

**Columbia County Remodel Permit Application**

<b>For Office Use Only</b>		Application # <u>44147</u>	Date Received <u>12/6/19</u>	By <u>MG</u>	Permit # <u>39001</u>
Zoning Official <u>LW/WH</u>	Date <u>12-6-19</u>	Flood Zone <u>X</u>	Land Use <u>Ag</u>	Zoning <u>PR20</u>	
FEMA Map # _____	Elevation _____	MFE _____	River _____	Plans Examiner <u>TC</u>	Date <u>12-9-19</u>
Comments <u>FO-38049 Remodel-38140 non habitable structure</u>					
<input type="checkbox"/> NOC <input checked="" type="checkbox"/> Deed or PA <input type="checkbox"/> Dev Permit # _____ <input type="checkbox"/> In Floodway <input type="checkbox"/> Letter of Auth. from Contractor <input type="checkbox"/> F W Comp. letter <input type="checkbox"/> Owner Builder Disclosure Statement <input type="checkbox"/> Land Owner Affidavit <input type="checkbox"/> Ellisville Water <input checked="" type="checkbox"/> App Fee Paid <input checked="" type="checkbox"/> Site Plan <input checked="" type="checkbox"/> Env. Health Approval <u>19-0277</u> <input checked="" type="checkbox"/> Sub VF Form					

Applicant (Who will sign/pickup the permit) Isaiah Cully Phone 386-867-0086

Address 818 W Duval Lake city FL 32055

Owners Name JAMES DAVID WALLER & ALICA WALLER Phone 229-921-6212

911 Address 217 SW UPSTAGE GLEN LAKE CITY, FL 32024

Contractors Name Isaiah Cully Phone 386-867-0086

Address 818 W Duval Lake city FL 32055

Contractor Email isaiahcully4@gmail.com \*\*\*Include to get updates on this job.

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address Nicholas Geisler 1758 NW Brown rd, lake city FL. 32055

Mortgage Lenders Name & Address \_\_\_\_\_

Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 09280-149 Estimated Construction Cost \$117,000

Subdivision Name THE OAKS OF LAKE CITY Lot 49 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions from a Major Road 441 S to 131, 131 to Mandiba, right on Mandiba to Custom made cir  
Custom made cir to upstage, left on upstage, Project is on right

Construction of detached garage \_\_\_\_\_ Commercial OR X Residential

Type of Structure (House; Mobile Home; Garage; Exxon) Garage

Use/Occupancy of the building now \_\_\_\_\_ Is this changing \_\_\_\_\_

If Yes, Explain, Proposed Use/Occupancy \_\_\_\_\_

Is the building Fire Sprinkled? NO If Yes, blueprints included \_\_\_\_\_ Or Explain \_\_\_\_\_

Entrance Changes (Ingress/Egress) \_\_\_\_\_ If Yes, Explain \_\_\_\_\_

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) \_\_\_\_\_

**Columbia County Building Permit Application**

**CODE: Florida Building Code 2017 6th Edition and the 2014 National Electrical Code.**

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

**TIME LIMITATIONS OF APPLICATION :** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

**TIME LIMITATIONS OF PERMITS:** Every permit issued shall become invalid unless the work authorized by such permit is commenced within **180** days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT:** **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

**OWNERS CERTIFICATION:** I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

**NOTICE TO OWNER:** There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Alica Waller

Print Owners Name

Alicia C. Waller  
Owners Signature

**\*\*Property owners must sign here before any permit will be issued.**

**\*\*If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

[Signature]  
Contractor's Signature

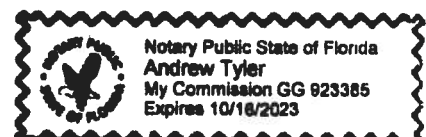
Contractor's License Number CBC 1295655  
Columbia County  
Competency Card Number 1179 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4 day of December 2019.

Personally known X or Produced Identification \_\_\_\_\_

SEAL:

[Signature]  
State of Florida Notary Signature (For the Contractor)



## SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # \_\_\_\_\_ JOB NAME Waller Garage

### THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

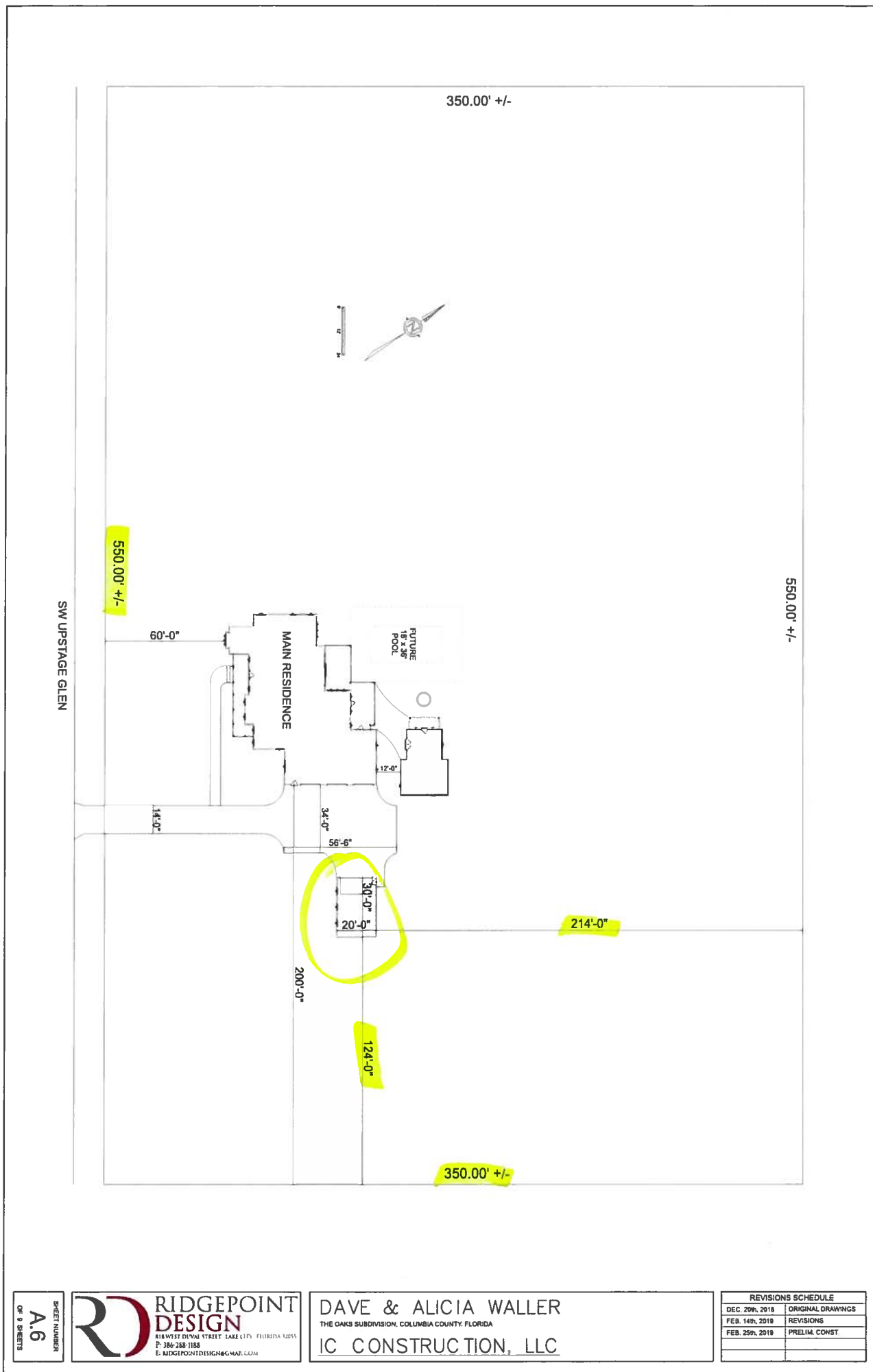
**NOTE:** It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

**Use website to confirm licenses:** <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

**NOTE:** If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

<b>ELECTRICAL</b> <input type="checkbox"/>	Print Name <u>Dennis Conklin</u> Signature <u>Dennis Conklin</u> Company Name: <u>D&amp;S Electric</u> License #: <u>13003800</u> <u>(Everton Ruddock)</u> Phone #: <u>386-397-5731</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/A/C</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/GAS</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input checked="" type="checkbox"/>	Print Name <u>Isaiah Cully</u> Signature <u>[Signature]</u> Company Name: <u>IC Construction LLC</u> License #: <u>1295655</u> Phone #: <u>386-867-0086</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE



SHEET NUMBER  
A.6  
OF 8 SHEETS

**RIDGEPOINT DESIGN**  
818 WEST DUNN STREET, SUITE 101, FORT WORTH, TEXAS 76104  
P: 817-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

**DAVE & ALICIA WALLER**  
THE OAKS SUBDIVISION, COLUMBIA COUNTY, FLORIDA  
**IC CONSTRUCTION, LLC**

REVISIONS SCHEDULE	
DEC. 20th, 2018	ORIGINAL DRAWINGS
FEB. 14th, 2019	REVISIONS
FEB. 25th, 2019	PRELIM. CONST.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING	Plast Pro	fiberglass door	FL# 14803.1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG	YKK	Single hung Vinyl	#17169.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING	James hardi	Cement lap siding	13192.r4
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES	GAF	Architectual Asphalt shingles	11651.28 r1
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCT COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b>			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.  
Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Columbia County Property Appraiser

Jeff Hampton

2020 Working Values  
updated 11/27/2019

Parcel: &lt;&lt; 18-5S-17-09280-149 &gt;&gt;

Aerial Viewer Pictometry Google Maps

2019 2016 2013 2010 2007 2005 Sales

## Owner &amp; Property Info

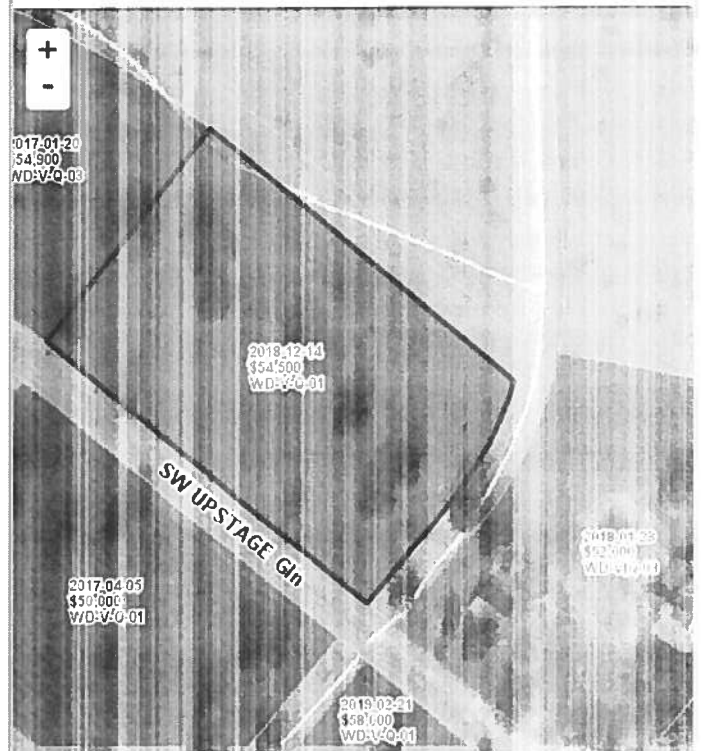
Result: 1 of 1

Owner	WALLER JAMES D & ALICIA E WALLER (JTWSR) 217 SW UPSTAGE GLN LAKE CITY, FL 32024		
Site	,		
Description*	LOT 49 OAKS OF LAKE CITY PHS 1 WD 1374-1238.		
Area	4.51 AC	S/T/R	18-5S-17
Use Code**	VACANT (000000)	Tax District	3

\*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.  
\*\*The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

## Property &amp; Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (1)	\$41,000	Mkt Land (1)	\$41,000
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$41,000	Just	\$41,000
Class	\$0	Class	\$0
Appraised	\$41,000	Appraised	\$41,000
SOH Cap (?)	\$0	SOH Cap (?)	\$0
Assessed	\$41,000	Assessed	\$41,000
Exempt	\$0	Exempt	\$0
Total	county:\$41,000	Total	county:\$41,000
Taxable	city:\$41,000	Taxable	city:\$41,000
	other:\$41,000		other:\$41,000
	school:\$41,000		school:\$41,000



## Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
12/14/2018	\$54,500	1374/1238	WD	V	Q	01

## Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

## Extra Features &amp; Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

## Land Breakdown

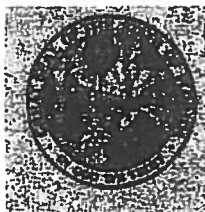
Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (4.510 AC)	1.00/1.00 1.00/1.00	\$41,000	\$41,000

Search Result: 1 of 1

© Columbia County Property Appraiser | Jeff Hampton | Lake City, Florida | 386-758-1083

by City2Fly.com

44147



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL  
SYSTEM

APPLICATION FOR CONSTRUCTION PERMIT

CR # 10-7144

PERMIT NO. 19-0177  
DATE PAID: 4/2/19  
FEE PAID: 1818.88  
RECEIPT #: 2706447

APPLICATION FOR:

☒ New System    ☐ Existing System    ☐ Holding Tank    ☐ Innovative  
☐ Repair    ☐ Abandonment    ☐ Temporary    ☐

APPLICANT: JAMES DAVID & ALICIA WALLER

AGENT: IC CONSTRUCTION

TELEPHONE: \_\_\_\_\_

MAILING ADDRESS: P.O. BOX 1174

LAKE CITY

FL 32056

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: N/A BLOCK: N/A SUBDIVISION: METES AND BOUNDS PLATTED: \_\_\_\_\_

PROPERTY ID #: 18-5S-17-09280-149 ZONING: RES I/M OR EQUIVALENT: ☐ NO ☐

PROPERTY SIZE: 4.510 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐  $\leq 2000\text{GPD}$  ☐  $> 2000\text{GPD}$

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ NO ☐ DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: 217 UPSTAGE GLEN LAKE CITY, FL 32024

DIRECTIONS TO PROPERTY:

TAKE 41 SOUTH, TURN RIGHT ON TUSTENUGGEE AVENUE, TURN LEFT ON MANDIBA, TURN RIGHT ON CUSTOM MADE, TURN LEFT ON UPSTAGE, SITE IS 2ND ON THE RIGHT.

BUILDING INFORMATION ☒ RESIDENTIAL ☐ COMMERCIAL

Unit No.	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	HOUSE	4	3,555	
2	Garage	0	600	
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

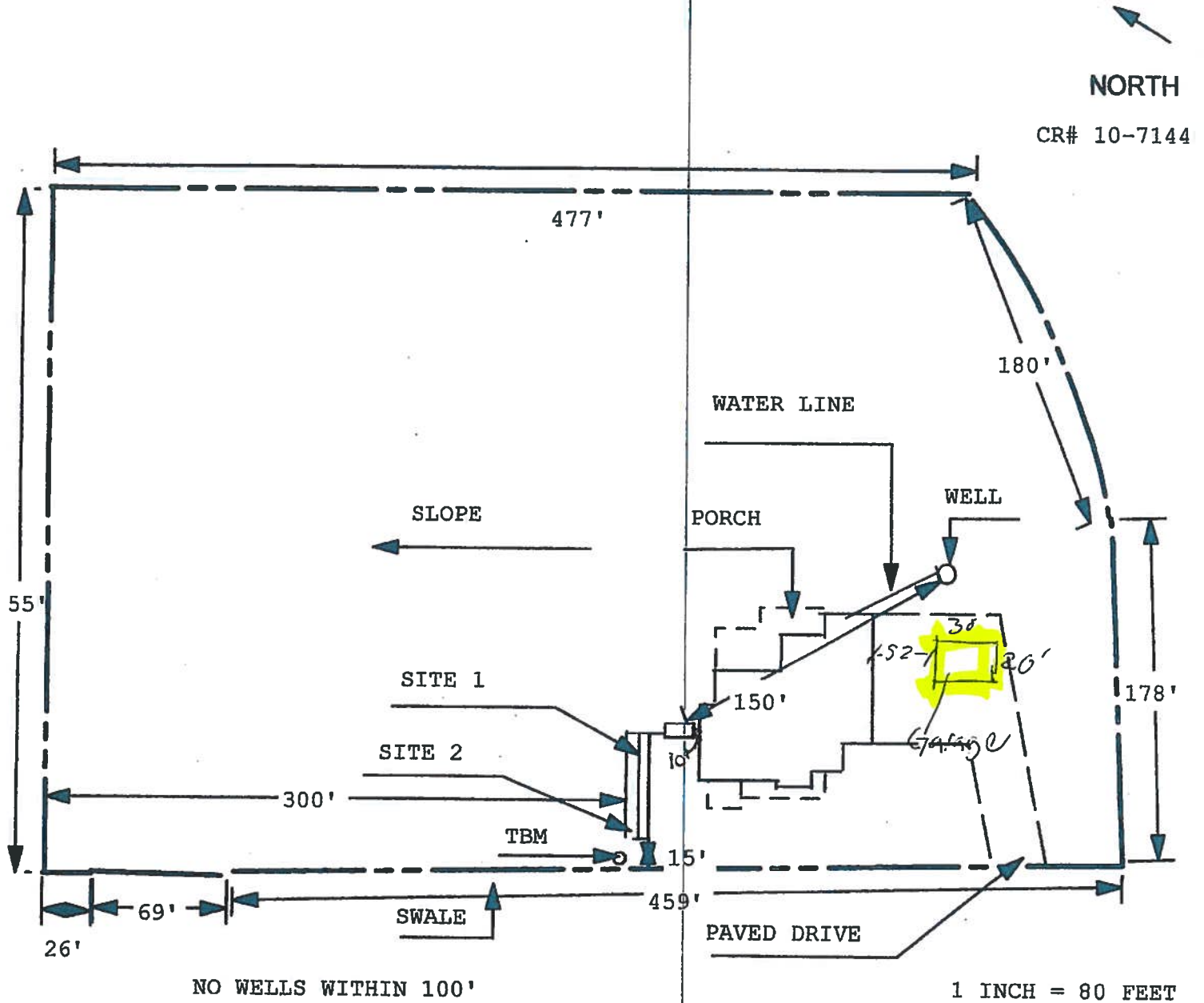
DATE: 4-2-19



# Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 18-0277

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**



Site Plan Submitted By \_\_\_\_\_ Date \_\_\_\_\_  
 Plan Approved ☒ Not Approved ☐ Date 4/15/19  
 By [Signature] ESI Columbia CPHU  
 Notes: \_\_\_\_\_





Lumber design values are in accordance with ANSI/TPI 1 section 6.3  
These truss designs rely on lumber values established by others.

RE: 2179898 - IC CONST. - WALLER GARAGE

MiTek USA, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610-4115

**Site Information:**

Customer Info: IC CONST. Project Name: Waller Garage Model: Custom  
Lot/Block: N/A Subdivision: N/A  
Address: 217 SW Upstage Glen, N/A  
City: Columbia State: FL

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**

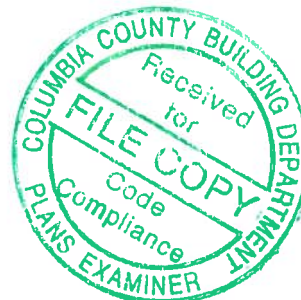
Name: License #:  
Address:  
City: State:

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2  
Wind Code: ASCE 7-10 Wind Speed: 130 mph  
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 2 individual, Truss Design Drawings and 0 Additional Drawings.  
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T18804966	T01	12/4/19
2	T18804967	T01G	12/4/19

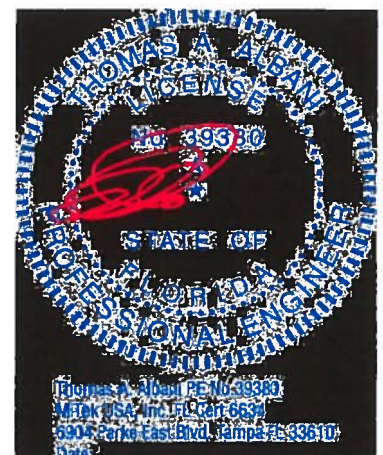


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2021.

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



December 4, 2019

Albani, Thomas

1 of 1

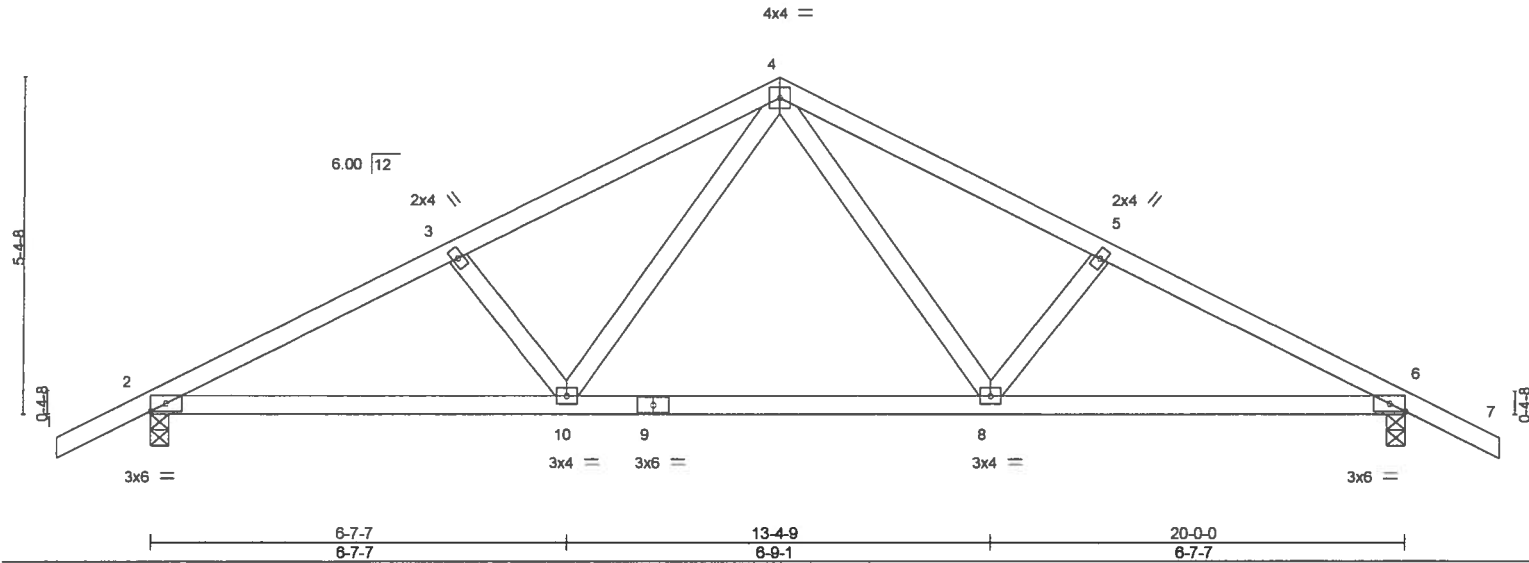
Job	Truss	Truss Type	Qty	Ply	IC CONST. - WALLER GARAGE	T18804966
2179898	T01	Common	14	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Dec 4 06:51:12 2019 Page 1  
ID p3vCv78Od8Cg0EoFI8g5lNyH1?Y-3\_07D1bTsSch6lUYiXDzoYTrZlejThYvLgD9mQyCQqz

1-6-0 4-10-9 10-0-0 15-1-7 20-0-0 21-8-0  
1-6-0 4-10-9 5-1-7 5-1-7 4-10-9 1-6-0

Scale = 1.36.9



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27	Vert(LL)	-0.05	8-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.11	8-10	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.16	Horz(CT)	0.03	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 94 lb	FT = 20%

<b>LUMBER-</b>		<b>BRACING-</b>	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-10 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 9-10-2 oc bracing.
WEBS	2x4 SP No.3		

**REACTIONS.** (lb/size) 2=821/0-3-8, 6=821/0-3-8  
Max Horz 2=-96(LC 13)  
Max Uplift 2=-228(LC 12), 6=-228(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1284/500, 3-4=-1134/482, 4-5=-1134/482, 5-6=-1284/500  
BOT CHORD 2-10=-349/1110, 8-10=-147/724, 6-8=-360/1110  
WEBS 4-8=-157/426, 5-8=-272/210, 4-10=-157/426, 3-10=-272/210

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=228, 6=228.



December 4, 20

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-99 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

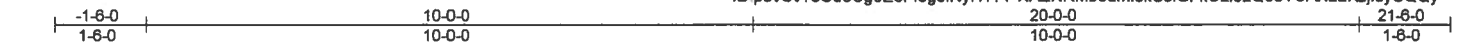


6904 Parke East Blvd.  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - WALLER GARAGE	T18804967
2179898	T01G	Common Supported Gable	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Dec 4 06:51:13 2019 Page 1  
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Scale = 1/38

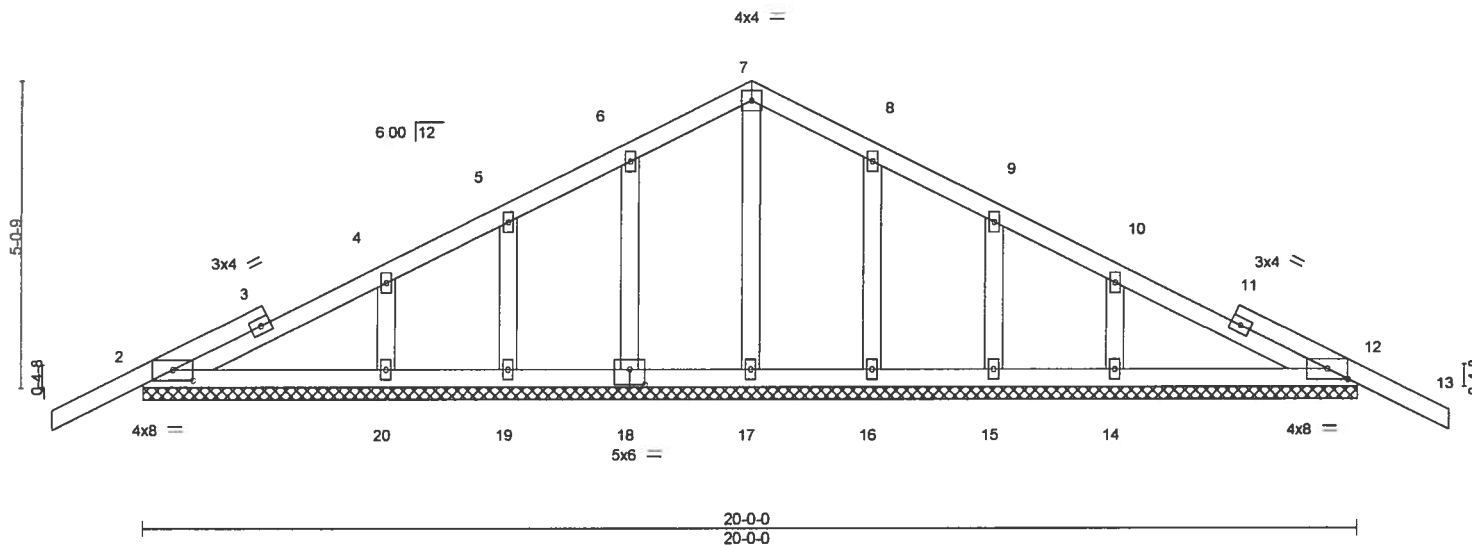


Plate Offsets (X,Y)– [2:0-4-0,0-2-1], [12:0-4-0,0-2-1], [18:0-3-0,0-3-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.13	Vert(LL)	-0.00	13	n/r	120	MT20 244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.10	Vert(CT)	-0.00	12	n/r	120	
BCLL	0.0 *	Rep Stress Incr YES		WB	0.05	Horz(CT)	0.00	12	n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 102 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

**REACTIONS.** All bearings 20-0-0.  
(lb) - Max Horz 2=91(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 16, 15 except 20=101(LC 12), 14=104(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 16, 15 except 20=260(LC 23), 14=260(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpl=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 16, 15 except (jt=lb) 20=101, 14=104.



December 4, 20

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

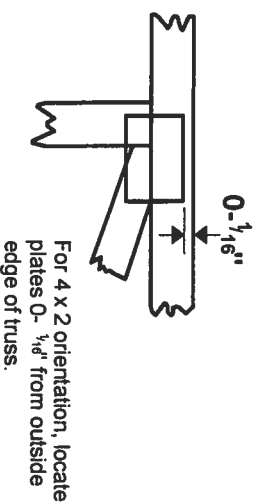
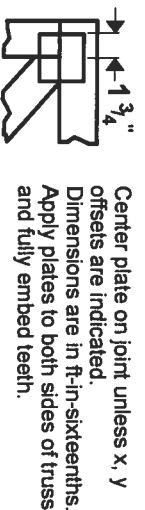


6904 Parke East Blvd.  
Tampa, FL 36610



# Symbols

## PLATE LOCATION AND ORIENTATION



\* Plate location details available in MITek 20/20 software or upon request.

## PLATE SIZE

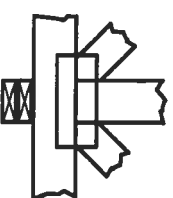
4 X 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



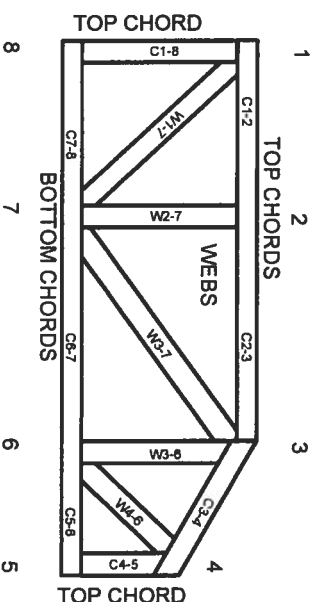
## BEARING



## Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
- DSB-89: Design Standard for Bracing.
- BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988  
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MIL-7473 rev. 10/03/2015



# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Torl bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.