & PANEL 12087C 1509K; EFFECTIVE 02-18-2005 FLOOD ZONE:

LOT AREA: 5,853.6 SF

SINGLE FAMILY RESIDENTIAL ZONING: LOW DENSITY RESIDENTIAL <u>F.L.U.M.:</u>

FRONT - 20 FT SETBACKS:

STREET SIDE - 10 FT; SIDE - 5 FT

REAR - 25 FT

MAX. BUILDING HEIGHT: 30 FT

MAX. BUILDING COVERAGE: 35% (MAX. IMPERVIOUS - 50%)

DESIGN DATA

DESIGN LOADS (MINIMUM):

ROOF DEAD LOAD 17 PSF (METAL) ROOF LIVE LOAD 20 PSF DEAD LOAD FOR UPLIFT CALCULATION FLOOR DEAD LOAD (WOOD FRAMING) 20 PSF FLOOR DEAD LOAD (12" CONCRETE) 150 PSF FLOOR LIVE LOAD (LIVING AREAS) 40 PSF FLOOR LIVE LOAD (BALCONY AREAS) 60 PSF

STAIRS LIVE LOAD 60 PSF AND 300 LBS NON-CONCURRENT

GUARD RAILS/HANDRAILS 200 LBS

WIND DESIGN SPECIFICATIONS:

BUILDING OCCUPANCY CATEGORY VB CONSTRUCTION TYPE

WIND SPEED

CS

GN

SP

A-1

A-2

A-3

E-1

M-1

P-1

S-1

S-2

S-3

S-4

S-5

ULTIMATE (LRFD) = 180 MPH ALLOWABLE (ASD)= 140 MPH WIND EXPOSURE CATEGORY ENCLOSURE CLASSIFICATION ENCLOSED +/- 0.18 INTERNAL PRESSURE COEFFICIENT YES WIND-BORNE DEBRIS AREA

REFER TO DRAWINGS FOR STRUCTURE HEIGHT AND AREA

STRUCTURAL LOADS AND DESIGN PRESSURES LISTED IN THESE PLANS ARE ALLOWABLE

ACCESSORY UNIT PLANS & ELEVATIONS

FOUNDATION & FIRST FLOOR FRAMING PLANS

SECOND FLOOR & ROOF FRAMING PLANS

ACCESSORY UNIT STRUCTURAL PLANS

DRAWING INDEX

PROJECT INFORMATION

PROPOSED FLOOR PLANS

PLUMBING LAYOUT PLANS

STRUCTURAL SECTIONS

STRUCTURAL DETAILS

PROPOSED ELEVATIONS

ELECTRICAL PLANS

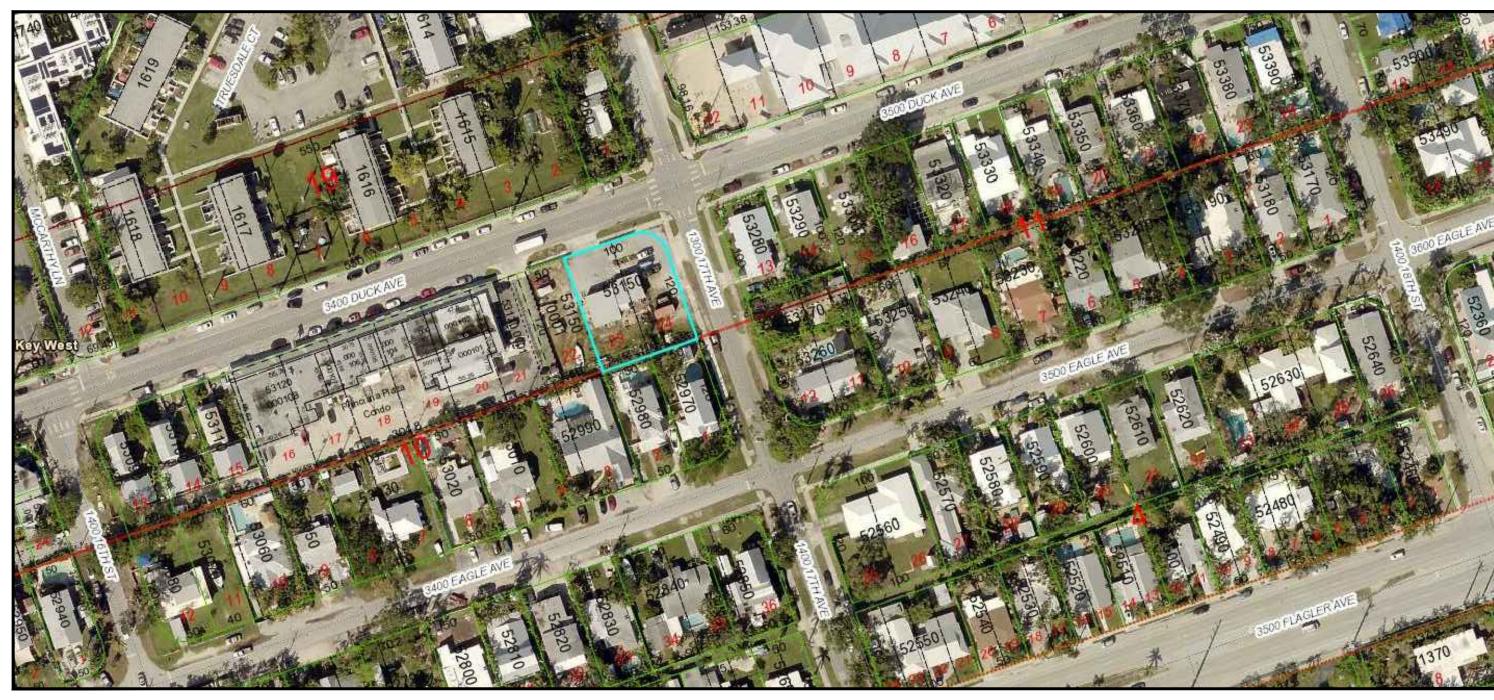
MECHANICAL PLANS

GENERAL NOTES

SITE PLAN

(ASD) UNLESS NOTED OTHERWISE

3450 DUCK AVENUE, KEY WEST, FL







SCOPE OF WORK

 NEW RESIDENTIAL CONSTRUCTION NEW ACCESSORY UNIT CONSTRUCTION

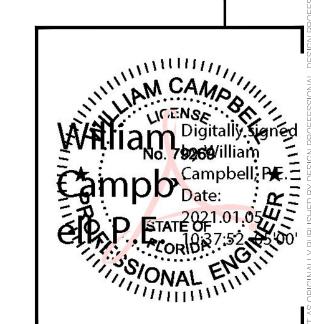
DESIGN CODE

- 2017 FLORIDA BUILDING CODE, 6th EDITION, BUILDING, FBC
- 2017 FLORIDA BUILDING CODE, 6th EDITION, RESIDENTIAL, FBC-R
- 2017 FLORIDA MECHANICAL CODE FBC-M
- 2014 NATIONAL ELECTRICAL CODE, NEC 2014
- 2017 FLORIDA PLUMBING CODE, FBC-P
- 2017 FLORIDA FUEL GAS CODE, 6th EDITION, FFPC • FLORIDA FIRE PREVENTION CODE, FBC-FG
- NATIONAL FIRE PROTECTION ASSOCIATION, NEBA

COVER SHEET

ABBREVIATIONS

PLANS ARE NOT VALID UNLESS SIGNED AND DATED



PROJECT #:

1838

Date: OCTOBER 26, 2020

SHEET 1 of 14

GENERAL NOTES

STRUCTURAL LUMBER

- 1. All wood members shall meet or exceed requirements stated in "ANSI/AF&PA National Design Specification for Wood Construction" and all referenced standards.
- 2. All wood members shall be Southern Pine #2, MC 19%, NO. 2 Dense or greater kiln dried as referenced in the Standards.
- 3. All wood members exposed to the exterior or directly contacting concrete or steel shall be Pressure Treated (PT) UC3B grade per AWPA Standards and treated with chemicals to protect from insects and decay. Allow wood to dry after treatement.
- 4. All field cuts in Pressure Treated lumber shall be treated on site.
- 5. Nailing shall be in accordance with FBC 2017. Nails and other fasteners for Pressure Treated wood shall be Stainless Steel or ACQ Approved treated.
- 6. Sheathing shall be $\frac{19}{32}$ " CDX Plywood Sheathing Grade, unless otherwise stated specified in the plans.
- 7. Use 10d ring-shank nails with spacing of 4" o.c. on all edges and 6" o.c. in the field with all edges blocked.
- 8. Cutting and notching of wood members including but not limited to floor joist shall not exceed one-sixth of the depth of the member and cannot be located in the middle one-third of the span
- 9. The depth of the notching at the ends of the wood members shall not exceed one-fourth of the depth of the member.
- 10. Beams, joist, and rafters with a thickness equal or greater than 4" shall only be notched at the ends of the members and shall not be notched on the tension side of the member.
- 11. Holes cut into wood members shall have a diameter less than one-third of the depth of the member and shall not be located closer than two inches to the top or bottom of the member.
- 12. Blocking shall be placed between all joist at a spacing not to exceed 8' on center.
- 13. Install Simpson LUS Series Galvanized Joist Hangers at locations where structural wood members including but not limited to joist and beams connect into other members

HARDWARE

- 1. Hardware shall meet or exceed 304 Stainless Steel properties or be Zmax galvanized for non exposed Simpson products, unless otherwise specified.
- 2. All connectors shall have stainless steel screws and fasteners or ACQ Approved treated for non exposed areas.
- 3. All connectors and fasteners shall be applicable for use and compatible with pressure treated wood.
- 4. Apply a bond breaker between the wood surface an any connector or fastener that is not compatible with pressure treated wood.
- 5. All connectors and fasteners shall be manufactured by Simpson Strong Tie or an approved equal and installed as per the manufactures recommendations prior to loading the connected wood member.
- 6. All structural members shall have a connector or fastener securing and anchoring the member for hurricane protection.

CAST IN PLACE CONCRETE

- 1. The concrete shall have the following properties:
- 1. Compressive strength at 28 days equal to or greater than 4000PSI
- 2. Ready Mix as per ASTM C94
- 3. Type 1 Portland Cement shall adhere to ASTM C 150
- 4. Normal weight aggregates shall adhere to ASTM C33
- 5. Light weight aggregates shall adhere to ASTM C330
- 6. No calcium chloride
- 7. Air entraining shall adhere to ASTM C260
- 8. Water reducing shall adhere to ASTM C494
- 9. Water used shall be fresh water which is clean and potable
- 10. Concrete slump range shall be within the range of 3" to 5" unless otherwise stated.
- 11. Applicable code is ACI 318 latest addition and ACI 301.

FOUNDATION AND CONCRETE

- 1. All footings including shall be placed on firm, undisturbed, natural rock unless otherwise noted.
- 2. All footings shall be centered under the walls, columns, or specified line unless otherwise noted
- 3. Auger piles shall be drilled no less than 3' into the cap rock and must be 16" in diameter unless otherwise noted.
- 4. All exposed concrete edges shall be constructed and finished with a $\frac{1}{2}$ " chamfer edge.
- 5. All concrete works including but not limited to mixing, placing, and curing shall conform with ACI 305R Hot Weather Concrete.
- 6. Concrete shall be water cured with a continuous flow of water over the surface of the concrete for 7 days or until 75% concrete compressive strength has been achieved. At this
- time, a concrete curing compound shall be applied to the surface of the concrete while the concrete is still damp or moist from the prior water curing event.
- 7. All soil below the concrete slab on grade shall be treated and covered with a 10MIL vapor barrier.

REINFORCING STEEL

- 1. The reinforcing steel shall be ASTM A615 Grade 60.
- 2. The splicing length shall be 45 times the bar diameter unless otherwise noted.
- 3. The rebar shall have a minimum clear cover of 3" for concrete placed at the existing grade elevation and a 2" minimum clear cover for concrete placed above the referenced elevation unless otherwise noted.
- 4. The welded wire fabric shall be in conformance with ASTM A-185.
- 5. The splice length of the welded wire fabric shall be one full mesh section with the ends and sides connected by tie wire.
- 6. All rebar accessories including but not limited to rebar chairs shall be installed in accordance with ACI 318.

GENERAL REQUIREMENTS

- 1. Prior to starting any work the Contractor shall review these plans and site conditions and notify the Engineer if any discrepancies are discovered or conflicts with these plans, specifications, or dimensions which affect the execution of construction or safety.
- 2. This set of plans is solely intended to be utilized for construction at the specified location.
- 3. The Contractor shall not scale the drawings and shall request additional information required for construction from the Engineer of Record.
- 4. The Contractor shall be responsible for calling Sunshine Utility Locate Service prior to performing any construction activities in any areas which underground utilities may be present. The Engineer of Record shall not be responsible for providing the location of utilities.
- 5. The Engineer of Record is not responsible for the supervision of the Contractor nor their employees during the construction.
- 6. The Contractor is responsible for providing and implementing the means and methods for the construction process and perform all works in conformance with the standards and requirements of the 2017 Florida Building Code, manufacturer's recommendations, local county and city codes and ordinances, and specifications referenced within these plans.
- 7. The Contractor must complete the construction in accordance with the Building Envelope Energy Requirements of the Florida Model Energy Code.
- 8. Quality of the work must meet or exceed the industry standard practices.
- 9. Any deviations from these plans shall be reviewed and approved by the Engineer of Record.
- 10. Install shoring as required for all structural members of the existing structure.
- 11. Contractor is responsible for all means and methods as required to improve or maintain the existing condition, structural integrity, and safety of the structure including but not limited to the design and installation of structural shoring or tie-downs and diligently performing works. The contractor is responsible for the safety of all personnel entering the designated working area.
- 12. The Contractor shall coordinate their work with all other trades in order to avoid scheduling conflicts.
- 13. The Engineer of Record certifying this document shall not be held liable for any financial or time related damages including but not limited to damages to the structure, personnel, time related delays, and structural issues that result from the construction in accordance with the applicable specifications of this certified document. The Contractor shall notify the Engineer of Record if any conditions or issues arise that do not adhere to the details specified.

PORTLAND CEMENT PLASTERING STUCCO NOTES

- The Contractor shall perform all work in conformance with the 2017 Florida Building Code.
- 2. Comply with ASTM C 926 in regards to project conditions while performing plastering/stucco works.
- 3. PVC Lath shall be fabricated from PVC, paper backed, and self furring. The product shall be Plastic Components, Inc. Ultra Plastic Lath or approved equal.
- 4. All accessories shall comply with ASTM C 1063
- 5. Plastic accessories shall be high impact PVC.
- 6. Corner beads shall be small nose corner beads with perforated flanges.
- 7. Casing beads shall be bull nose style.
- 8. Control joints shall be one piece, M-shaped configuration, with perforated flanges and removable protective tape on plaster face of control joint.

PORTLAND CEMENT PLASTERING STUCCO NOTES (cont'd)

- 9. Expansion joints shall be two piece, formed with a slip joint and square edge 1 -1/2" wide reveal with perforated concealed flanges.
- 10. Water for mixing shall be potable and free of any contaminants.
- 11. Fiber for base coat shall be alkaline resistant glass or polypropylene fibers 1 /2 inch long, free of contaminants, manufactured for use in portland cement plaster.
- 12. The bonding compound shall conform with ASTM C 932
- 13. Steel drill screws shall comply with ASTM C 1002 or ASTM C 954
- 14. Fasteners used for attaching the PVC lath to the substrates shall comply with the lath manufacturers requirements.
- 15. Fasteners used for attaching metal lath to substrates shall comply with ASTM C 1063
- 16. The Contractor shall perform all work in conformance with the 2017 Florida Building Code.
- 17. Masonry cement shall conform with ASTM C 91 Type N
- 18. Lime shall comply with ASTM C 206 Type S or ASTM C 207
- 19. Sand aggregate shall comply with ASTM C 897
- 20. Perlite aggregate shall comply with ASTM C 35
- 21. Plaster mixes shall comply with ASTM C 926
- 22. Comply with fiber manufacturers recommendations for quantity of fiber and mixing procedure.
- 23. Control joints shall be delineated into areas with the maximum sizes for vertical surfaces at 144 SQ. FT. and non vertical surfaces at 100 SQ. FT. with length to width ratios of $2\frac{1}{2}$:1.
- 24. Distances between control joints shall not exceed 18 FT.
- 25. Install control joints at locations where control joints occur in the main wall behind the plaster.
- 26. The plaster application shall conform with ASTM C 926.
- 27. The plaster application shall not deviate more than $\frac{1}{4}$ " in 10 FT.
- 28. Three coat plaster work shall contain base coat mixes for over PVC lath with scratch and brown coats.

FRAMING NOTES

- 1. Unless stated otherwise, all framing lumber shall be Southern Pine #2, MC 19%, NO. 2 Dense
- 2. All timber construction shall conform to the latest edition of AFTC, T.P.I, and National Design Specifications for Wood Construction.
- 3. All wood shall be PT(Pressure Treated) to prevent decay and protect from insects and must be dry prior to use.
- 4. All wood fasteners and connectors shall be compatible with PT wood.
- 5. For all non-compatible members with PT wood, building paper or an approved equal material must be used as a barrier between the referenced members.
- 6. All PT wood framing connections must utilize a products manufactured by Simpson Strong Tie or an approved equal and must be installed as per the manufacturers recommendations.
- 7. Blocking must be placed between all joist with a spacing not to exceed 8' O.C.
- 8. Simpson LUS Type Joist Hangars must be used at intersection points of all structural wood members including but not limited to joist and beams.
- 9. All structural wood members shall have a fiber stress of at least 1200PSI
- 10. Wood Studs shall be stress graded standard American Lumber (Fb=625 PSI, Fv=400PSI Minimum, E=1,000,000 PSI) #2 Southern Yellow Pine
- 11. General Sheathing Notes: 10d Ring Shank Nails, 4" O.C. for Short Side, 6" O.C. Long Side, 6" O.C. Field
- 12. General Bucking Notes: Exterior Windows: 1"x6" PT Buck on Jambs and Head, Exterior Doors: 2"x6" PT Buck on Jambs and Head, Install sufficient fasteners of specified type in order to meet or exceed stated loads.
- 13. Fasteners shall be spaced in equal distance across the length of the buck and shall be no closer than 2" or further than 4" from the end of the buck
- 14. The minimum fasteners for a top buck is 2 and the minimum fasteners for a side buck is 3.
- The approved fasteners are as follows: ³/₁₆ Tapcon with 1³/₄" Penetration and 230LBS of Connection Strength Capacity; ¹/₄" Tapcon with 2" Penetration and 380LBS of Connection Strength
- 16. Refer to manufacturers installation recommendations and specifications for the fasteners required for entry doors and windows

STRUCTURAL NOTES

- The design and applicable scope of work is intended to comply with the 2017 Florida Building Code and ASCE 7-10.
- 2. The structure referenced in these documents is designed to withstand the applicable forces from 180MPH wind load and a floor live load of 40PSF in accordance with ASCE 7-10.

 The soil bearing capacity must meet or exceed 2,000LBS per SQ. FT. Compaction required (Modified Proctor) typical under slabs, pile caps, grade beams, and foundation or where
- concrete is in contact with the soils at 98%.

 4. The engineer must be notified and submit a written approval for all modifications or deviations from the specified design.
- 5. The contractor shall provide all temporary shoring as required to resist all loads generated from wind or the construction sequence until all structural members, connectors, and fasteners are installed including shear walls and decking.
- 6. The contractor must submit material certifications/specifications, shop drawings and erection plans/drawings for all components and construction methods required for the structure to be constructed.
- 7. All major structural shop drawings must be submitted with calculations and the seal of a Florida Professional Engineer.

METAL AND STEEL BUILDING NOTES

1. GENERAL

- A. Metal building erector shall be responsible for erection of the steel and associated work in compliance with the metal building manufacturers association.
- B. The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. Metal building bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. Tension brace rods work in pairs to balance forces caused by initial tensioning. care must be taken while tightening brace rods so as not to cause accidental or misalignment of components. all rods must be installed loose and then tightened. Rods shall not exhibit excessive sag. for long or heavy rods or angles, it may be necessary to support the rod at mid-bay by suspending it from a secondary member.
- C. Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any structural components.
- D. All field welding must be done at the direction of a design professional, and done in accordance with aws (americian welding society) by welders qualified to perform the work as directed by the applicable welding procedure specification (wps). a wps shall be prepared by the contractor for each welding variation specified. the contractor is responsible for any special welding inspections as required by local jurisdiction.
- 2. MATERIALS

ERIALS tructural plates, channels and miscellaneous metals shall be in accordance with astm specification below

All structural plates, channe	els and miscellaneous metals sha	III be in accordance w
Material	ASTM Description	Yield strength (m
Structural steel plate a529/	a572 / a1011	50 ksi
Hollow structural	a500	42 ksi
Hot rolled str. shapesa500 /	/ a572 / a592 / a992	50 ksi
Hot rolled angles	a36	36 ksi
Cold formed shapes	a653/a1011	
Roof and wall sheeting	a653 / a792	
Bolts	a307 / a325	

- Anchor rods f1554 36 ksi
- All steel exposed to weather shall be galvanized or coated with primer and marine grade epoxy.
 Weld filler material shall be 70 ksi tensile strength.
- 3. EXECUTION

Rods

A. Install metals as detailed on metal building drawings and permit drawings.

a572/a108

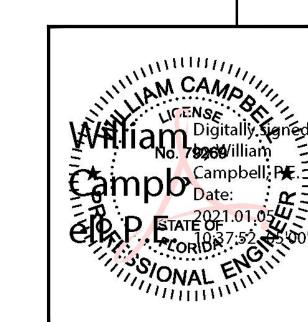
- B. Steel work shall conform to the latest edition of the design, fabrication and erection of structural steel for building as adopted by the aisc and metal building manufacturers assocation.
- C. All steel shall be painted with one coat of primer and shall be touched up after installation, unless the material is stainless steel.
- D. Steel exposed to the elements shall also be coated with a marine grade epoxy unless the material is stainless steel.
- E. Coat all steel members with marine grade epoxy for corrosion resistance.

THE FOLLOWING LOCATION:
3450 DUCK AVENUE
KEY WEST ELORIDA

L ENGINEERING SULTANTS LLC I, P.E. License #: 79269 om CA/Registry #: 3143

PLANS ARE NOT
VALID UNLESS
SIGNED AND DATED

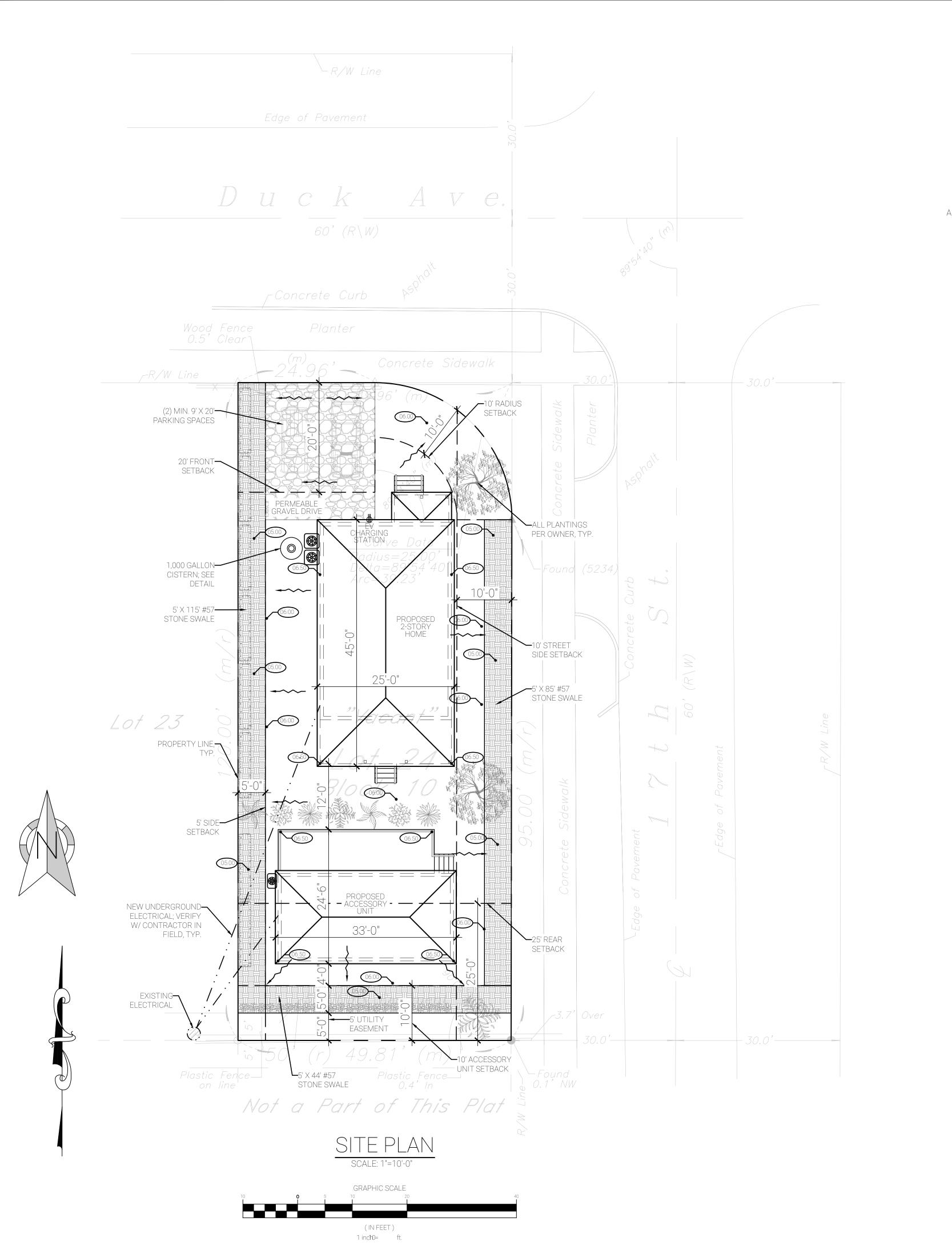
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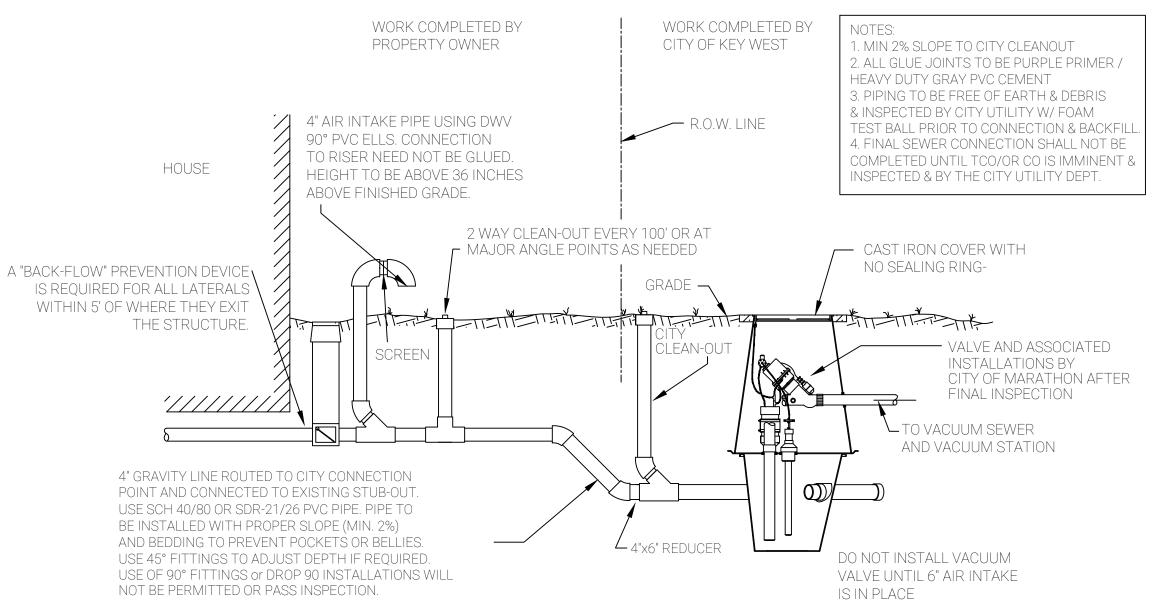


PROJECT #:

Date: 0CT0BER 26, 2020

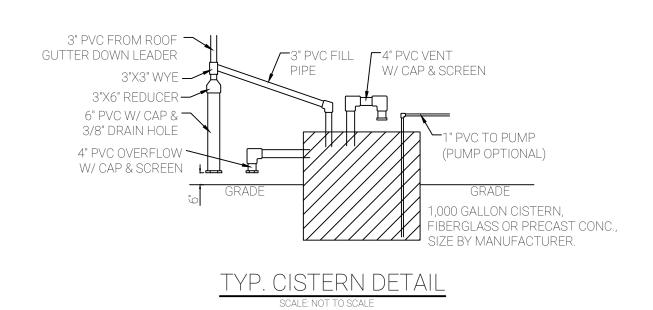
SHEET 2 of 14

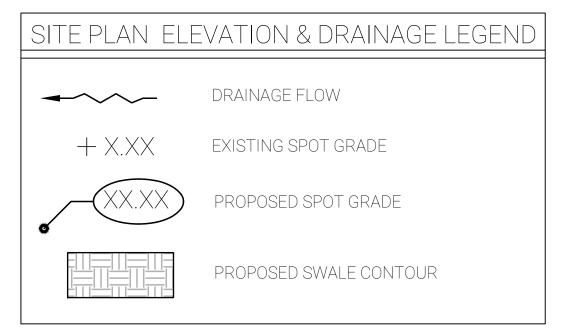


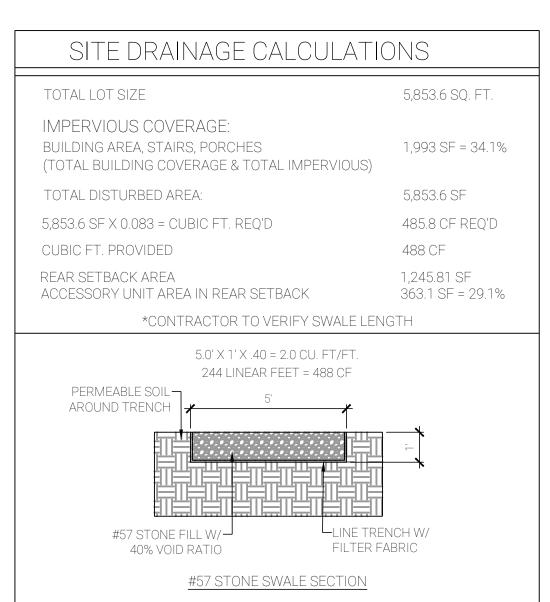


TYPICAL SEWER CONNECTION

NOT TO SCALE







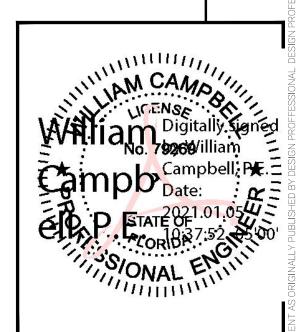
CAMPBELL ENGINEERING CONSULTANTS LLC

.69 :31437

William R. Ca Email: will@d Phone #: 305

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

PLANS ARE NOT VALID UNLESS SIGNED AND DATED



PROJECT #:

1838

Date:
OCTOBER 26, 2020

SHEET 3 of 14

SHEET#

SP

EXTERIOR DOOR SCHEDULE						
MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER	
$\langle 01 \rangle$	3'-0" x 6'-8" ZONE 4	IMPACT DOOR	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
(02)	(2)3'-0" x 6'-8" ZONE 4	IMPACT FRENCH DOORS	+54.0 / -62.9	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
(03)	(2)3'-0" x 6'-8" ZONE 5	IMPACT FRENCH DOORS	+54.0 / -67.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR	

- CONTRACTOR TO PROVIDE THE NOA'S. CONTRACTOR TO FIELD VERIFY ALL DOOR DIMENSIONS.
- CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

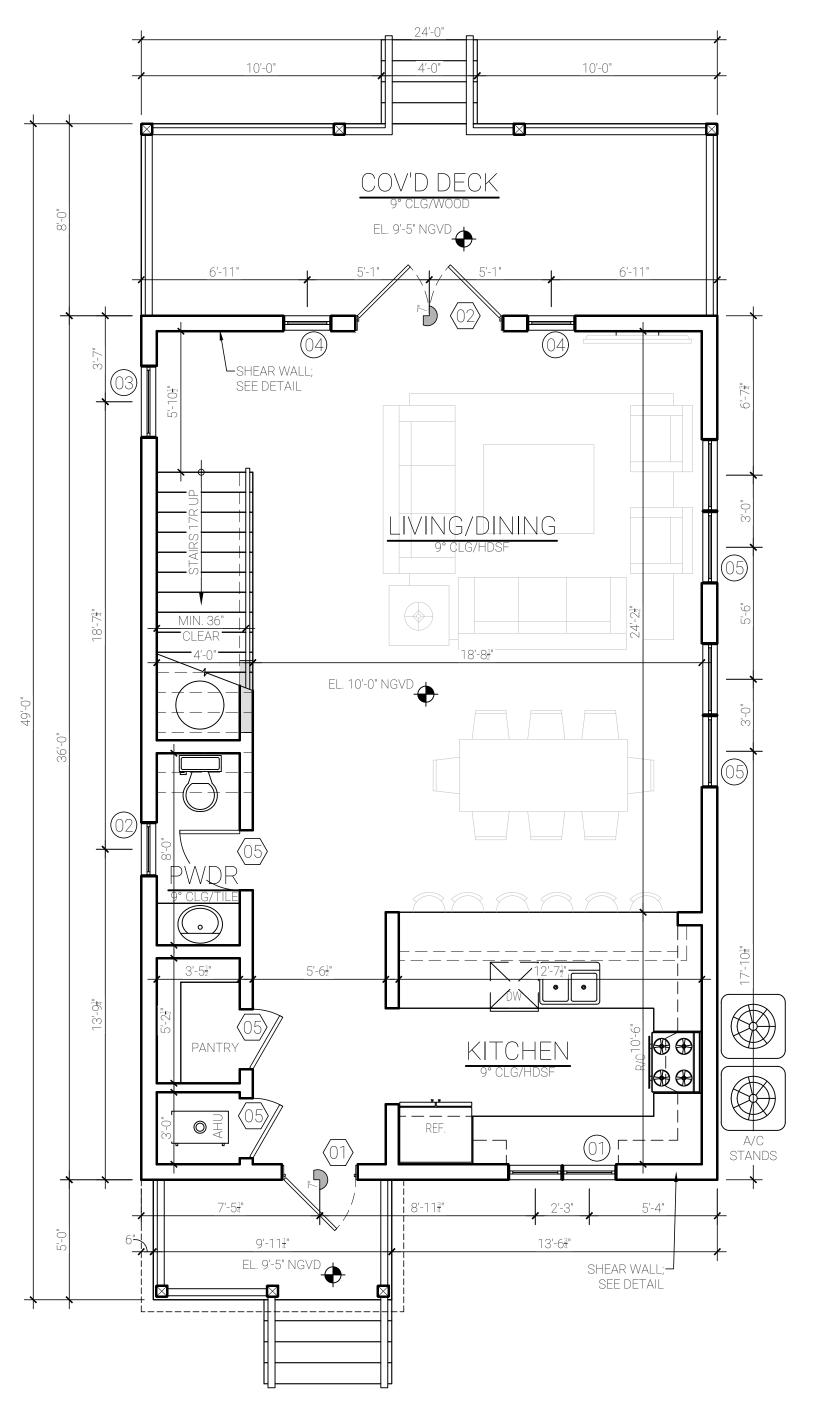
	WINDOW SCHEDULE					
MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER	
01)	(2)2'-3" x 4'-0" ZONE 4	SINGLE HUNG	+54.5 / -64.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
02	2'-3" x 5'-0" ZONE 4	SINGLE HUNG	+57.4 / -62.2	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
03)	3'-0" x 5'-0" ZONE 5	SINGLE HUNG	+56.5 / -74.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
04)	2'-0" x 6'-0" ZONE 4	SINGLE HUNG	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
05)	(2)3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+54.0 / -62.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
06)	3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+56.5 / -61.3	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
07	5'-0" x 1'-6" ZONE 4	CLERESTORY AWNING	+57.8 / -69.6	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
08)	3'-0" x 1'-6" ZONE 4	CLERESTORY FIXED	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
09	2'-0" x 4'-0" ZONE 4	SINGLE HUNG	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR	

NOTE: ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW TO MEET FL. BLDG. CODE 2017 FOR EGRESS. A MIN. 5.7 SQ. FT. NET CLEAR OPENING IS REQUIRED WITH A MIN. NET CLEAR HEIGHT OF 24" & MIN. NET CLEAR WIDTH OF 20" & A MAX. SILL HEIGHT OF 44" ABV. FINISHED FLOOR. ADDITIONAL NOTES:

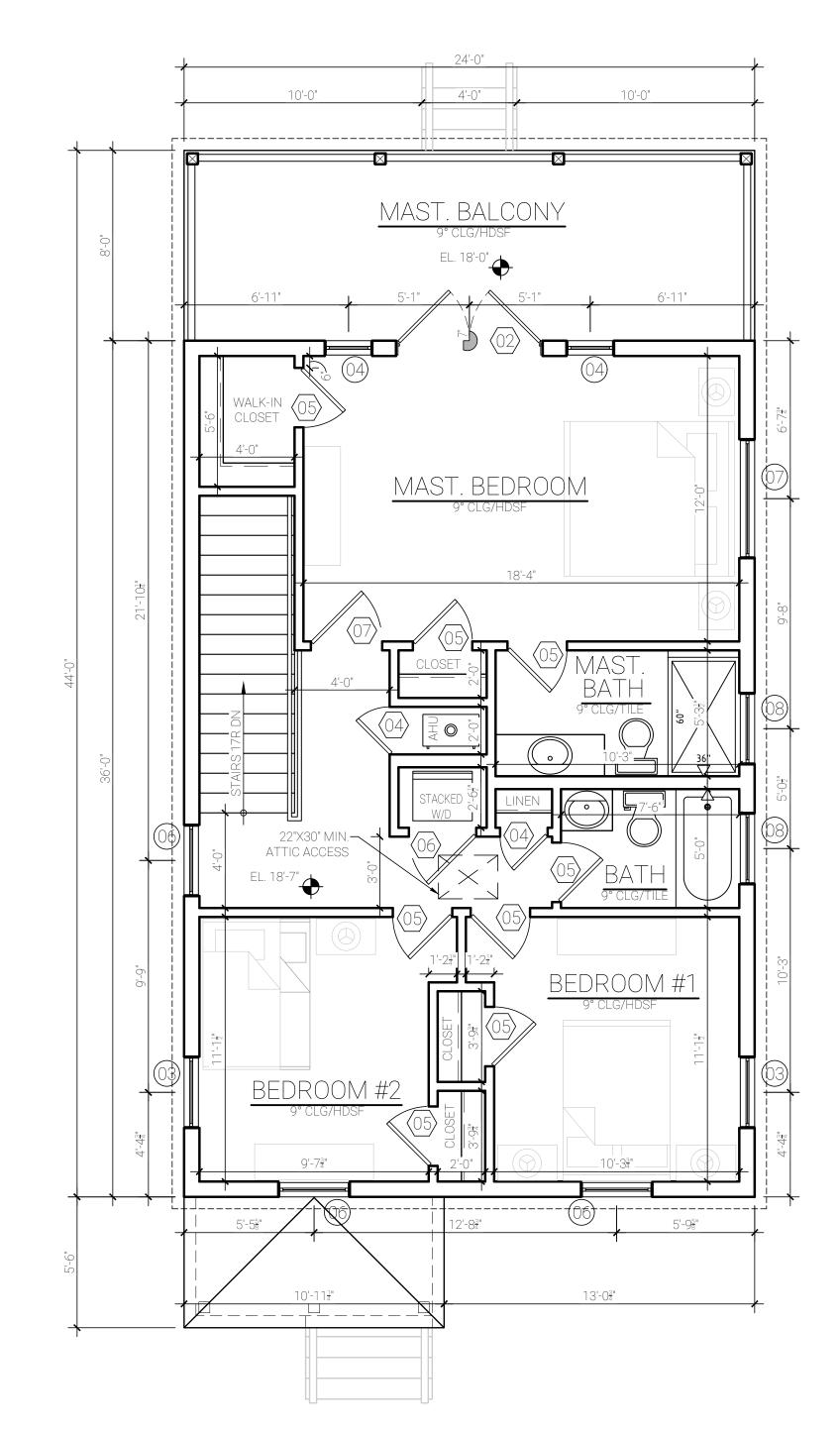
- CONTRACTOR TO PROVIDE THE NOA'S.
 CONTRACTOR TO FIELD VERIFY ALL WINDOW DIMENSIONS. 3. CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

	INTERIOR DOOR SCHEDULE						
MARK	NOMINAL SIZE (W X H)	DESCRIPTION	ROUGH OPENING	MANUFACTURER / MODEL	FINISH	HARD- WARE	
(04)	2'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	
(05)	2'-6" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	
(06)	2'-8" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	
(07)	3'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	
(08)	(2)2'-0" x 6'-8"	2 PANEL/SOLID WOOD FRENCH DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	
(09)	6'-0" x 6'-8"	2 PANEL/SOLID WOOD BI-PASS DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD	

BUILDI	NG AREA	
1st FLOOR LIVING A/C	864 SQ. FT.	
2nd FLOOR LIVING A/C	864 SQ. FT.	
TOTAL LIVING A/C		1728 SQ. FT.
1st FLOOR ENTRY	68 SQ. FT.	
1st FLOOR REAR DECK	192 SQ. FT.	
2nd FLOOR REAR DECK	192 SQ. FT.	
TOTAL EXTERIOR LIVING		452 SQ. FT.
TOTAL MAIN HOME FOOTPRINT		1208 SQ. FT.
ACCESSORY UNIT A/C	512 SQ. FT.	
ACCESSORY UNIT DECK	240 SQ. FT.	
ACCESSORY UNIT TOTAL FOOTPRINT		785 SQ. FT.
TOTAL SITE FOOTPRINT		1993 SQ. FT.

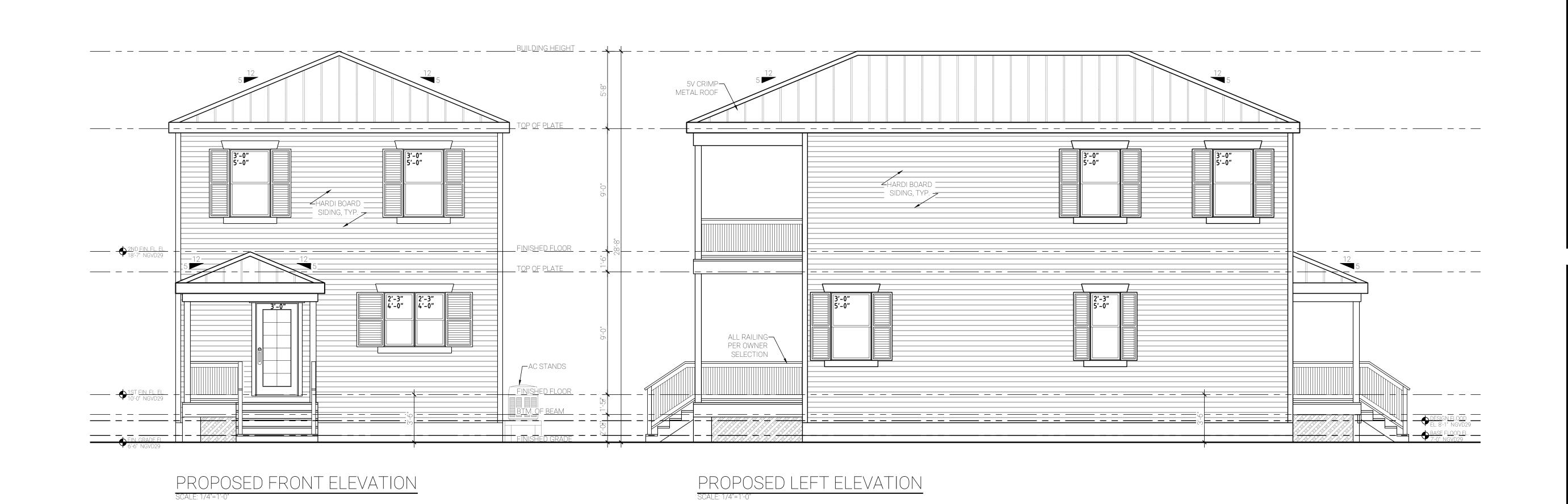


PROPOSED FIRST FLOOR PLAN



PROPOSED SECOND FLOOR PLAN

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION: 3450 DUCK AVENUE KEY WEST, FLORIDA AMPBELL ENGINEERING Consultants llc PLANS ARE NOT VALID UNLESS SIGNED AND DATED PROJECT #: 1838 Date: OCTOBER 26, 2020 SHEET 4 of 14 SHEET#





CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

PLANS ARE NOT VALID UNLESS SIGNED AND DATED

William Digitally signed Date:

PETATE OF 1.01.05

PROJECT #:

Date:

OCTOBER 26, 2020

SHEET 5 of 14

SHEET#

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EXTERIOR DOOR SCHEDULE						
MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER	
$\langle 01 \rangle$	3'-0" x 6'-8" ZONE 4	IMPACT DOOR	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
(02)	(2)3'-0" x 6'-8" ZONE 4	IMPACT FRENCH DOORS	+54.0 / -62.9	BY CONTRACTOR	PROVIDED BY CONTRACTOR	
(03)	(2)3'-0" x 6'-8" ZONE 5	IMPACT FRENCH DOORS	+54.0 / -67.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR	

- CONTRACTOR TO PROVIDE THE NOA'S. CONTRACTOR TO FIELD VERIFY ALL DOOR DIMENSIONS.
- CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

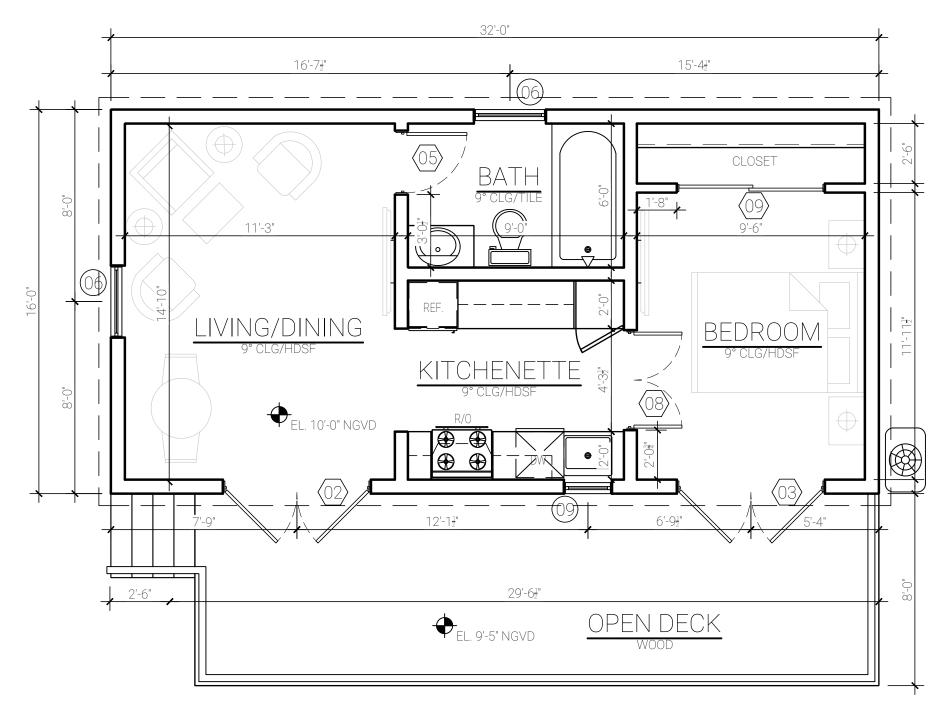
WINDOW SCHEDULE					
MARK	NOMINAL SIZE (W X H)	TYPE	WINDLOAD REQUIREMENT (ASCE 7-10)	MANUFACTURER & MODEL NUMBER	WINDLOAD RATING & APPROVAL NUMBER
01	(2)2'-3" x 4'-0" ZONE 4	SINGLE HUNG	+54.5 / -64.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR
02	2'-3" x 5'-0" ZONE 4	SINGLE HUNG	+57.4 / -62.2	BY CONTRACTOR	PROVIDED BY CONTRACTOR
03)	3'-0" x 5'-0" ZONE 5	SINGLE HUNG	+56.5 / -74.7	BY CONTRACTOR	PROVIDED BY CONTRACTOR
04)	2'-0" x 6'-0" ZONE 4	SINGLE HUNG	+57.3 / -62.1	BY CONTRACTOR	PROVIDED BY CONTRACTOR
05)	(2)3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+54.0 / -62.4	BY CONTRACTOR	PROVIDED BY CONTRACTOR
06)	3'-0" x 5'-0" ZONE 4 *EGRESS	SINGLE HUNG	+56.5 / -61.3	BY CONTRACTOR	PROVIDED BY CONTRACTOR
07)	5'-0" x 1'-6" ZONE 4	CLERESTORY AWNING	+57.8 / -69.6	BY CONTRACTOR	PROVIDED BY CONTRACTOR
08)	3'-0" x 1'-6" ZONE 4	CLERESTORY FIXED	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR
09	2'-0" x 4'-0" ZONE 4	SINGLE HUNG	+57.8 / -62.5	BY CONTRACTOR	PROVIDED BY CONTRACTOR

NOTE: ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW TO MEET FL. BLDG. CODE 2017 FOR EGRESS. A MIN. 5.7 SQ. FT. NET CLEAR OPENING IS REQUIRED WITH A MIN. NET CLEAR HEIGHT OF 24" & MIN. NET CLEAR WIDTH OF 20" & A MAX. SILL HEIGHT OF 44" ABV. FINISHED FLOOR. ADDITIONAL NOTES:

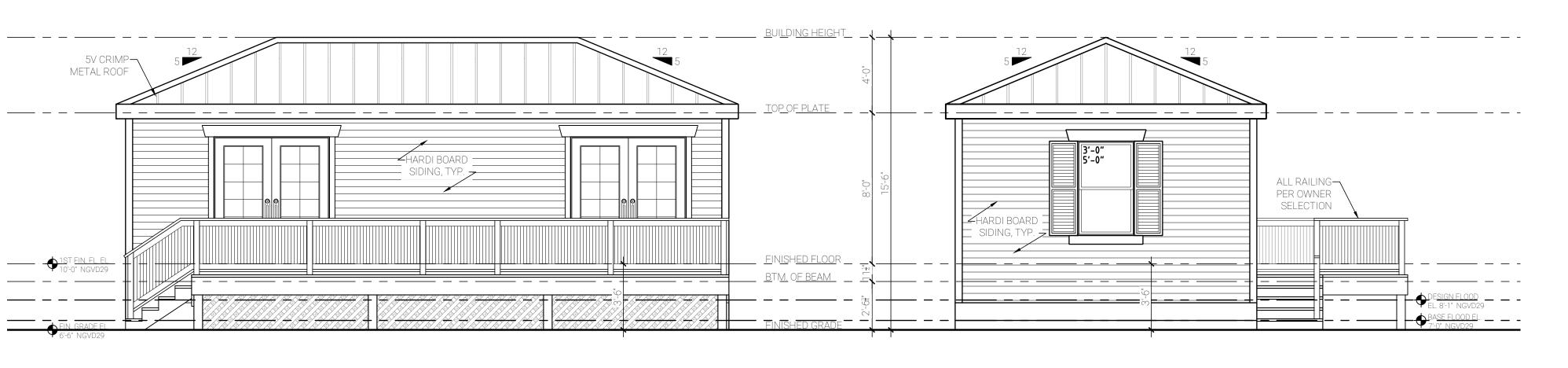
- 1. CONTRACTOR TO PROVIDE THE NOA'S.
- CONTRACTOR TO FIELD VERIFY ALL WINDOW DIMENSIONS. 3. CONTRACTOR TO FOLLOW ALL MANUF. INSTRUCTIONS FOR INSTALLATION.

INTERIOR DOOR SCHEDULE						
MARK	NOMINAL SIZE (W X H)	DESCRIPTION	ROUGH OPENING	MANUFACTURER / MODEL	FINISH	HARD- WARE
(04)	2'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
(05)	2'-6" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
(06)	2'-8" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
(07)	3'-0" x 6'-8"	2 PANEL/SOLID WOOD SWING DOOR	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
(08)	(2)2'-0" x 6'-8"	2 PANEL/SOLID WOOD FRENCH DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD
(09)	6'-0" x 6'-8"	2 PANEL/SOLID WOOD BI-PASS DOORS	VERIFY	JELD-WEN / 0066 OR EQUAL	TBD	TBD

BUILDI	NG AREA	
1st FLOOR LIVING A/C	864 SQ. FT.	
2nd FLOOR LIVING A/C	864 SQ. FT.	
TOTAL LIVING A/C		1728 SQ. FT.
1st FLOOR ENTRY	68 SQ. FT.	
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TOTAL EXTERIOR LIVING		452 SQ. FT.
TOTAL MAIN HOME FOOTPRINT		1208 SQ. FT.
ACCESSORY UNIT A/C	512 SQ. FT.	
ACCESSORY UNIT DECK	240 SQ. FT.	
ACCESSORY UNIT TOTAL FOOTPRINT		785 SQ. FT.
TOTAL SITE FOOTPRINT		1993 SQ. FT.



ACCESSORY UNIT FLOOR PLAN



CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

ENGINEERING Tants llc

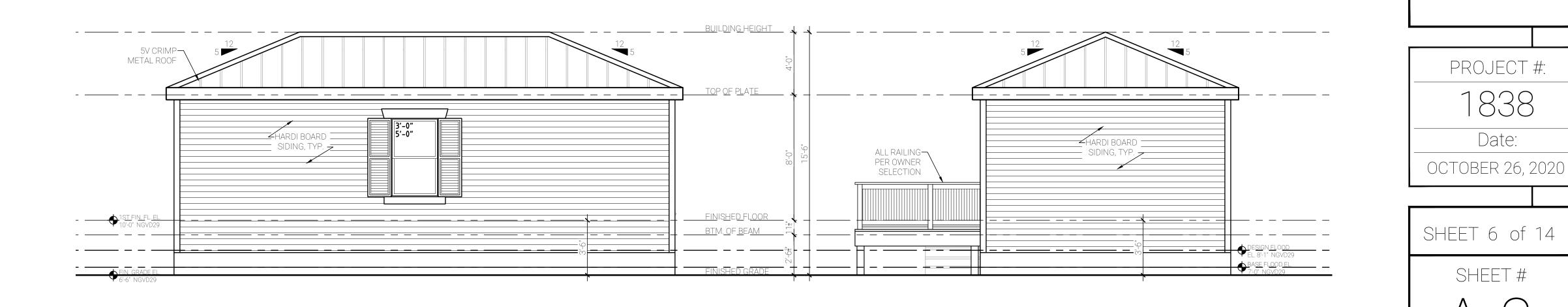
SAMPBELL E CONSULT

PLANS ARE NOT

VALID UNLESS SIGNED AND DATED

PROJECT #:

Date:



ELECTRICAL NOTES:

- 1. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO PROVIDE THE WORK COMPLETE AND READY TO USE.
- 2. ALL DEVICES, EQUIPMENT, MATERIAL AND LABOR SHALL LBE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. 3. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND DEVICE MANUFACTURER RECOMMENDATIONS.
- 4. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE CODES AND STANDARDS.
- 5. NO PIPE, CONDUIT OR JUNCTION BOX SHALL BE INSTALLED IN STRUCTURAL SLABS, COLUMNS OR BEAMS UNLESS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING EXISTING CONDITIONS AT THE SITE AND WITHIN THE BUILDING PRIOR TO BID. 7. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY FOR NEW SERVICE AND ANY SPECIAL REQUIREMENTS.
- SECONDARY SERVICE OVERHEAD FEEDER BY KEYS. ELECTRICAL CONTRACTOR SHALL COORDINATE SPLICE LOCATION WITH KEYS SERVICE REQUIREMENTS. 8. ELECTRICAL DRAWINGS (PLANS, DIAGRAMS, ETC.) ARE
- DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE DRAWINGS DO NOT SHOW EVERY BEND, OFFSET, ELBOW AND OTHER FITTINGS WHICH MAY BE REQUIRED FOR PROPER INSTALLATION IN THE SPACE ALLOCATED OR AS REQUIRED TO COORDINATE WORK WITH THAT OF OTHER TRADES. ANY WORK NOT SHOWN BUT
- CONSIDERED NECESSARY FOR PROPER COMPLETION OF THE WORK SHALL BE PROVIDED WITHOUT ADDITIONAL CHARGES TO THE OWNER. 9. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE
- MANNER. 10. ALL MAERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL ELECTRICAL EQUIPMENT SHALL
- COMPLY WITH NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION (NEMA) STANDARDS AND SHALL BE UL LABELED. 1. THE CONTRACTOR SHALL SATISFACTORILY REPAIR AND/OR REPLACE EXISTING WORK, FEATURES AND EQUIPMENT DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHES SHALL BE
- RESTORED TO MATCH ADJACENT AREAS. 12. ALL CUTTING AND NOTCHING REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE ACCOMPLISHED IN AN APPROVED MANNER. APPROVAL SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO CUTTING OR DRILLING STRUCTURAL
- MEMBERS UNLESS SPECIFICALLY ADDRESSED HEREIN. 13. EXISTING ELECTRICAL WORK, FEATURES AND EQUIPMENT INDICATED AND/OR REQUIRED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY THE CONTRACTOR INCLUDING ABANDONED RACEWAYS, WIRING, BOXES, SWITCHES AND OTHER
- ELECTRICAL ITEMS NOT PLANNED TO REMAIN IN USE. 14. ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED IN FINISHED AREAS EXCEPT AS SPECIFICALLY
- SHOWN OR NOTED OTHERWISE. 15. ALL CONDUITS INSTALLED INTERIOR SHALL BE EMT. ALL CONDUITS INSTALLED EXTERIOR SHALL BE GALVANIZED RIGID METAL CONDUIT.
- 16. ALL WIRE SIZE SHALL BE #12 UNLESS OTHERWISE NOTED ON DRAWINGS. CONDUCTIORS #10 AND SMALLER SHALL BE SOLID COPPER. CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER. UNLESS NOTED OTHERWISE, CONDUCTOR INSULATION SHALL BE DUAL RATED AT THHN/THWN.
- 17. ALL MATERIAL SHALL BE UL APPROVED. 18. A TYPEWRITTEN PANEL TALLY SHALL BE AFFIXED TO THE PANEL DOOR AFTER COMPLETION OF WORK THAT REFLECTS ALL
- CHANGES AND ADDITIONS. 19. CONTRACTOR TO PROVIDE COMPUTER PRINTED ON WHITE WRAPAROUND PAPER WITH CLEAR PLASTIC PROTECION FOR TAIL FOR ALL WIRE MARKERS. MARKER SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER ON ALL WIRES IN JUNCTION AND
- CONTRACTOR TO PROVIDE PUNCH TAPE LABELS ON ALL WIRING DEVICES FOR IDENTIFICATION. SHALL BE 1/2" BLACK TAPE WITH WHITE RAISED LETTERS. TAPE LABELS SHALL STATE
- PANELBOARD NAME AND CIRCUIT NUMBER. 21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF RECORD DRAWINGS TO THE OWNER AT THE
- END FOR THE CONSTRUCTION. 22. ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED WITHIN 10%.
- 23. ALL FLOOR PENETRATIONS SHALL BE SEALED WITH A FIRE SEAL SIMILAR TO 'OZ' FLAMESEAL. 24. ALL NON-POWER RELATED WIRING IN CEILING A/C PLENUM
- RUNNING WITHOUT CONDUIT SHALL BE TEFLON COATED CLASSIFIED FOR USE IN PLENUMS. 25. ALL OUTLETS, SWITCHES AND COVER PLATES SHALL HAVE WHITE FINISH OR OTHER COLOR SELECTED BY OWNER AND
- LEVITON 5350/5252 SERIES OR EQUAL. 26. ALL BRANCH CIRCUITS SHALL BE EQUIPPED WITH A GREEN EOUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE
- WITH NEC 250.95. 27. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH NYLON PULL
- STRINGS.
- 28. FUSES SHALL BE DUAL ELEMENT, TIME DELAY UNLESS OTHERWISE NOTED.
- 29. ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH CEILING MANUFACTURER RECOMMENDATIONS IF APPLICABLE AND LOCAL REQUIREMENTS. MOUNTING DEVICES MUST BE CAPABLE OF SUPPORTING CEILING FAN FIXTURES.
- 30. ALL RECESS CANS SHALL BE IC RATED, AND CONTROLLED BY DIMMER SWITCHES.
- OTHERWISE NOTED. 32. PROVIDE REQUIRED CONNECTION FOR GARAGE DOOR OPENER(S), KITCHEN APPLIANCES, AND MECHANICAL EQUIPMENT.

31. ALL CABLES SHALL BE RUN WITHOUT SPLICES UNLESS

- 33. ALL BATHROOM, GARAGE AND EXTERIOR RECEPTACLE OUTLETS AND KITCHEN RECEPTACLE OUTLETS WITHIN 6' OF WATER SOURCE SHALL BE GFI PROTECTED. ALL KITCHEN AND LAUNDRY RECEPTACLES WILL ALSO BE ARC-INTERRUPT. ALL EXTERIOR RECEPTACLE OUTLETS SHALL BE WATER-PROOF
- PROTECTED. ALL BEDROOM RECEPTACLE OUTLETS SHALL BE ARC FAULT PROTECTED IN ACCORDANCE WITH NEC 210-12. 34. MECHANICAL VENTILATION, WHEN REQUIRED, SHALL OPERATE WHENEVER THE ROOM IS OCCUPIED
- 35. CEILING BOXES USED FOR THE SOLE SUPPORT OF PADDLE FANS SHALL BE LISTED FOR THE PURPOSE. 36. NEW RECEPTICLES INSTALLED IN DWELLING UNITS SHALL BE
- LISTED TAMPER RESISTANT 37. A MINIMUM OF 75% OF PERMANENTLY INSTALLED LUMINRIES SHALL BE HIGH EFFICIENCY
- 38. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF DRAWINGS TO INDICATE ALL CHANGES MADE TO THE ELECTRICAL DESIGN. THE AS-BUILT DRAWINGS SHALL BE DELIVERED TO THE
- OWNER AFTER COMPLETION OF THE WORK. 39. ALL SMOKE DETECTORS SHALL BE WIRED IN TANDEM. SMOKE DETECTORS WITHIN 20' OF COOKING APPLIANCES SHALL BE

SILENCEABLE.

ELECTRICAL LEGEND

WALL SWITCH **BAR LIGHT** (60" FROM T.O.F.F. TO CENTER) 3-WAY WALL SWITCH FLUORESCENT STRIP 4-WAY WALL SWITCH FLUORESCENT FIXTURE DIMMER WALL SWITCH WALL MOUNT SCONCE LIGHT RECESSED CAN (STANDARD 18" FROM T.O.F.F. TO CENTER) DUPLEX OUTLET - HALF SWITCHED DIRECTIONAL RECESSED CAN SINGLE OUTLET - FLOOR MOUNT RECESSED CAN/EXHAUST COMBO DUPLEX OUTLET - CEILING MOUNT SPOT LIGHT/FLOOD LIGHT

EILING FAN W/ LIGHT (U.N.O.) DUPLEX W/ MOUNTING HT ABV F.F.

EXHAUST FAN FOOD DISPOSAL SMOKE DETECTOR CARBON MONOXIDE ALARM

ELECTRICAL PANEL THERMOSTAT GAS VALVE

ELECTRIC PUSH BUTTON FOR CHIMES DOOR CHHIMES

DESIGNATES CIRCUIT # 220 CIRCUIT

AHU DISCONNECT

GFI = GROUND FAULT INTERRUPT WP = WATERPROOF / WEATHERPROOF ALL EXTERIOR OUTLETS SHALL BE GFI, WEATHER PROOF,

O O TRACK LIGHTING

RANGE - OVEN IS 220 @ 8" A.F.F. COOK TOP IS 220 @ 36" A.F.F. DOUBLE OVEN IS 220 @ 70" A.F.F.

AR = ARC-FAULT PROTECTED

AND TAMPER PROOF

220

DATA

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220 VOLT OUTLET

TV OUTLET

PHONE OUTLET

DATA OUTLET

USB PORT

PENDANT LIGHT

CEILING FIXTURE

WALL MOUNT FIXTURE

HOME OFFICE PORT (2 RG6-2 CAT5)

MEDIA OUTLET (1 RG6-1 CAT5)

DECORATIVE CEILING FIXTURE

- RE: Smoke Detectors Provide smoke detection per 2018 IRC section R314.2. Smoke detection systems. All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.
- Smoke alarms shall be installed in the following locations: 1. Inside each sleeping room.
- 2. Outside each separate sleeping area in the immediate vicinity of the

3. On each additional story of the dwelling, including basements and habitable attics but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story

• When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

MAIN HOUSE UNIT ELECTRICAL LOAD CALCULATIONS

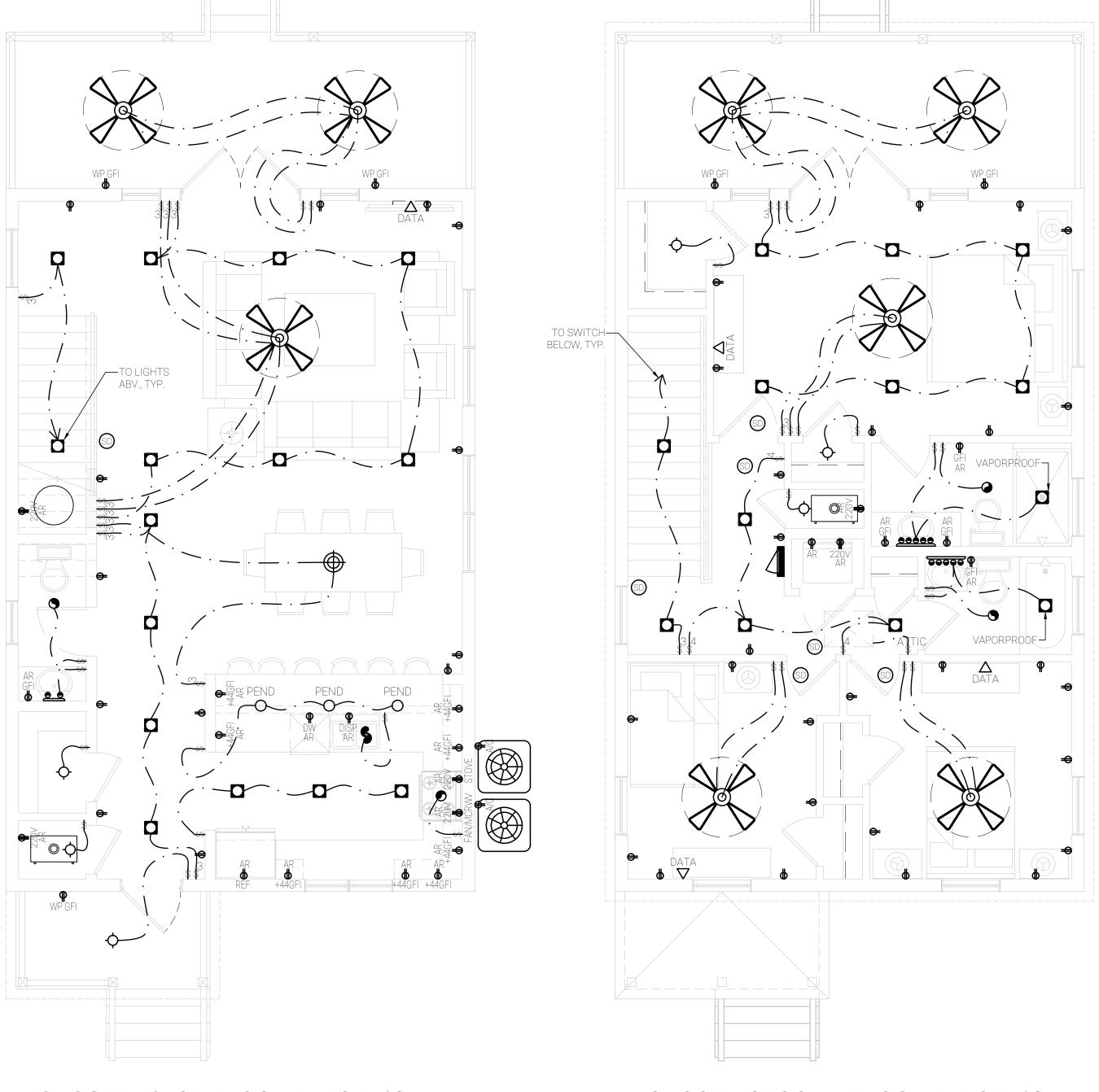
(BASED UPON N.E.C. ARTICLE 220) UNIT SQUARE FOOTAGE HEAT STRIP GREATER THAN CONDENSING UNIT

ADDITION/REMODEL AREA	SERVICE REQUIREMEN	11S	
EQUIPMENT SERVED	BREAKER SIZE	CONDUCT OR SIZE	LOAD IN WATTS
REFRIGERATOR	20A/1P	#12	830
DUAL FUEL RANGE	40A/1P	#8	8,000
DISHWASHER 1	20A/1P	#12	1,200
WATER HEATER	40A/2P	#8	8,000
DRYER	30A/2P	#10	5,600
WASHER	20A/1P	#12	1,600
GARBAGE DISPOSAL	20A/1P	#12	900
EXHAUST HOOD	20A/1P	#12	1,000
MICROWAVE	20A/1P	#12	1,000
APPLIANCE CIRCUITS			
(3 @ 1500 WATTS EACH)	20A/1P	#8	4,500
GENERAL LIGHTING & RECEPTACLES			
(3 WATTS PER SQUARE FOOT)	15A/1P	#14	5,184
OUTDOOR LIGHTING & RECEPTACLES			
(1 WATT PER SQUARE FOOT)	15A/1P	#14	423
SUBTOTAL			38,237
AIR CONDITIONING REQUIREMENTS			
BLOWER MOTOR LOAD			600
HEATING LOAD (8,000 WATTS X .65)			5,200
AIR CONDITIONING SUBTOTAL			5,800
CALCULATION PER N.E.C. 220-30			
FIRST 10,000 WATTS @ 100%			10,000
REMAINDER OF WATTS @ 40%			11,295
AIR CONDITIONING LOAD SUBTOTAL			5,800
TOTAL UNIT LOAD			27,095

ACCESSORY UNIT

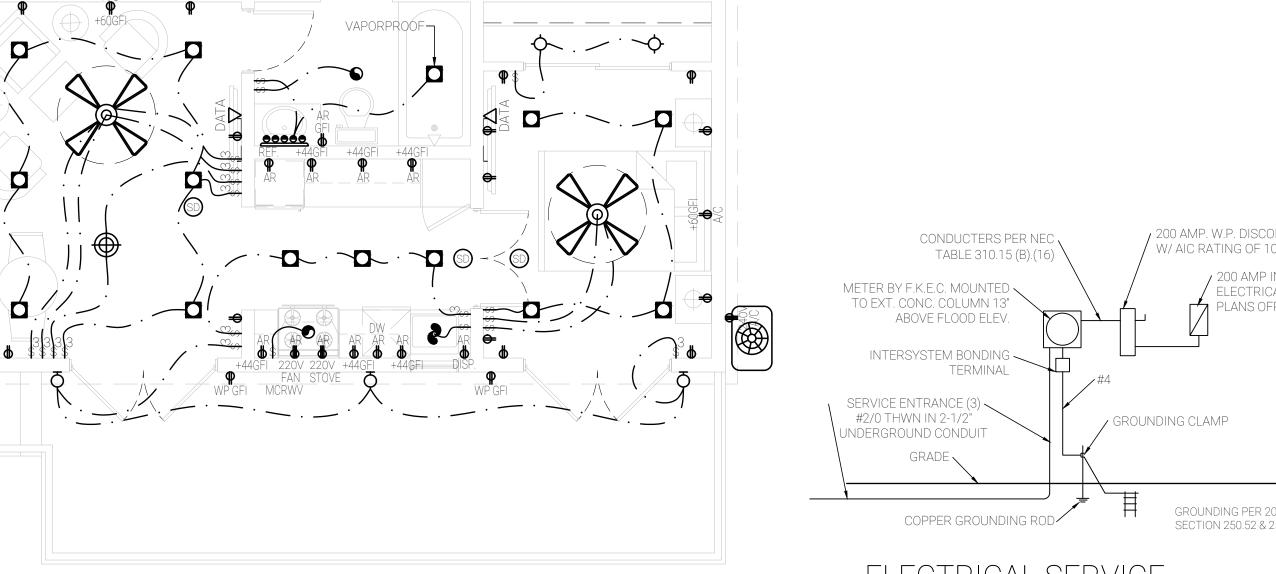
UNIT ELECTRICAL LOAD CALCULATIONS (BASED UPON N.E.C. ARTICLE 220) UNIT SQUARE FOOTAGE HEAT STRIP GREATER THAN CONDENSING UNIT ADDITION/REMODEL AREA SERVICE REQUIREMENTS

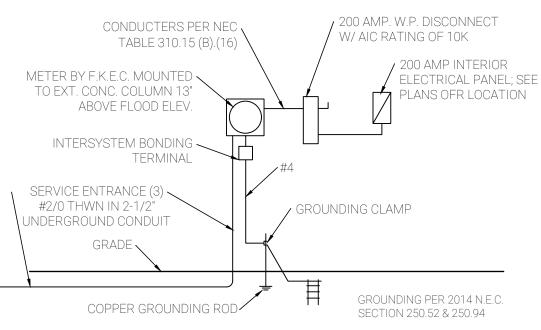
ADDITION/REMODEL AREA SER'	VICE REQUIREIVIEN			
EQUIPMENT SERVED	BREAKER SIZE	CONDUCT OR SIZE	LOAD IN WATTS	
REFRIGERATOR	20A/1P	#12	830	
DUAL FUEL RANGE	40A/1P	#8	8,000	
DISHWASHER	20A/1P	#12	1,200	
WATER HEATER (UNDER SINK ON-DEMAND)	50A/1P	#8	28,000	
GARBAGE DISPOSAL	20A/1P	#12	900	
EXHAUST HOOD	20A/1P	#12	1,000	
MICROWAVE	20A/1P	#12	1,000	
APPLIANCE CIRCUITS				
(2 @ 1500 WATTS EACH)	20A/1P	#8	3,000	
GENERAL LIGHTING & RECEPTACLES				
(3 WATTS PER SQUARE FOOT)	15A/1P	#14	1,536	
OUTDOOR LIGHTING & RECEPTACLES				
(1 WATT PER SQUARE FOOT)	15A/1P	#14	245	
SUBTOTAL		•	45,711	
AIR CONDITIONING REQUIREMENTS (MINI-SPL	IT)			
BLOWER MOTOR LOAD			2,400	
HEATING LOAD			2,300	
AIR CONDITIONING SUBTOTAL			4,700	
CALCULATION PER N.E.C. 220-30				
FIRST 10,000 WATTS @ 100%			10,000	
REMAINDER OF WATTS @ 40%				
AIR CONDITIONING LOAD SUBTOTAL				
TOTAL UNIT LOAD				
44,476 WATTS/240 VOLTS = 185 AMPS				



PROPOSED FIRST FLOOR ELECTRICAL PLAN

PROPOSED SECOND FLOOR ELECTRICAL PLAN





RUCTION

59 31437

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PLANS ARE NOT VALID UNLESS SIGNED AND DATED

PROJECT #: Date:

OCTOBER 26, 2020

SHEET 7 of 14 SHEET #

MECHANICAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 MECHANICAL CODE, FLORIDA ENERGY EFFICIENCY CODE AND ALL LOCAL ORDINANCES.

2. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, PERMITS, FEES AND INSPECTIONS NECESSARY TO PROVIDE THE WORK COMPLETE AND READY FOR USE.

3. CONTRACTOR SHALL VERIFY SPACE CONDITIONS AND DIMENSIONS AND SHALL COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO FABRICATING DUCTWORK OR INSTALLING EQUIPMENT OR PIPING.

4. PRIMARY DUCTWORK SHALL BE CONSTRUCTION OF ONE AND HALF-INCH THICK (R-6 MINIMUM) FIBERGLASS DUCTBOARD WITH REINFORCED ALUMINUM FOIL FACED COVERING FABRICATED AND INSTALLED PER SMACNA RECOMMENDATIONS.

5. ALL VENTILATION AND EXHAUST DUCTWORK SHALL BE OF

GALVANIZED SHEET METAL CONSTRUCTION PER SMACNA
RECOMMENDATIONS.
6. REFRIGERANT PIPING SHALL BE TYPE "L" COPPER TUBING SIZED AND
INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. INSULATED
SUCTION AND CONDENSATE PIPING WITH 1/4" THICK FOAM PLASTIC
OF FIRE RETARDANT TYPE 25/30 MAXIMUM SMOKE DEVELOPED AND

FLAME SPREAD RATING RESPECTIVELY PER TESTS IN MFPA-255.
FINISH WHERE EXPOSED WITH TWO COATS OF ACRYLIC LACQUER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
7. ALL EQUIPMENT, MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. COMPRESSORS SHALL CARRY A FIVE-YEAR FACTORY GUARANTEE.

8. AIR CONDITION SYSTEM SHALL BE BALANCED TO OBTAIN COMFORT CONDITIONS IN ALL AREAS WITHOUT DRAFTING
9. THERMOSTATS SHALL BE HEAT/COOL TYPE WITH FAN AND SYSTEM SELECTOR SWITCH ON SUB BASE. MOUNT FIVE FEET ABOVE FINISHED FLOOR WHERE SHOWN.

10. ALL DUCT ELBOWS GREATER THAN FORTY FIVE (45) DEGREES SHALL BE FITTED WITH TURNING VANES.
11. PROVIDE READY ACCESSIBILITY TO DAMPERS AND OTHER PARTS OF THE SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.

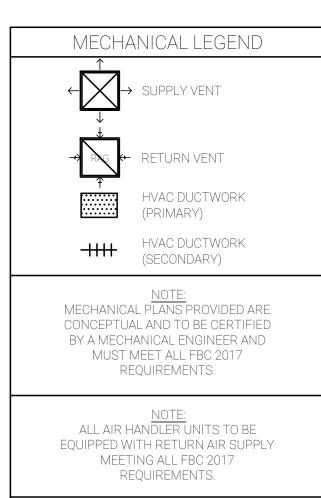
12. VERIFY ALL VOLTAGES WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
13. VIBRATION ISOLATION SHALL BE PROVIDED FOR ALL EQUIPMENT

PER MANUFACTURER'S RECOMMENDATIONS.

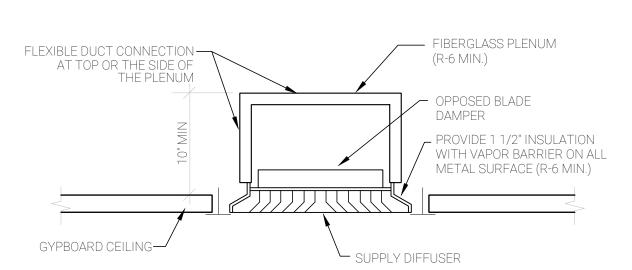
14. ALL OUTSIDE EQUIPMENT SHALL BE SECURED TO WITHSTAND FORCES GENERATED BY 150 MPH WINDS.

15. FLEXIBLE DUCT SHALL BE FACTORY FABRICATED ROUND DUCTWORK COMPOSED OF CORROSION-RESISTANT REINFORCING WITH HELIX PERMANENTLY BONDED AND ENCLOSED IN POLYESTER FILM THEN COVERED WITH 1-1/2 INCH THICK 1/4 PCF (R-6 MINIMUM) DENSITY FIBERGLASS INSULATION BLANKET SHEATHED IN A VAPOR BARRIER OF ALUMINUM METALIZED POLYESTER FILM LAMINATED TO GLASS MESH, ELASTOMER BACK COATED. THE DUCT SHALL COMPLY WITH MFPA BULLETIN 90-A AND BE LISTED A CLASS 1 AIR DUCT. UL 181 DUCT SHALL BE "WIRE HOLD" TYPE WG OR EQUAL.

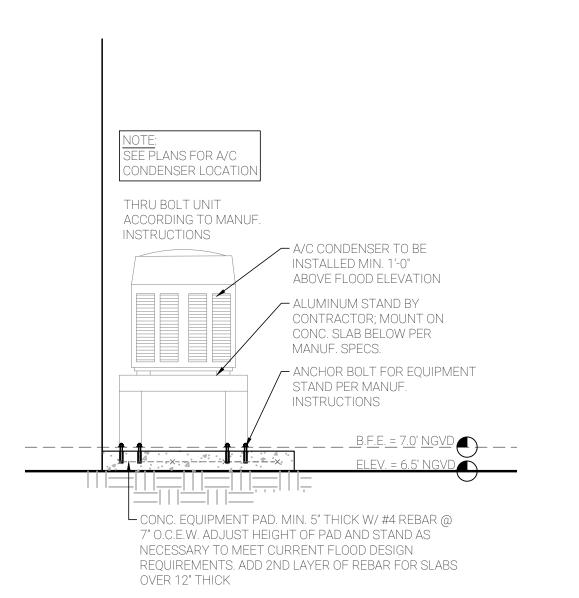
MECHANICAL NOTE:
CONTRACTOR TO VERIFY PLAN CONFIGURATIONS..
FOLLOW ALL APPLICABLE CODES, INCLUDING THE FLORIDA MECHANICAL CODES.



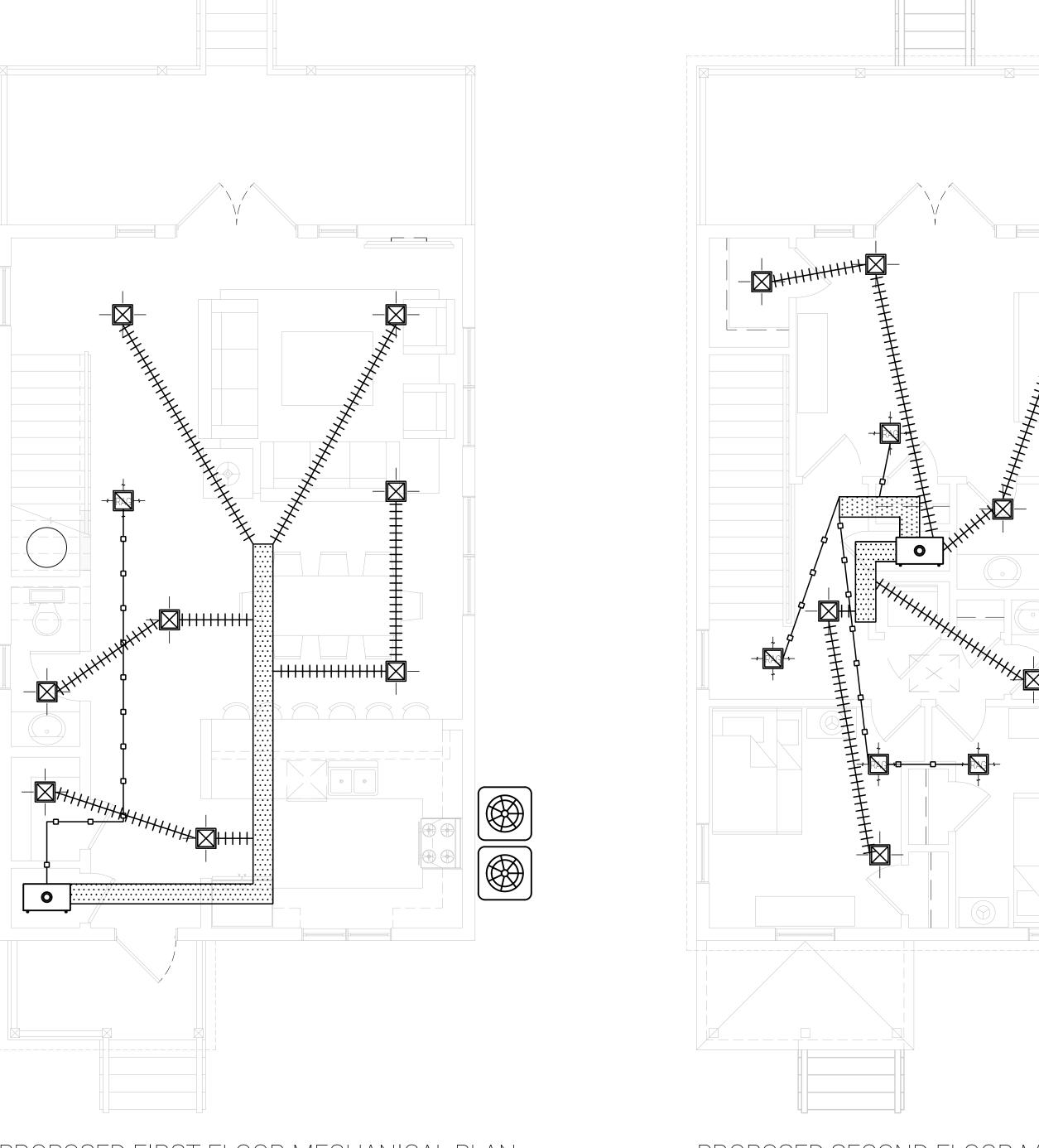




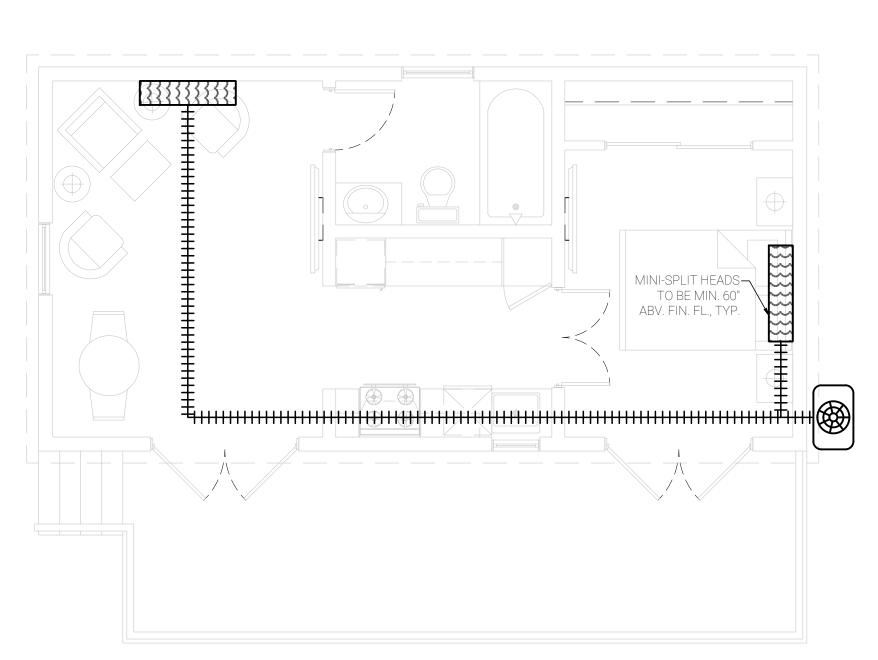
DIFFUSER DETAIL



AC STAND DETAIL



PROPOSED FIRST FLOOR MECHANICAL PLAN



ACCESSORY UNIT MECHANICAL PLAN



CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

59 31437

PROJECT #:

PLANS ARE NOT

VALID UNLESS

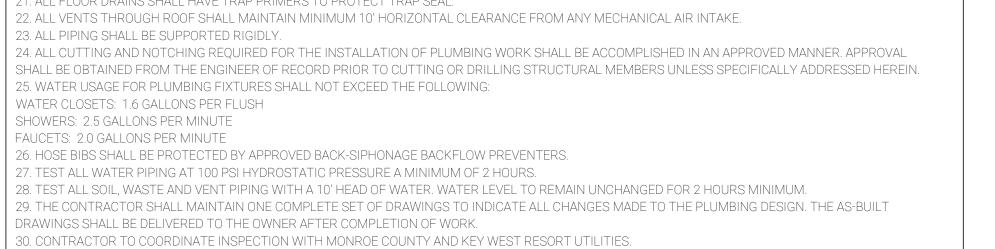
SIGNED AND DATED

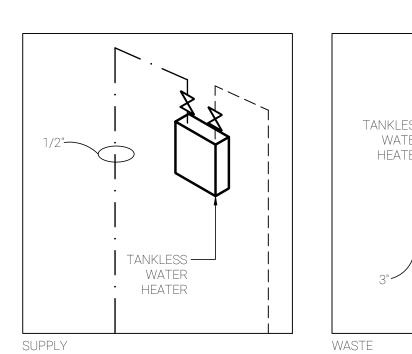
1838 Date:

OCTOBER 26, 2020

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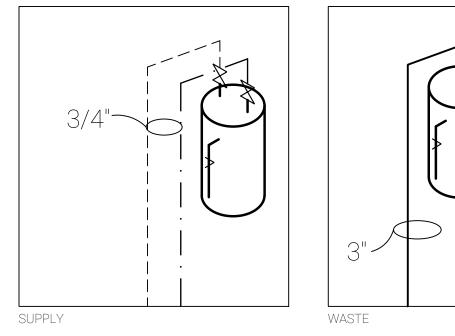
PLUMBING NOTES: 1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND SUPERVISION NECESSARY TO PROVIDE THE WORK COMPLETE AND READY FOR USE. THE NEW WORK SHALL INCLUDE COMPLETE HOT AND COLD WATER SYSTEMS AND VENT, WASTE AND DRAIN SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES. 2. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2017 PLUMBING CODE. THE ENERGY CONSERVATION CODE AND ALL APPLICABLE LOCAL ORDINANCES. 3. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. 4. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR. 5. PLUMBING DRAWINGS (PLANS, DIAGRAMS, ETC.) ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE DRAWINGS DO NOT SHOW EVERY BEND, OFFSET, ELBOW AND OTHER FITTINGS WHICH MAY BE REQUIRED FOR PROPER INSTALLATION IN THE SPACE ALLOCATED NOR AS REQUIRED TO COORDINATE WORK WITH THAT OF OTHER TRADES. ANY WORK NOT SHOWN ON THE DRAWINGS BUT CONSIDERED NECESSARY FOR THE PROPER COMPLETION OF THE WORK SHALL BE PROVIDED WITHOUT ADDITIONAL CHARGE TO THE OWNER. 6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER WORK UNDER THIS CONTRACT. 7. THE OWNER WILL NOT BE HELD LIABLE FOR ANY CHANGES THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER OR FIELD CHANGES THAT ARISE FROM CONTRACTOR ERROR OR OMISSION OF MATERIAL OR POOR WORKMANSHIP. 8. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING MAIN, WATER AND SEWER CONNECTIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY AND RECEIVE CLEARANCE FROM THE APPROPRIATE UTILITY COMPANIES PRIOR TO EXCAVATING. 9. VERIFY ALL DIMENSIONS AND CLEARANCES AT THE SITE AND IN THE BUILDING PRIOR TO FABRICATION AND INSTALLATION. 10. THE CONTRACTOR SHALL SATISFACTORILY REPAIR AND/OR REPLACE EXISTING WORK, FEATURES AND EQUIPMENT DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHES SHALL BE RESTORED TO MATCH ADJACENT SURFACES AND FINISHES. 11. THE CONTRACTOR SHALL INSPECT EXISTING CONDITIONS PRIOR TO BID AND BECOME FAMILIAR WITH THE SCOPE OF WORK. NO EXTRAS WILL BE ALLOWED FOR THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT. 12. PLUMBING FIXTURES SHALL BE SELECTED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. (PLUMBING FIXTURES INDICATED ON DRAWING ARE FOR REFERENCE ONLY, FIXTURES OR EQUAL QUALITY, AND CRAFTSMANSHIP MAY BE USED AS DIRECTED). 13. ALL FIXTURES SHALL BE PROTECTED FROM WATER HAMMER WITH AIR CHAMBER SIZED IN ACCORDANCE WITH P.D.I. STANDARDS. (JOSAN OR EQUAL) 14. PROVIDE CONTROL VALVES TO ALL RISERS, BRANCHES, GROUPS OF FIXTURES AND EACH PIECE OF EQUIPMENT. CONTROL VALVES SHALL BE CAST BRASS OR BRONZE GATE VALVES. 15. PROVIDE FULLY ACCESSIBLE CLEANOUTS ON SANITARY PIPING AT THE BASE OF EACH SOIL AND WASTE PIPE AND AT EVERY CHANGE OF DIRECTION. 16. PROVIDE MINIMUM PITCH OF ½" PER FOOT FOR ALL HORIZONTAL BRANCHES AND SEWER TRADES. 17. ALL WATER PIPING SHALL BE TYPE M COPPER WITH WROUGHT COPPER SOLDERED JOINT FITTINGS. 18. PROVIDE DIELECTRIC FITTINGS FOR JOINING DISSIMILAR METALS. 19. SANITARY DRAIN PIPING WITHIN THE BUILDING AND BELOW THE GROUND SHALL BE SCHEDULE 40 PVC. 20. WATER HEATER SHALL BEAR LABEL INDICATING COMPLIANCE WITH ASHRAE STD. 90. WATER HEATER SHALL BE EQUIPPED WITH A DRAIN PAN WITH 2" MIN. SIDES AND 2" CLEARANCE ON ALL SIDES. PROVIDE 3/4" DRAIN OUTLET LOCATED 3/2" ABOVE BOTTOM OF PAN. P&T RELIEF VALVE AND DRAIN PAN PIPING SHALL BE TYPE M COPPER. 21. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS TO PROTECT TRAP SEAL. 22. ALL VENTS THROUGH ROOF SHALL MAINTAIN MINIMUM 10' HORIZONTAL CLEARANCE FROM ANY MECHANICAL AIR INTAKE. 23. ALL PIPING SHALL BE SUPPORTED RIGIDLY. 24. ALL CUTTING AND NOTCHING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK SHALL BE ACCOMPLISHED IN AN APPROVED MANNER. APPROVAL



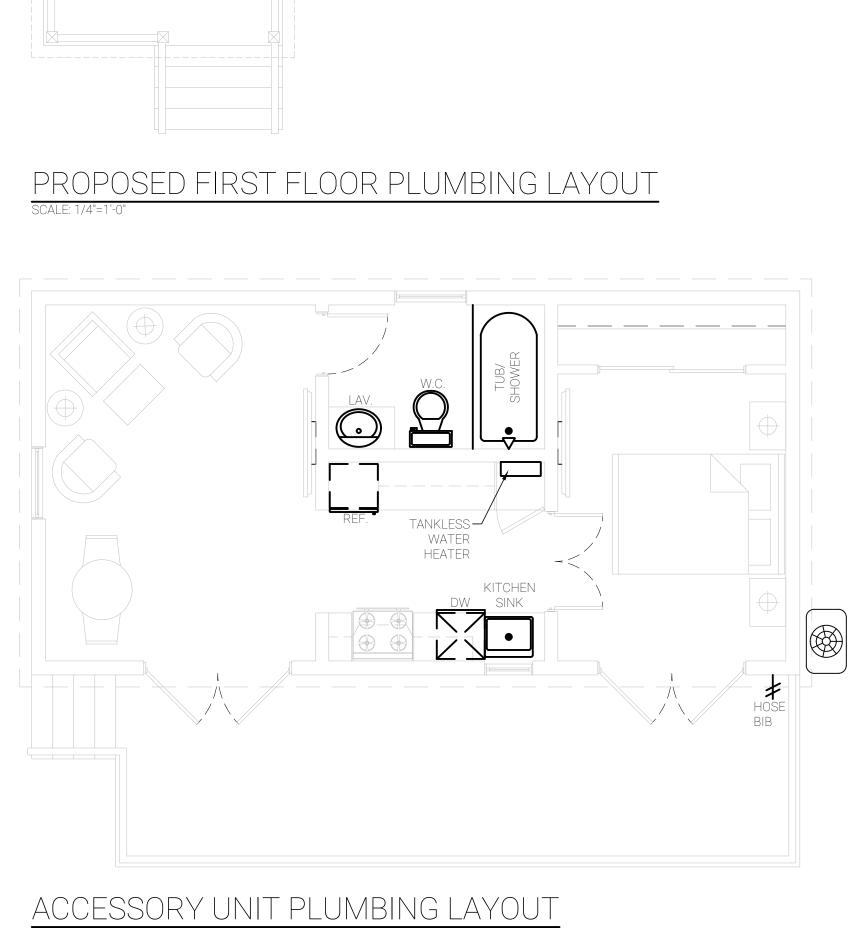


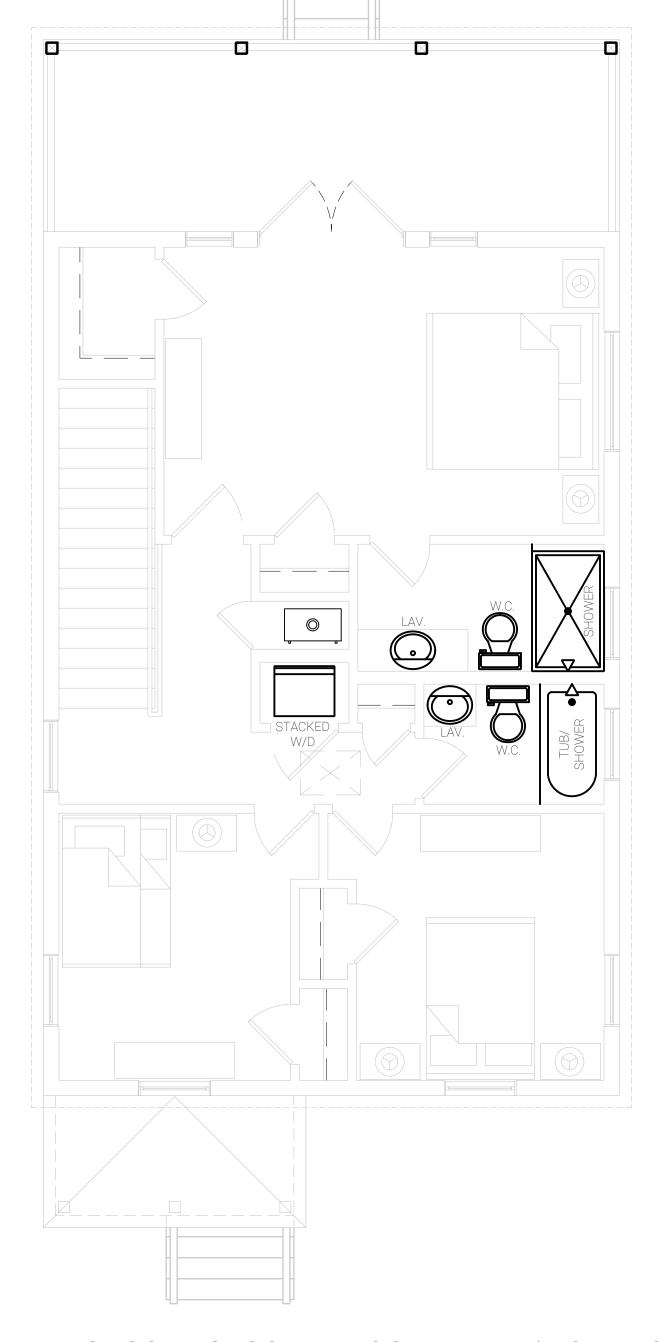
TYP. WATER HEATER RISER DIAGRAM

TANKLESS —

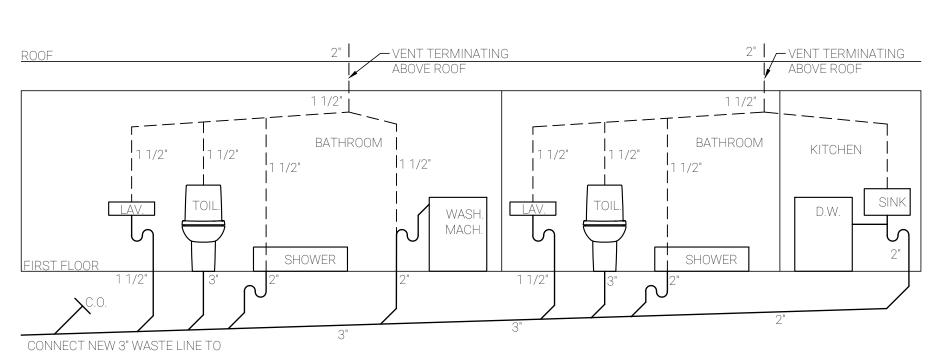








PROPOSED SECOND FLOOR PLUMBING LAYOUT



NOT REPRESENTATIVE OF ACTUAL FIXTIRE LOCATIONS

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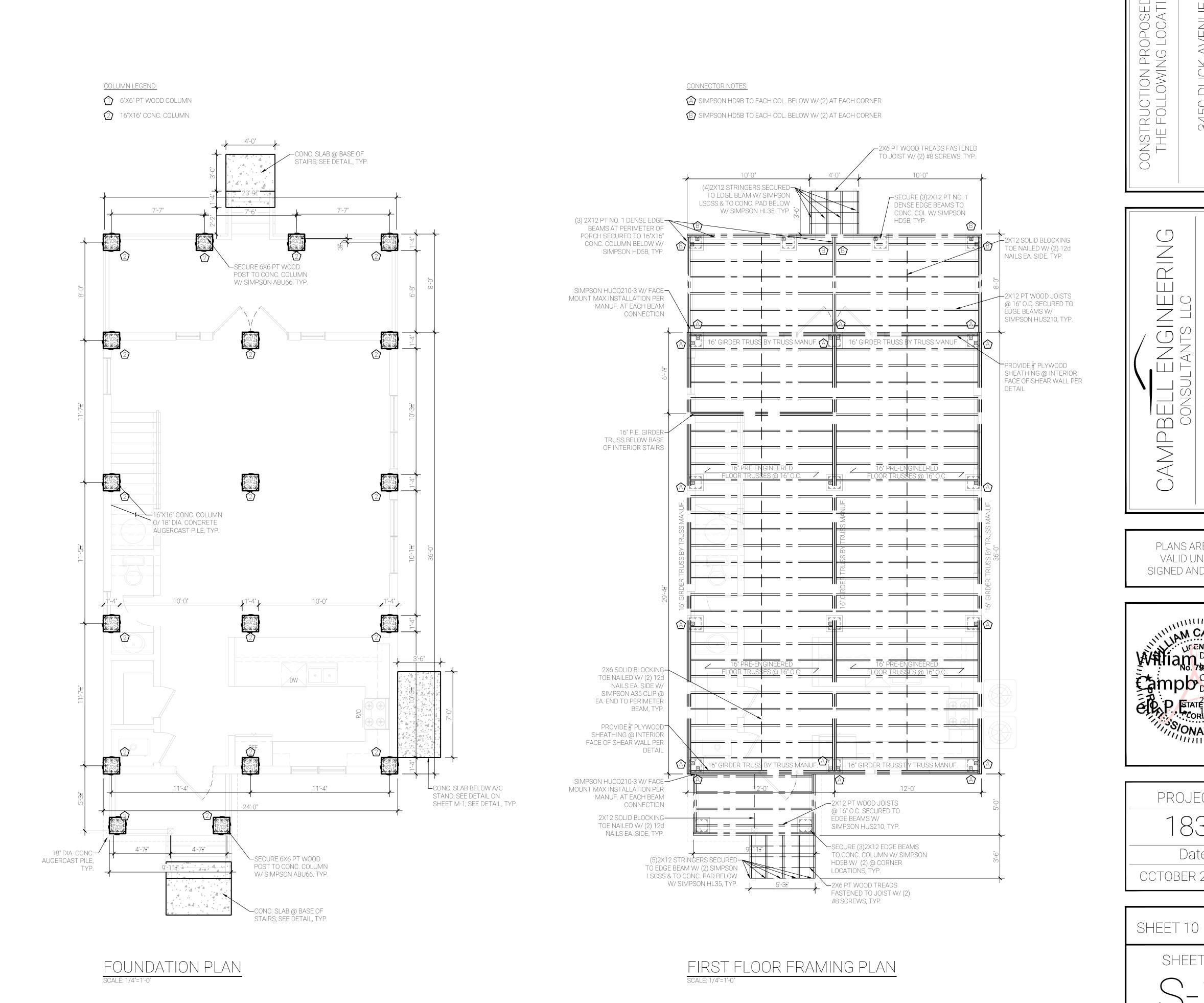
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CONSTRUCTION F THE FOLLOWIN

PROJECT #: 1838 Date:

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(6) #6 VERTICAL / 16"X16" CONC.

16"X16" CONC. COLUMN

18" AUGERCAST PILE

COLUMN W/ MIN. 4000 PSI CONCRETE

−#3 HOOPS @ 8" O.C.

18" DIA CONCRETE

AUGERCAST PILE W/ (6) #6 VERTICAL BARS

 TIES @ 10" O.C.

ROCK. CLEAN HOLES

5,000 PSI CONCRETE

7' MIN. INTO CAP

BEFORE PLACING

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

3450 DUCK AVENUE KEY WEST, FLORIDA License #: 79269 CA/Registry #: 31437

William R. Car Email: will@ce Phone #: 305-7

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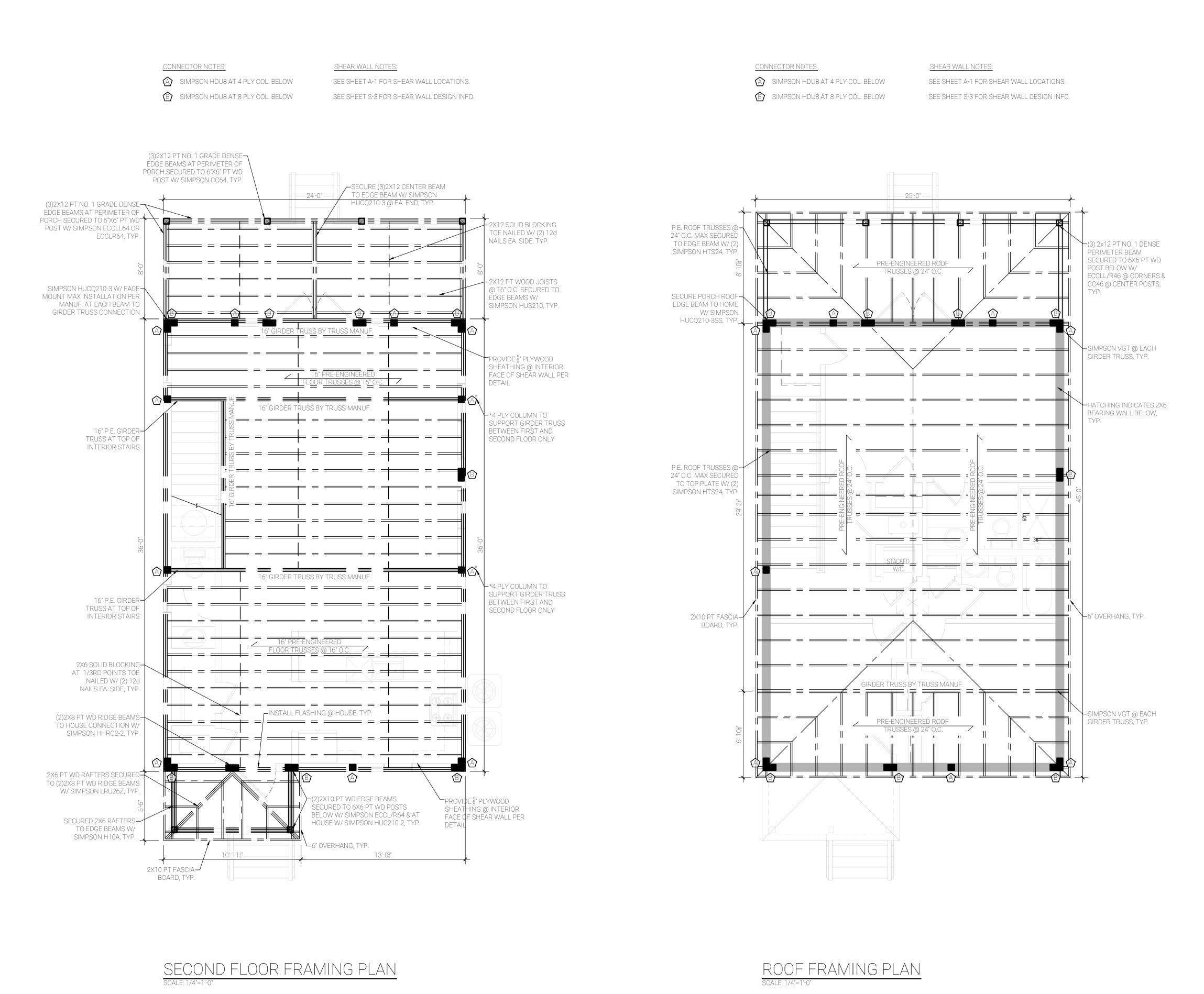


PROJECT #: 1838

Date:

OCTOBER 26, 2020

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CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

(AVENUE FLORIDA 3450 DUCK A

: 31437

License #: 7926 CA/Registry #: 3 CAMPBELL ENGINEER
CONSULTANTS LLC
William R. Campbell, P.E. License #: 79
Email: will@cecflk.com CA/Registry: Phone #: 305-735-4626

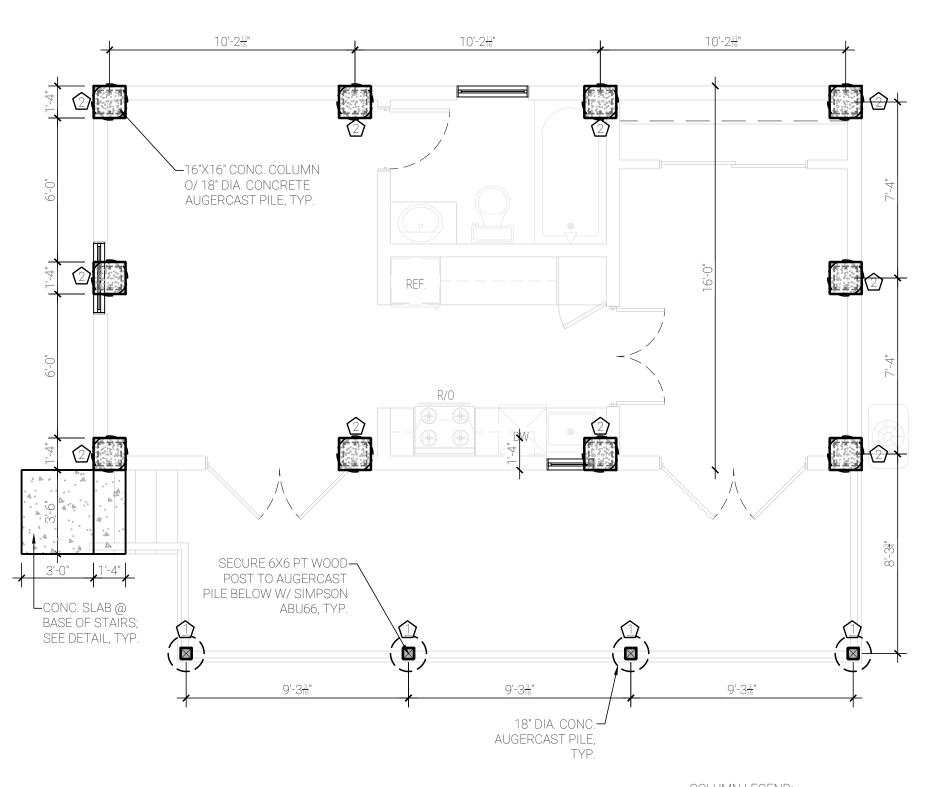
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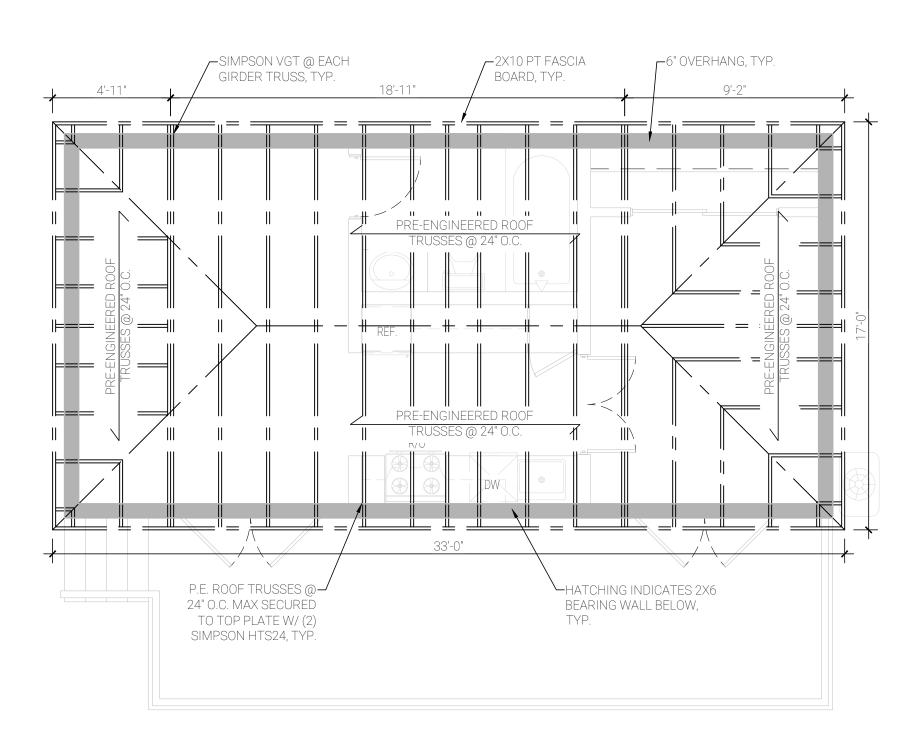
1838 Date:

OCTOBER 26, 2020

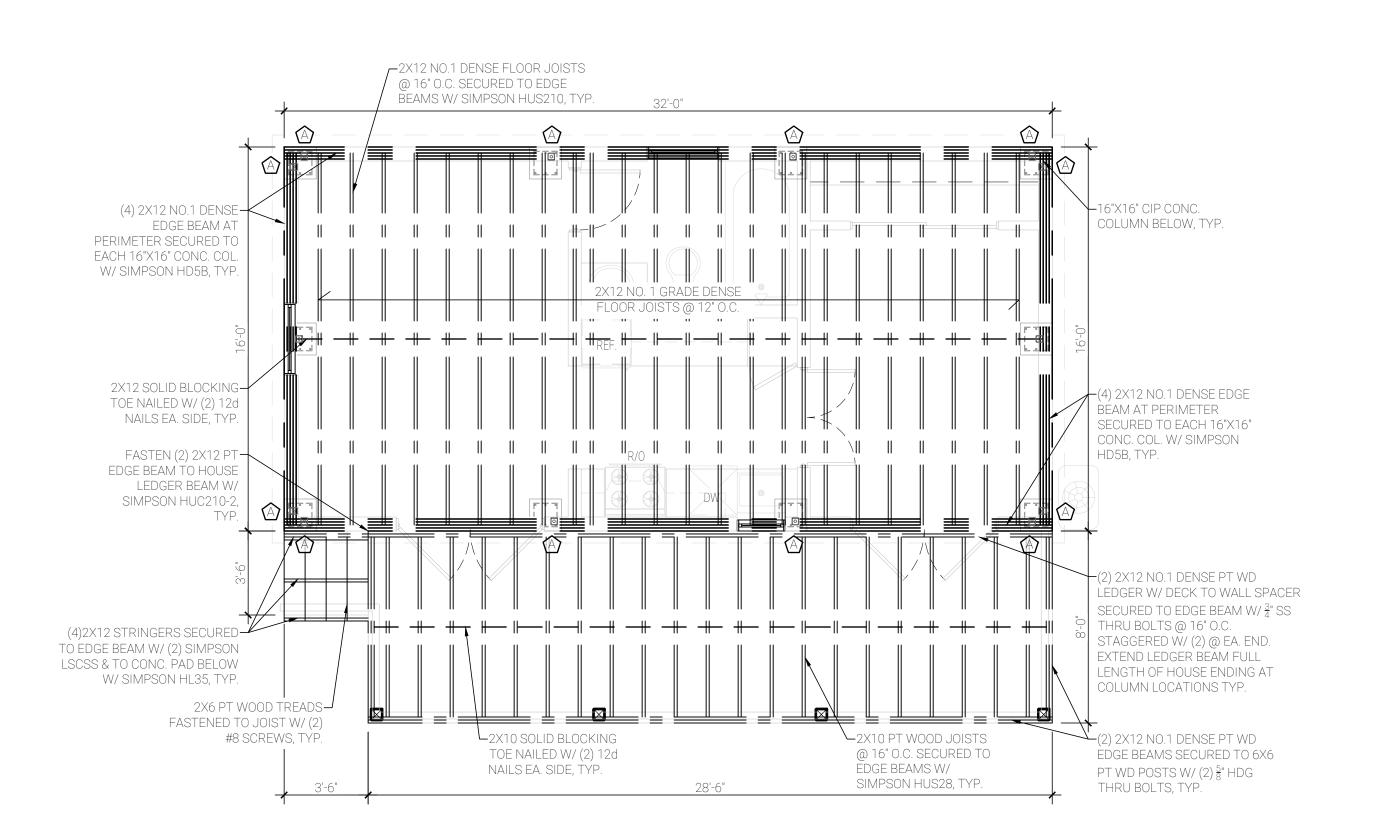
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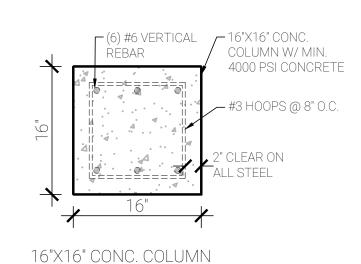
COLUMN LEGEND: 6"X6" PT WOOD COLUMN (2) 16"X16" CONC. COLUMN

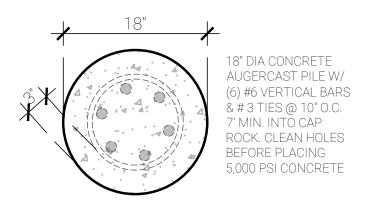


ACCESSORY UNIT FLOOR PLAN



CONNECTOR NOTES: SIMPSON HD9B TO EACH COL. BELOW W/ (2) AT EACH CORNER





18" AUGERCAST PILE

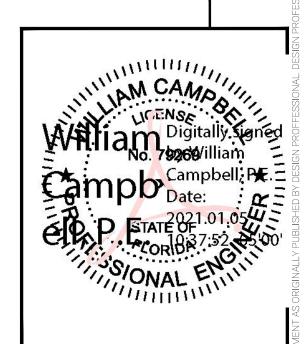
CAMPBELL ENGINEERING
CONSULTANTS LLC
William R. Campbell, P.E. License #: 79269
Email: will@cecflk.com CA/Registry #: 31437
Phone #: 305-735-4626

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

3450 DUCK AVENUE KEY WEST, FLORIDA

License #: 79269 CA/Registry #: 31437

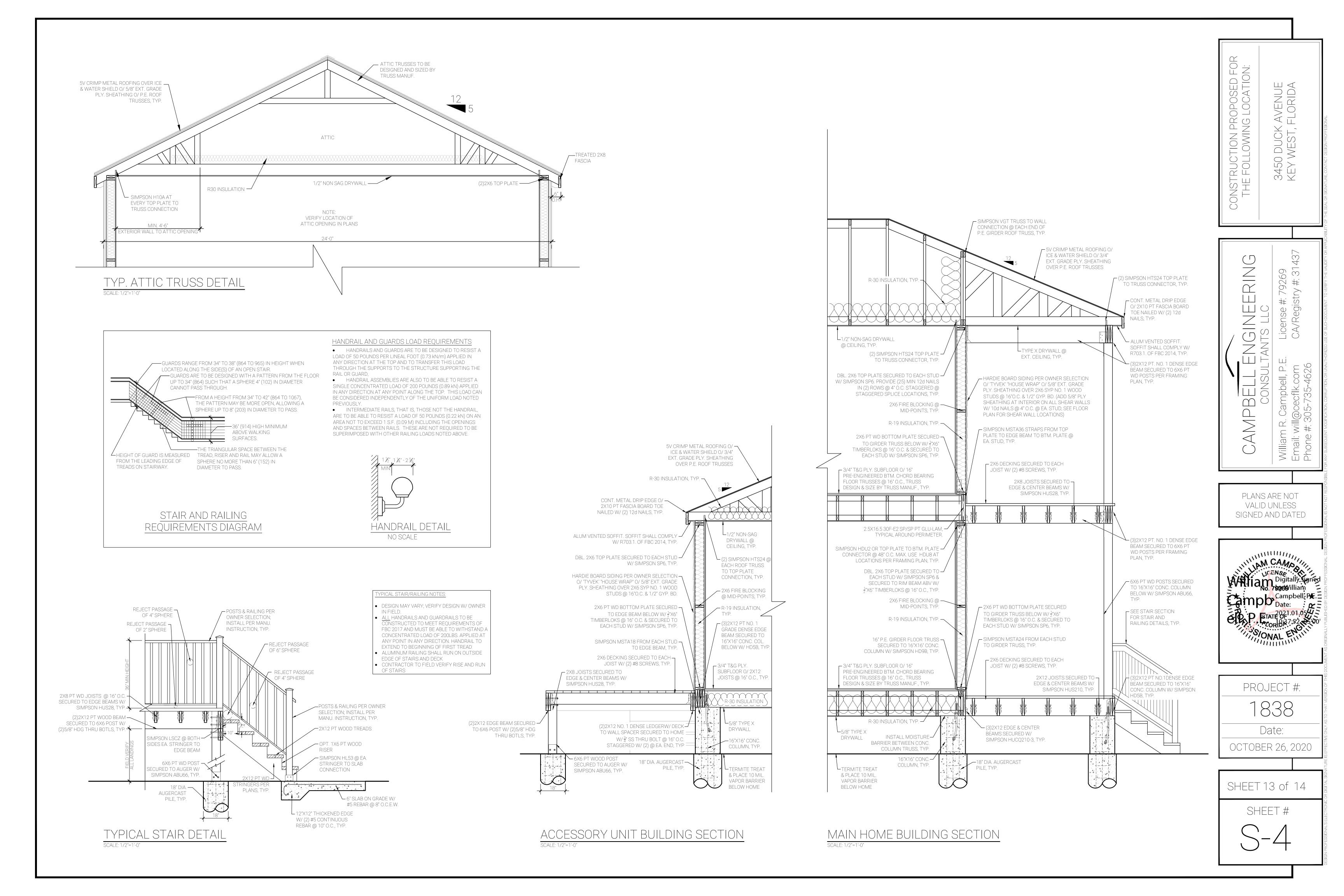
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PROJECT #:

Date: OCTOBER 26, 2020

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PER FBC 2017 - CH. 28, 30

WIND SPEED 180 MPH CATAGORY/EXPOSURE: II/D MEAN ROOF HEIGHT: 26'-1" ROOF ANGLE: 22.62 DEG.

WIND PRESSURES (PSF)

(PER FBC MULTIPLY BY 0.6 FOR APPLIED LOADS) NOMINAL ROOF ZONES: ZONE 1: +55.8/-88.5 ZONE 1: +33.2/-52.9 ZONE 2: +55.8/-154.2 ZONE 2: +33.2/-92.0 ZONE 3: +55.8/-227.9 ZONE 3: +33.2/-136.1

ASCE 7-10 WIND PER FBC 2017 - CH. 28, 30

WIND SPEED 180 MPH CATAGORY/EXPOSURE: II/D MEAN ROOF HEIGHT: 12'-10"

ROOF ANGLE: 22.62 DEG. WIND PRESSURES (PSF) (PER FBC MULTIPLY BY 0.6 FOR APPLIED LOADS)

NOMINAL ROOF ZONES: ZONE 1: +68.6/-102.6 ZONE 1: +41.2/-61.5 ZONE 2: +68.6/-203.0 ZONE 2: +41.2/-121.8 ZONE 3: +41.2/-121.8 ZONE 3: +68.6/-203.0

ASCE 7-10 WIND LOAD DATA PER FBC 2017 - CH. 28, 30

WIND SPEED 180 MPH CATAGORY/EXPOSURE: II/D MEAN ROOF HEIGHT: 13'-9" ROOF ANGLE: 22.62 DEG. WIND PRESSURES (PSF) (PER FBC MULTIPLY BY 0.6 FOR APPLIED LOADS)

NOMINAL ROOF ZONES: ZONE 1: +49.4/-78.4 ZONE 1: +29.4/-46.8 ZONE 2: +49.4/-136.6 ZONE 2: +29.4/-81.5 ZONE 3: +49.4/-201.8 ZONE 3: +29.4/-120.5

Roofs - Zone 1 / Walls - Zone 4

Roofs - Zone 2 / Walls - Zone 5

Corner Zones Roofs - Zone 3







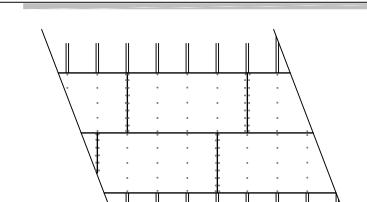




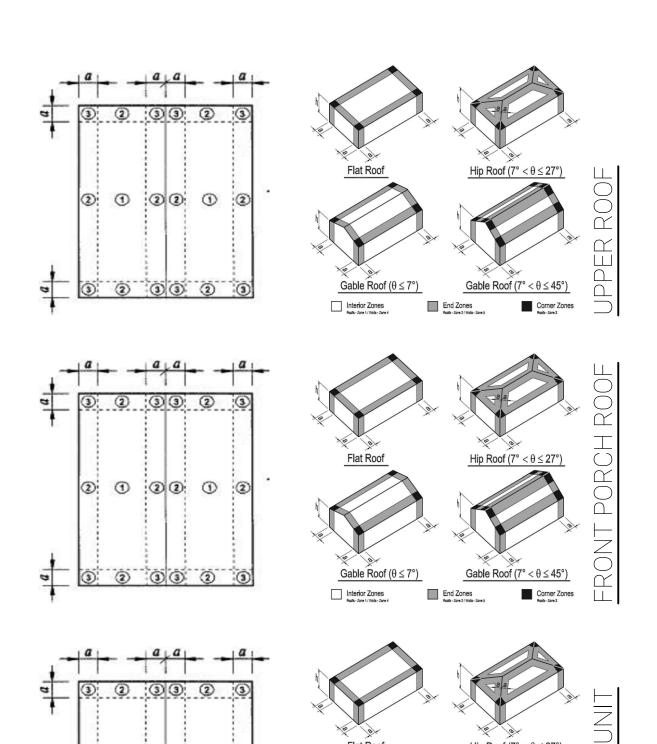


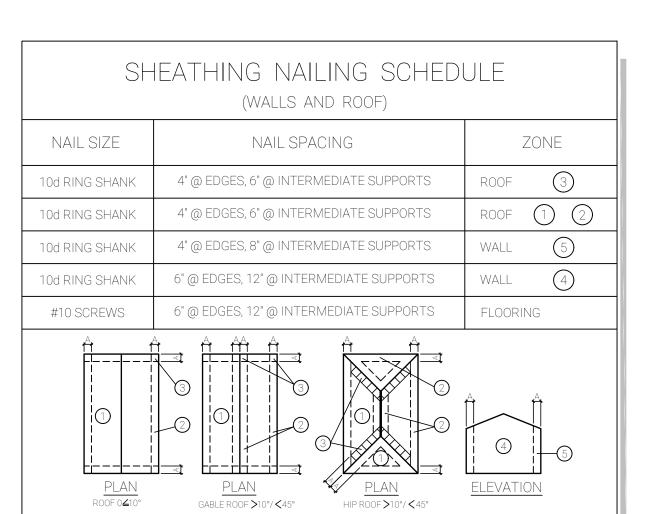
ROOF CONSTRUCTION NOTES

- 1. PROVIDE ATTIC VENTS AS SPECIFIED IN WALL SECTIONS.
- 2. TIE ROOF TRUSSES TO INTERIOR PARTITIONS WITH METAL CLIPS, TIES OR STRAPS AS SPECIFIED IN STRAPPING SCHEDULE.
- 3. PROVIDE ALL REQUIRED TRUSS BRACING AS SPECIFIED ON ENGINEERED TRUSS PLAN.
- 4. PRE-FAB, PRE-ENGINEERED ROOF TRUSSES ARE TO BE SPACED @ 2'-0", O.C.. 5. SBCCI APPROVED ANCHORS CAPABLE OF MEETING UPLIFT REQUIREMENTS AS
- PROVIDED BY THE TRUSS MANUFACTURER AT EACH TRUSS TO PROVIDE A CONTINUOUS TRANSFER OF UPLIFT LOADS FROM TRUSS TO FOUNDATION. 6. TRUSS MANUFACTURER TO SUBMIT PROFILES & PLANS, PRIOR TO FABRICATION,
- TO THE CONTRACTOR FOR APPROVAL. 7. ROOF PLAN FOR DESIGN PURPOSES ONLY.
- 8. ALL CONNECTORS IN CONTACT WITH PT. WOOD SHALL BE Z-MAX COATED OR EQUAL.
- 9. ALL TRUSSES TO TIEBEAM CONNECTIONS: SIMPSON (HETA-20) UP TO 1810 # UNLESS OTHERWISE NOTED.
- 10. ALTERNATE FASTENERS MAY BE USED PROVIDED THEY MEET UPLIFT AND LOAD REQUIREMENTS AND ARE NO LESS THAN THE VALUES LISTED ABOVE FOR UPLIFTS.
- 11. ATTACH ALL STRAPS WITH GALVANIZED NAILS OF SIZE AND QUANTITY SPECIFIED BY STRAP MANUFACTURER.
- 12. ALL HURRICANE RESISTANT TIE DOWNS STRAPPING AND ANCHORS SHALL HAVE A CONTINUOUS PATH FROM THE ROOF TO FOUNDATIONS. ALL STRAPPING AND ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- 13. ROOF TRUSSES SHALL BE HANDLED, STORED, ERECTED, TEMPORARILY BRACED & PERMANENTLY BRACED PER "BCSI1-03" GUIDE TO GOOD PRACTICES FOR HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES.
- 14. ADD SEALANT AT SEAMS FOR 5V CRIMP ROOF UNDER 3:12 PITCH. 15. INSTALL SHEATHING WITH 1/8" GAP AT ALL EDGES.

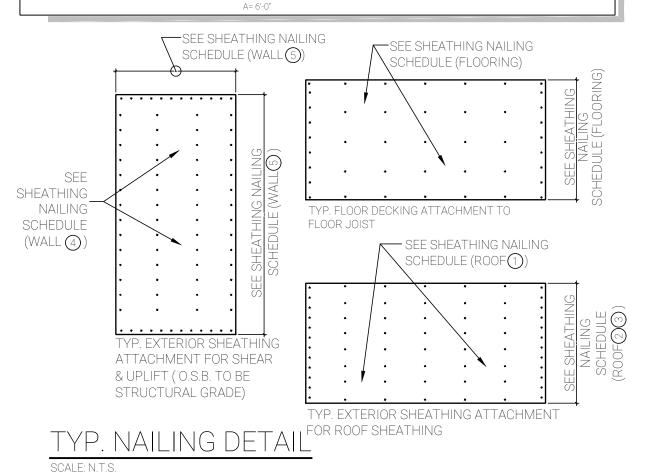


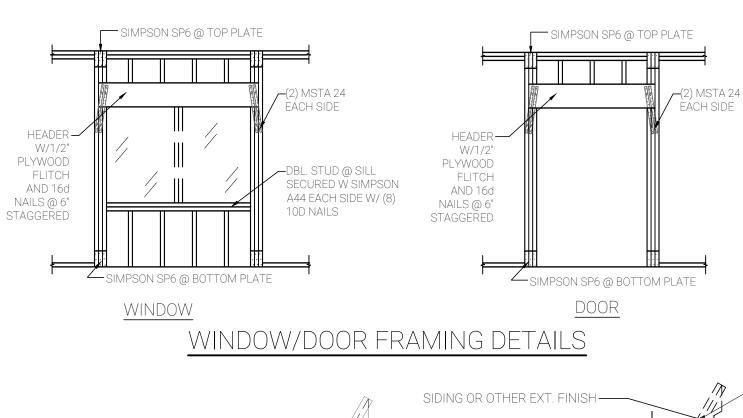
ROOF & WALL NAILING REQUIREMENTS SCALE = N.T.S.

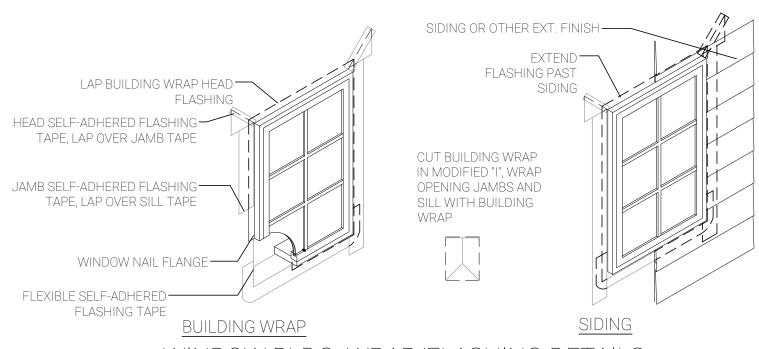


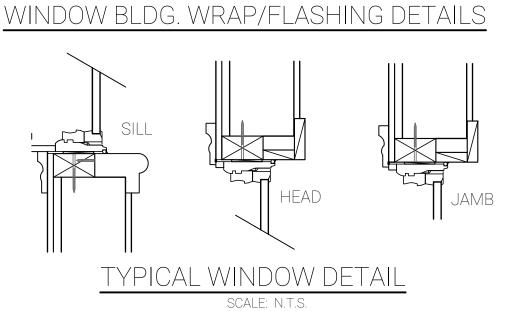


(2) (1) (2) (1) (2)









2x4 DOUBLE —

TOP PLATE

2x4 FIRE

INTERIOR

SCALE: 1/2"=1'-0"

BLOCKING

— CEILING LINE

— R-11 BATT INSULATION

(OPTIONAL)

@ 16"O.C.

____ 1/2" GWB ON

BOTH SIDES

∠ 2x4 BOTTOM

FLOOR LINE

PLATE

2x4 WALL DETAIL

— 2x4 WOOD STUDS

— CEILING LINE

(OPTIONAL)

16"O.C.

SIDES

- R-11 BATT INSULATION

— 2x6 WOOD STUDS @

— 1/2" GWB ON BOTH

∠ 2x6 BOTTOM PLATE

- FLOOR LINE

INTERIOR 2x6

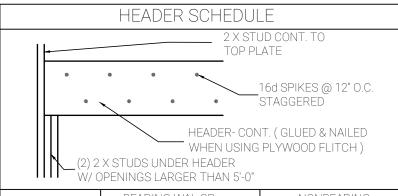
SCALE: 1/2"=1'-0"

2x6 DOUBLE 🚽 🛛 💢

TOP PLATE

2x6 FIRE—/

BLOCKING



OPENING WIDTH	BEARING WAL OR SHEAR WALL	NONBEARING WALLS
0'-0" TO 3'-0"	(2) - 2 X 6's	(2) - 2 X 4's
3'-1" TO 5'-0"	(2) - 2 X 10's	(2) - 2 X 6's
5'-1" TO 7'-0"	(2) - 2 X 12's	(2) - 2 X 8's
7'-1" TO 9'-0"	(2) - 2 X 12's W/ 1/2" PLYWOOD FLITCH	(2) - 2 X 12's

NOTED ON FRAMING PLAN

1.6E "E" MODULES OF ELASTICITY 3. JOISTS, RAFTERS, LINTELS, ETC. WHERE SIZED USING 1200 "Fb" EXTREME FIBER IN BENDING (SINGLE)

(1) PREPARATION OF WINDOW OPENING

-LINE THE OPENING WITH VAPOR BARRIER

-INSTALL PRESSURE TREATED WOOD BUCK TO PERIMETER OF OPENING USING NEW 3/16" X -APPLY A CONTINUOUS BEAD OF CAULKING TO SEAL WOOD BUCK TO FRAME

(2) INSTALLATION OF WINDOW

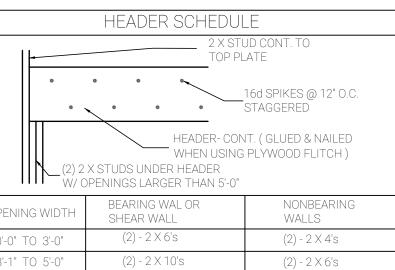
OPERATION -INSTALL #9 1-1/4" PAN HEAD WOOD SCREWS THRU ALL PREDRILLED HOLES IN THE

-ENSURE THAT THE INSTALLATION FIN IS SEALED TO THE WOOD BUCK WITH A CONTINUOUS

BOW WINDOW FRAME

-APPLY A CONTINUOUS BEAD OF URATHAENE SEALANT, REFER TO SEALANT MANUFACTURERS RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION

(4) INSTALLATION LIMITATIONS -WINDOW INSTALLATION TO MEET THE REQUIREMENTS OF THE WIND LOADS OF THE



HEADER NOTES:

1. USE HEADER SIZES ABOVE UNLESS OTHERWISE

2. PRIMARY FRAMING (BEAMS,GIRDERS, ETC.) WERE SIZED USING 1800 "Fb" EXTREME FIBER IN BENDING (SINGLE) 90 "Fv" HORIZONTAL SHEAR

90 "Fv" HORIZONTAL SHEAR 1.6E "E" MODULES OF ELASTICITY

3-1/2" OR EQUAL PROVIDING 500LBS, SHEAR STRENGTH 16" ON CENTER (4" AT EDGES) OPENING-ENSURE THAT A CLEARANCE OF 1/4" PER SIDE IS LEFT FOR SHIMMING

-REFER TO INSTALLATION INSTRUCTIONS FOR THE SPECIFIC PRODUCT BEING INSTALLED -SET WINDOW IN OPENING, SHIMMING, LEVELING, AND SQUARING TO ENSURE PROPER

INSTALLATION FIN TO SECURE UNIT (8" ON CENTER) BEAD OF CAULKING -FILL VOID BETWEEN WINDOW AND WOOD BUCK WITH INSULATION BEING CAREFUL NOT TO

(3) APPLICATION OF CAULKING

-INSERT STYROFOAM BACKER ROD INTO THE OPENING BETWEEN WINDOW FRAME AND "J"

FLORIDA BUILDING CODE IN EFFECT AT THE TIME OF CONSTRUCTION

PLANS ARE NOT

VALID UNLESS

SIGNED AND DATED

CONSTRUCTION PROPOSED FOR THE FOLLOWING LOCATION:

<u>Z</u>

 \bigcap

3450 KEY V

: 31437

William R. C. Email: will@c

PROJECT #:

Date: OCTOBER 26, 2020

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