

8335

Columbia County New Building Permit Application

For Office Use Only Application # 43889 Date Received 10/22 By MG Permit # 38897  
 Zoning Official LU/LH Date 10-28-19 Flood Zone X Land Use Ag Zoning A-3  
 FEMA Map # \_\_\_\_\_ Elevation \_\_\_\_\_ MFE 1' above rd River \_\_\_\_\_ Plans Examiner T.C. Date 11-1-19  
 Comments \_\_\_\_\_  
 NOC  EH  Deed or PA  Site Plan  State Road Info  Well letter  911 Sheet  Parent Parcel # \_\_\_\_\_  
 Dev Permit # \_\_\_\_\_  In Floodway  Letter of Auth. from Contractor  F W Comp. letter  
 Owner Builder Disclosure Statement  Land Owner Affidavit  Ellisville Water  App Fee Paid  Sub VF Form

Septic Permit No. 19-0804 OR City Water  Fax \_\_\_\_\_

Applicant (Who will sign/pickup the permit) Jeff Hardee Phone 352 949 0592

Address 6450 NW 72 Lv Chiefland FL 32626

Owners Name Jose + Leilani Ortiz Phone 941-429-0151

911 Address 202 SW Meadow Lands Dr Lake City, FL 32024

Contractors Name Rodney Wade Phone 352 507 8646

Address 1431 E Wadest T Renton FL 32693

Contractor Email Rodney@wadecustomhomes.com jeffhardeeshop@aol.com \*\*\*Include to get updates on this job.

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

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

Architect/Engineer Name & Address \_\_\_\_\_

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

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

Property ID Number 6-6-17-09617-702 Estimated Construction Cost 210,000

Subdivision Name meadowland Lot 2 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase 1

Driving Directions from a Major Road 491 S 7/2 CR 18 7/R  
tuscany 7/2 on meadow lands drive to lot on left

Construction of site built home Commercial OR  Residential

Proposed Use/Occupancy Residence Number of Existing Dwellings on Property \_\_\_\_\_

Is the Building Fire Sprinkled? No If Yes, blueprints included \_\_\_\_\_ Or Explain \_\_\_\_\_

Circle Proposed  Culvert Permit or  Culvert Waiver or  D.O.T. Permit or  Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 113 Side 162 Side 140 Rear 447

Number of Stories 1 Heated Floor Area 2051 Total Floor Area 2540 Acreage 5.01

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

Columbia County Building Permit Application

**CODE: Florida Building Code 2017 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.

Leilani Ortiz  
Print Owners Name

Leilani Ortiz  
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.

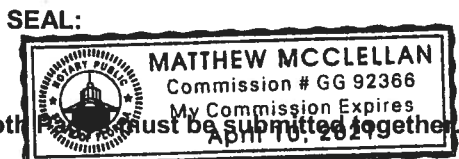
[Signature]  
Contractor's Signature

Contractor's License Number CRC 1331070  
Columbia County  
Competency Card Number 1871 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 22 day of OCTOBER 2019.

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

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



**SUBCONTRACTOR VERIFICATION**

APPLICATION/PERMIT # 43889 JOB NAME \_\_\_\_\_

**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 checked="" type="checkbox"/>	Print Name <u>Danny Sprague</u> Signature <u><i>Danny Sprague</i></u> Company Name: <u>Sprague Electric, LLC</u> License #: <u>EC13008439</u> Phone #: <u>352.221.4847</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 checked="" type="checkbox"/>	Print Name <u>Jack Earl Spann Jonathan</u> Signature <u><i>Jonathan Spann</i></u> Company Name: <u>Spann's Heating and Air</u> License #: <u>CAC1815959</u> Phone #: <u>352.463.6440</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>PLUMBING/GAS</b> <input checked="" type="checkbox"/>	Print Name <u>James Butler</u> Signature <u><i>James Butler</i></u> Company Name: <u>Butler Plumbing</u> License #: <u>CFC057960</u> Phone #: <u>352.472.3677</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>ROOFING</b> <input type="checkbox"/>	Print Name <u>William T. Stockman</u> Signature <u><i>William T. Stockman</i></u> Company Name: <u>Advantage Roofing + Construction Inc</u> License #: <u>RC29027117</u> Phone #: <u>352-949-0901</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 <i>needs to renew</i>
<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 checked="" type="checkbox"/>	Print Name <u>Frank Anderson</u> Signature <u><i>Frank Anderson</i></u> Company Name: <u>Gator Gas LP, Inc.</u> License #: <u>3004</u> Phone #: <u>352.542.8420</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

**SUBCONTRACTOR VERIFICATION**

APPLICATION/PERMIT # 43889 JOB NAME DRTZ

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*OK from Permit 38081*

<b>ELECTRICAL</b> <input checked="" type="checkbox"/>	Print Name <u>DANN SPRIGUE</u> Signature <u>[Signature]</u>	<b>VOID</b>	<b>VOID</b>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>827</u>	Company Name: <u>SPRIGUE ELECTRIC, LLC</u>	License #: <u>EC-13008439</u>	Phone #: <u>352-281-4847</u>	
<b>MECHANICAL/A/C</b> <input checked="" type="checkbox"/>	Print Name <u>JACK SPANN</u> Signature <u>[Signature]</u>	<b>VOID</b>	<b>VOID</b>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1878</u>	Company Name: <u>SPANN'S HEATING &amp; AIR</u>	License #: <u>CAC 1815959</u>	Phone #: <u>352 463 6440</u>	
<b>PLUMBING/GAS</b> <input checked="" type="checkbox"/>	Print Name <u>JAMES BUTLER</u> Signature <u>[Signature]</u>	<b>VOID</b>	<b>VOID</b>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>429</u>	Company Name: <u>BUTLER PLUMBING OF COLUMBIA COUNTY</u>	License #: <u>CFC 057960</u>	Phone #: <u>352 478 3677</u>	
<b>ROOFING</b> <input type="checkbox"/>	Print Name _____ Signature _____	<b>VOID</b>	<b>VOID</b>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: <u>See Attached Sheet</u>	License #: _____	Phone #: _____	
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____			<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____	License #: _____	Phone #: _____	
<b>FIRE SYSTEM/SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____			<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____	License #: _____	Phone #: _____	
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____			<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____	License #: _____	Phone #: _____	
<b>STATE SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____			<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____	License #: _____	Phone #: _____	

# Columbia County Property Appraiser

Jeff Hampton

## 2019 Preliminary Certified Values

updated: 8/14/2019

Parcel: << 06-6S-17-09617-102 >>

Aerial Viewer Pictometry Google Maps

### Owner & Property Info

Result: 1 of 1

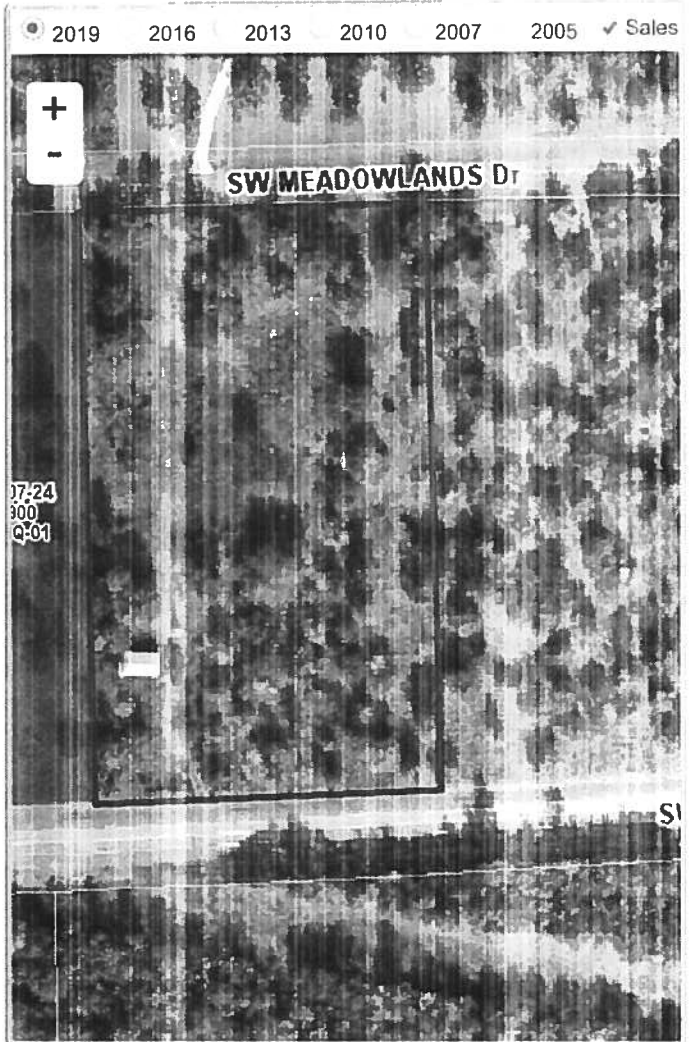
Owner	ORTIZ JOSE J & LEILANI G 1637 SARACEN LN NORTH PORT, FL 34286		
Site	202 MEADOWSLANDS DR, LAKE CITY		
Description*	LOT 2 MEADOWSLANDS S/D PHS 1 AG-1020-1643, WD 1115-2273, 2274		
Area	5.01 AC	S/T/R	06-6S-17E
Use Code**	MISC RES (000700)	Tax District	3

\*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 & Assessment Values

2018 Certified Values		2019 Preliminary Certified	
Mkt Land (1)	\$29,000	Mkt Land (1)	\$29,000
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (1)	\$14,400	XFOB (1)	\$14,400
Just	\$43,400	Just	\$43,400
Class	\$0	Class	\$0
Appraised	\$43,400	Appraised	\$43,400
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$43,400	Assessed	\$43,400
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$43,400 city:\$43,400 other:\$43,400 school:\$43,400	Total Taxable	county:\$43,400 city:\$43,400 other:\$43,400 school:\$43,400



### Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
4/4/2007	\$100	1115/2273	WD	V	U	04
4/3/2007	\$70,000	1115/2274	WD	V	Q	
1/22/2004	\$31,900	1020/1643	AG	V	U	01

### Building Characteristics

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

### Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0030	BARN,MT	2008	\$14,400.00	960.000	24 x 40 x 0	(000.00)

### Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000700	MISC RES (MKT)	1.000 LT - (5.010 AC)	1.00/1.00 1.00/1.00	\$29,000	\$29,000

Search Result: 1 of 1



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ON-SITE SEWAGE TREATMENT AND DISPOSAL  
SYSTEM  
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-0804  
DATE PAID: 10/31/19  
FEE PAID: 310.00  
RECEIPT #: 1451036

APPLICATION FOR:

- New System       Existing System       Holding Tank       Innovative  
 Repair       Abandonment       Temporary

APPLICANT: Jose Ortiz

AGENT: Jeff Hardee (Hardee Environmental and Permitting)

TELEPHONE: 352-949-0592

MAILING ADDRESS: 6450 NW 72 Lane, Chiefland, FL 32626 EMAIL: JeffHardeeHEP@aol.com

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (a) 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: 2 BLOCK:      SUBDIVISION: Meadowlands PLATTED: 11/12/03

PROPERTY ID #: 6-6-17-09617-102 ZONING: Res I/M OR EQUIVALENT:

PROPERTY SIZE: 5.01 ACRES WATER SUPPLY:  PRIVATE PUBLIC  [ ] <=2000GPD [ ] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS?   DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: 202 Meadowlands Dr Lake City

DIRECTIONS TO PROPERTY: SR 47 S TLC SW Herlong St  
to TLC on SW Tustnugger TLC Meadowlands Dr

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	<u>House</u>	<u>3</u>	<u>2051</u>	
2				
3				
4				

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

SIGNATURE: Jeff Hardee

DATE: 10-29-19



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

PERMIT #: 12-SC-2012937  
APPLICATION #: AP1451036  
DATE PAID: 10/31/19  
FEE PAID: 310.00  
RECEIPT #: 422760  
DOCUMENT #: PR1279988

CONSTRUCTION PERMIT FOR: OSTDS New  
APPLICANT: JOSE\*\*19-0804 ORTIZ  
PROPERTY ADDRESS: 202 MEADOWLANDS Dr Fort White, FL 32038  
LOT: 2 BLOCK: \_\_\_\_\_ SUBDIVISION: Meadowlands S/D  
PROPERTY ID #: 09617-102 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]  
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [ 900 ] GALLONS / GPD Septic CAPACITY  
A [ ] GALLONS / GPD N/A CAPACITY  
N [ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]  
K [ ] GALLONS DOSING TANK CAPACITY [ ] GALLONS @[ ] DOSES PER 24 HRS #Pumps [ ]  
D [ 462 ] SQUARE FEET Drainfield SYSTEM  
R [ ] SQUARE FEET N/A SYSTEM  
A TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ]  
I CONFIGURATION: [X] TRENCH [ ] BED [ ]

F LOCATION OF BENCHMARK: Nail in Oak tree north of drainfield end, east side of tree.  
I ELEVATION OF PROPOSED SYSTEM SITE [ 24.00 ] [ INCHES ] FT [ ABOVE / BELOW ] BENCHMARK/REFERENCE POINT  
E BOTTOM OF DRAINFIELD TO BE [ 43.00 ] [ INCHES ] FT [ ABOVE / BELOW ] BENCHMARK/REFERENCE POINT

D FILL REQUIRED: [ 0.00 ] INCHES EXCAVATION REQUIRED: [ 0.00 ] INCHES

O The system is sized for 3 bedrooms with a maximum occupancy of 6 persons (2 per bedroom), for a total estimated flow of 300 gpd.  
T  
H  
E  
R

SPECIFICATIONS BY: Jeff Healdree TITLE: PSE  
APPROVED BY: Jeremy X Gifford TITLE: Planner II Columbia CHD  
DATE ISSUED: 11/02/2019 EXPIRATION DATE: 05/06/2021

## **NOTICE OF RIGHTS**

A party whose substantial interest is affected by this order may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. Such proceedings are governed by Rule 28-106, Florida Administrative Code. A petition for administrative hearing must be in writing and must be received by the Agency Clerk for the Department, within twenty-one (21) days from the receipt of this order. The address of the Agency Clerk is 4052 Bald Cypress Way, BIN A-02, Tallahassee, Florida 32399. The Agency Clerk's facsimile number is 850-413-8743.

Mediation is not available as an alternative remedy.

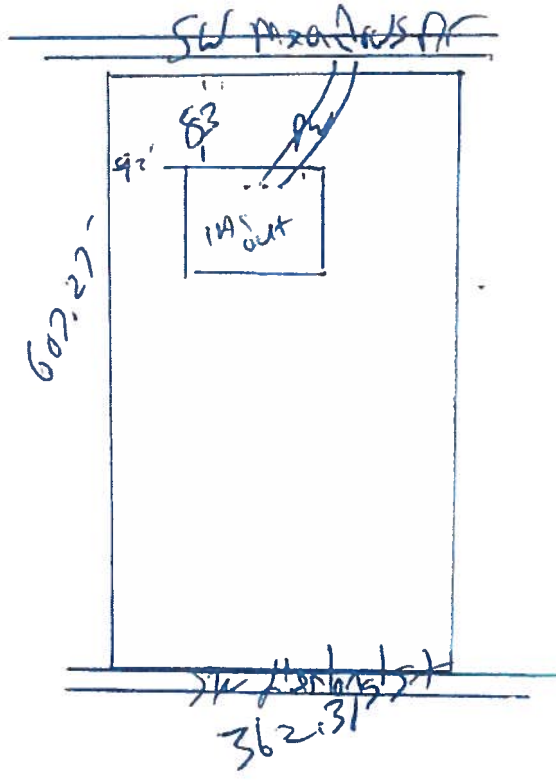
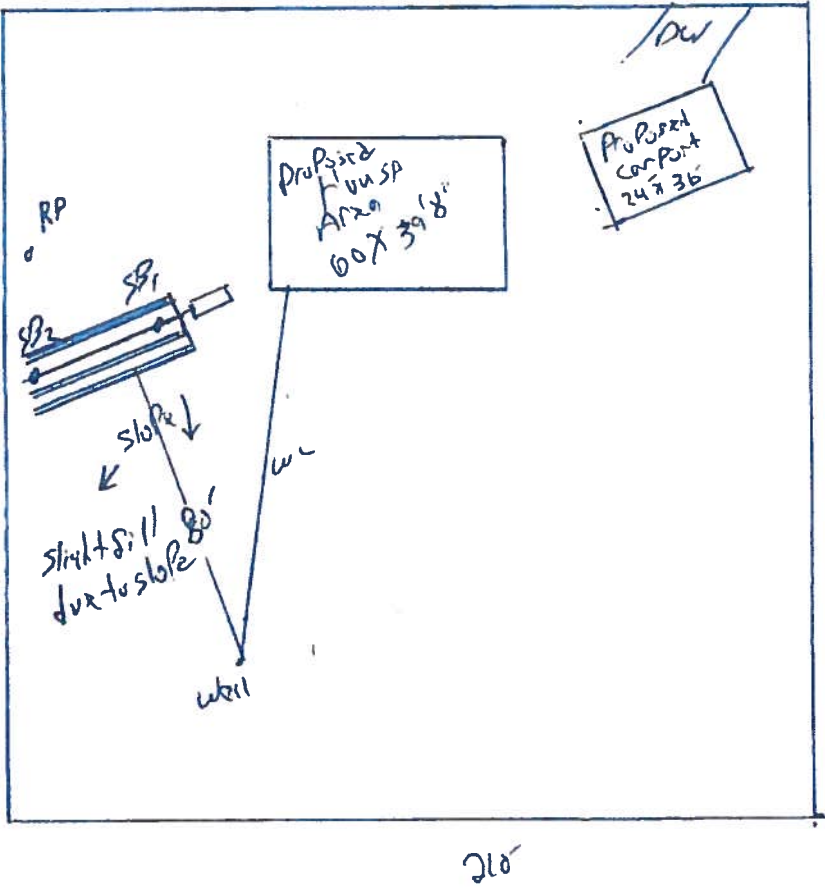
Your failure to submit a petition for hearing within 21 days from receipt of this order will constitute a waiver of your right to an administrative hearing, and this order shall become a 'final order'.

Should this order become a final order, a party who is adversely affected by it is entitled to judicial review pursuant to Section 120.68, Florida Statutes. Review proceedings are governed by the Florida Rules of Appellate Procedure. Such proceedings may be commenced by filing one copy of a Notice of Appeal with the Agency Clerk of the Department of Health and a second copy, accompanied by the filing fees required by law, with the Court of Appeal in the appropriate District Court. The notice must be filed within 30 days of rendition of the final order.

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-8804

$1' = 50'$  ----- PART II - SITEPLAN ----- on file



Notes: All Permitted features shown w/in 75' of 1 Ac cut

Site Plan submitted by: [Signature]  
 Plan Approved: [Signature] Not Approved: \_\_\_\_\_ Date 11/6/19  
 By: [Signature] Columb County Health Department

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



**COLUMBIA COUNTY BUILDING DEPARTMENT**  
**LETTER OF AUTHORIZATION TO SIGN FOR PERMITS**  
 135 NE Hernando Ave, Suite B-21, Lake City, FL 32055  
 Phone: 386-758-1008 Fax: 386-758-2160

I, RODNEY WADE (license holder name), licensed qualifier  
 for WADE CUSTOM HOMES, INC (company name), do certify that  
 the below referenced person(s) listed on this form is/are **employed** by me directly or through an  
 employee leasing arrangement; or, is an officer of the corporation; or, partner as defined in  
 Florida Statutes Chapter 468, and the said person(s) is/are under my direct supervision and  
 control and is/are authorized to purchase permits, call for inspections, and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. JEFF HARDEE	1. <i>[Signature]</i>
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done  
 under my license and fully responsible for compliance with all Florida Statutes, Codes, and  
 Local Ordinances. I understand that the State and County Licensing Boards have the power and  
 authority to discipline a license holder for violations committed by him/her, his/her agents,  
 officers, or employees and that I have full responsibility for compliance with all statutes, codes  
 and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer employee(s), or officer(s), you  
 must notify this department in writing of the changes and submit a new letter of authorization  
 form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to  
 use your name and/or license number to obtain permits.

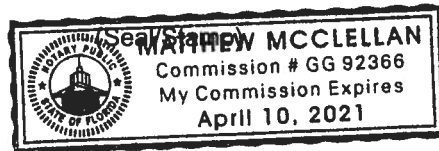
*[Signature]* License Holders Signature (Notarized)      CC1331070 License Number      10/22/19 Date

**NOTARY INFORMATION:**

STATE OF: Florida COUNTY OF: Columbia

The above license holder, whose name is RODNEY WADE,  
 personally appeared before me and is known by me or has produced identification  
 (type of I.D.) \_\_\_\_\_ on this 22 day of OCTOBER, 2019.

*[Signature]*  
 NOTARY'S SIGNATURE



Legend

# Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Oct 28 2019 10:26:39 GMT-0400 (Eastern Daylight Time)

LidarElevations



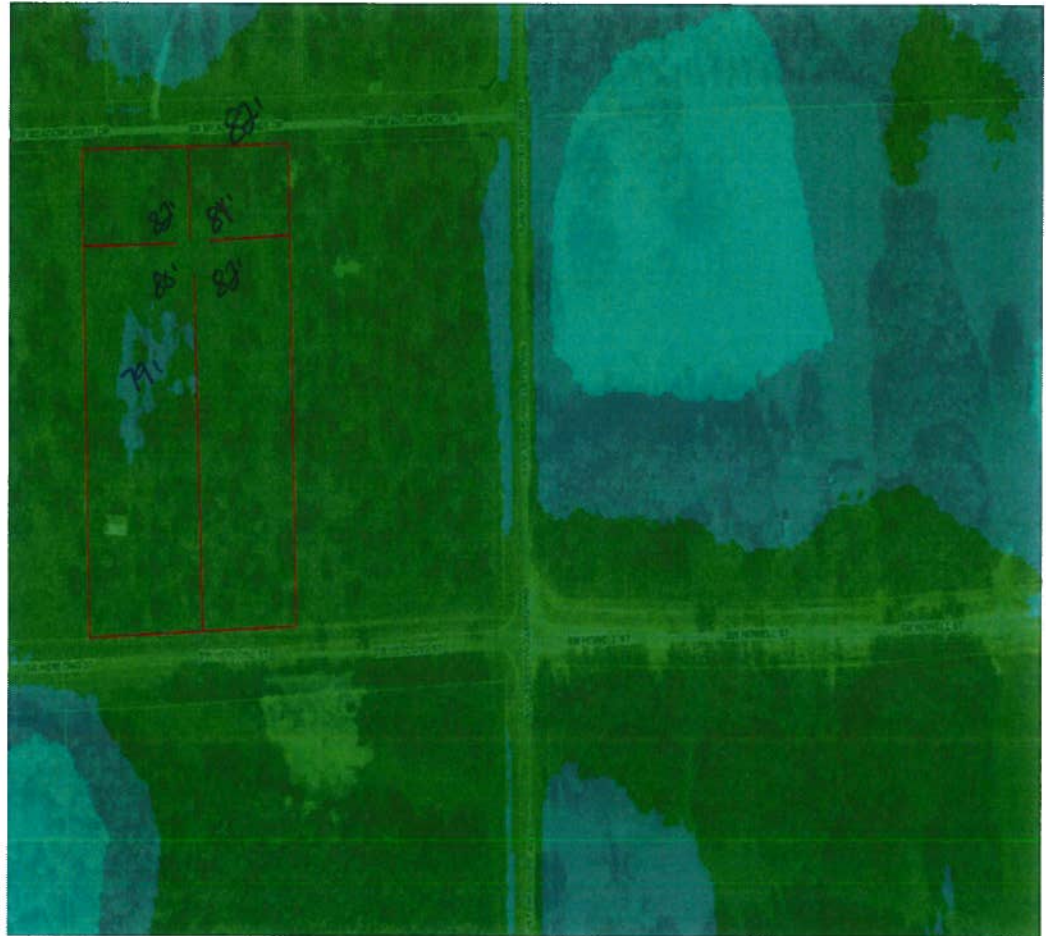
Roads

- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

SectionTownshipAndRange

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

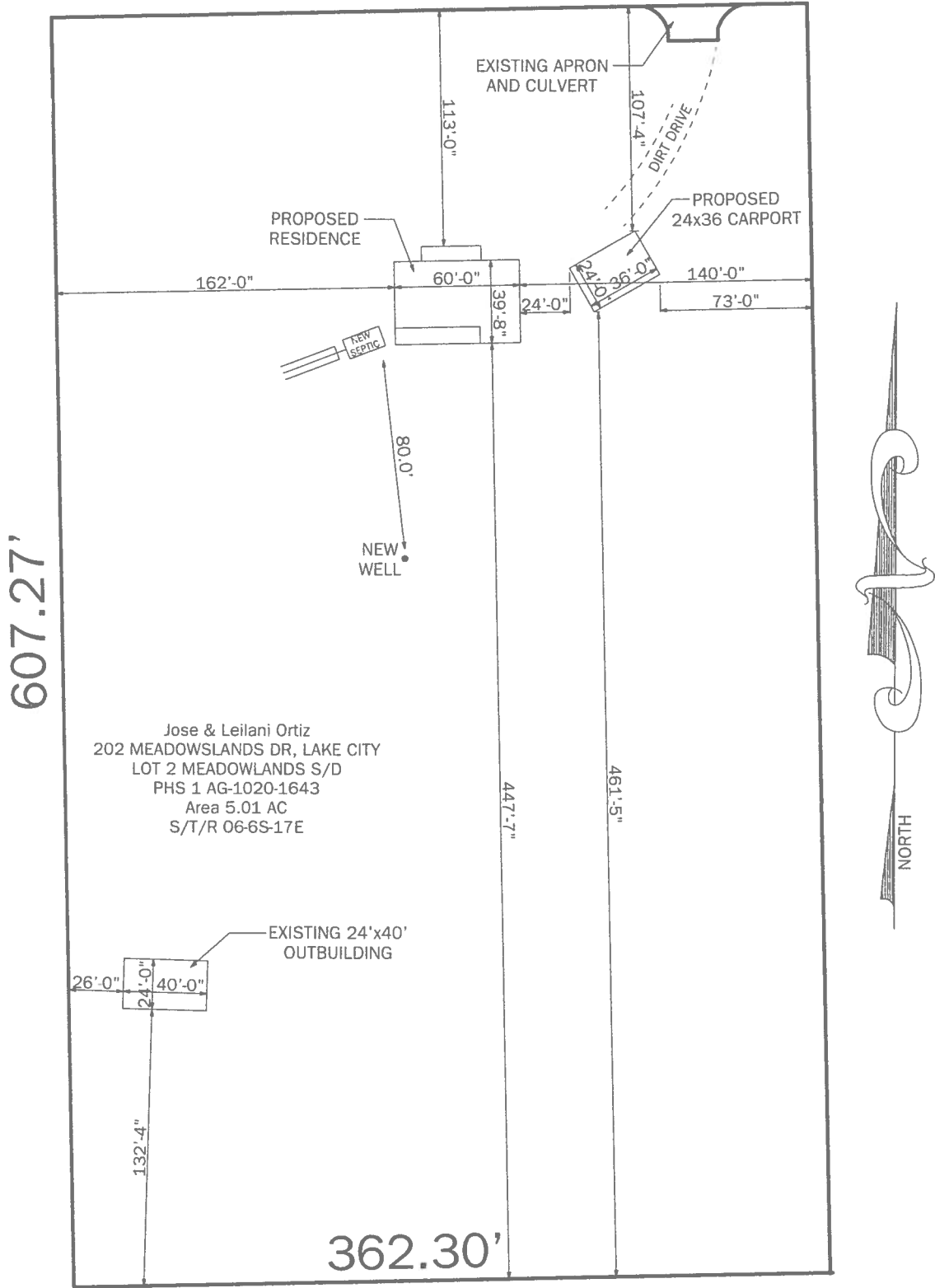


## Parcel Information

Parcel No: 06-6S-17-09617-102  
 Owner: ORTIZ JOSE J & LEILANI G  
 Subdivision: MEADOWLANDS PHASE 1  
 Lot: 2  
 Acres: 5.075379  
 Deed Acres: 5.01 Ac  
 District: District 5 Tim Murphy  
 Future Land Uses: Agriculture - 3  
 Flood Zones:  
 Official Zoning Atlas: A-3

All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness of completeness. Columbia County, FL makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, and update.

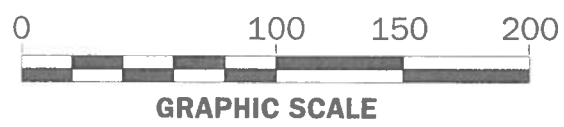
SW Meadowlands Drive



Jose & Leilani Ortiz  
202 MEADOWSLANDS DR, LAKE CITY  
LOT 2 MEADOWSLANDS S/D  
PHS 1 AG-1020-1643  
Area 5.01 AC  
S/T/R 06-6S-17E

362.30'

SW Herlong St



SITE PLAN  
SCALE: 1" = 80'



SW MEADOWLANDS DR

SW HERLONG ST

SW TUSTENUGGEE AVE

0 150 300 450 600 750 900 1050 1200 1350 1500 ft

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	Masonite	Exterior Swing Door	FL6506-R2 5465 ✓
B. SLIDING			
C. SECTIONAL/ROLL UP	Haas Door	Sectional Steel Roll Up Garage Door	FL16660.33 ✓
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG	M/I	Vinyl Insulated Windows (Single Hung) 17499	08-01928 RA ✓
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING	James Hardie	7 1/4" Lap horizontal siding	FL10477 ✓
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL	Tri-County Metals	Metal Roofing	FL13332, FL 4595 R-1 ✓
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCTURAL COMPONENTS</b>			
A. WOOD CONNECTORS	See separate sheet for	Simpson Connectors and Anchors	
B. WOOD ANCHORS	See separate sheet for	Simpson Connectors and Anchors	
C. TRUSS PLATES	See separate sheet for	Simpson Connectors and Anchors	
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR</b>			
<b>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.

Contractor OR Agent Signature \_\_\_\_\_

Date \_\_\_\_\_

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

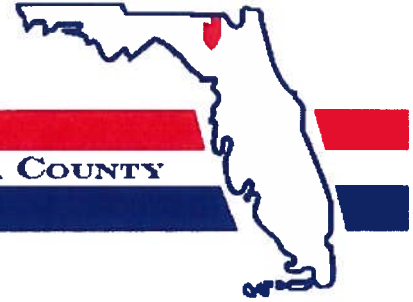
\_\_\_\_\_

\_\_\_\_\_

## SIMPSON STRONG-TIE PRODUCT APPROVALS

ABU66	10849.5
DTT2Z	10441.13
H1	10456.5
H2.5A	10456.12
H10	10456.6
H10-2	10456.7
HDU5-SDS2.5	10441.6
HUC210-2	10531.28
HTT4	13872.3
LSTA12	10852.4
LSTA15	10852.4
LSTA18	10852.4
SP1	10456.41
SP2	10456.42
SP4	10456.43
SP6	10456.44
SPH4	10446.46
SPH6	10456.47

District No. 1 - Ronald Williams  
District No. 2 - Rocky Ford  
District No. 3 - Bucky Nash  
District No. 4 - Toby Witt  
District No. 5 - Tim Murphy



**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY**

**Address Assignment and Maintenance Document**

To maintain the county wide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for addressing and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Services Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County

---

Date/Time Issued: **10/30/2019 8:46:39 PM**  
Address: **202 SW MEADOWLANDS Dr**  
City: **LAKE CITY**  
State: **FL**  
Zip Code **32024**

---

Parcel ID **09617-102**

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REMARKS: Address Verification.

**NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION AND ACCESS INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION AND/OR ACCESS INFORMATION BE FOUND TO BE IN ERROR OR CHANGED, THIS ADDRESS IS SUBJECT TO CHANGE.**

Address Issued By: **Signed:/ Matt Crews**

---

Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

**263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125  
Email: [gis@columbiacountyfla.com](mailto:gis@columbiacountyfla.com)**

**Dependable well Drilling Inc.**

**2139 NW 50<sup>th</sup> street**

**Bell,Fl. 32619**

**Phone:352-221-3372, 352-642-6754**

**352-225-1618**

**E-mail: drillmaster57@outlook.com**

**Mgriff60@gmail.com**

**We Dependable Well Drilling Inc. Will be putting in a 4" well for Mr.Ortiz at 202 SW Meadowlands Dr. Lake City, Fl. 32024. Parcel number 09617-102.It will have 1HP pump, cycle stop system.**

*Dependable well Drilling Inc.*

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

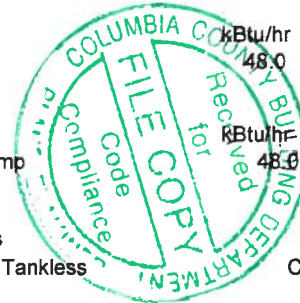
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Rodney Wade- Ortiz  
 Street: Rodney Wade- Ortiz  
 City, State, Zip: Lake City , FL ,  
 Owner: Rodney Wade- Ortiz  
 Design Location: FL, Gainesville

Builder Name: Spann's Heating and Air INC.  
 Permit Office:  
 Permit Number:  
 Jurisdiction:  
 County: columbia (Florida Climate Zone 2 )

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area above grade (ft <sup>2</sup> )	2053	
Conditioned floor area below grade (ft <sup>2</sup> )	0	
7. Windows(224.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.40	224.00 ft <sup>2</sup>
SHGC:	SHGC=0.20	
b. U-Factor:	N/A	ft <sup>2</sup>
SHGC:		
c. U-Factor:	N/A	ft <sup>2</sup>
SHGC:		
d. U-Factor:	N/A	ft <sup>2</sup>
SHGC:		
Area Weighted Average Overhang Depth:	1.000 ft.	
Area Weighted Average SHGC:	0.200	
8. Floor Types (2052.3 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2052.30 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>

9. Wall Types (1808.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1808.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
d. N/A	R=	ft <sup>2</sup>
10. Ceiling Types (2053.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	2053.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
11. Ducts	R	ft <sup>2</sup>
a. Sup: Attic, Ret: Attic, AH: Great Room	6	201
12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	48.0	SEER:14.00
13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	48.0	HSPF:8.20
14. Hot water systems		
a. Propane Tankless	Cap: 1 gallons	
	EF: 0.590	
b. Conservation features	None	
15. Credits	None	



Glass/Floor Area: 0.109      Total Proposed Modified Loads: 54.44  
 Total Baseline Loads: 57.15

**PASS**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [Signature]  
 DATE: 10-11-17

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: \_\_\_\_\_  
 DATE: \_\_\_\_\_

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.010 Qn for whole house.

## ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE INDEX\* = 95**

**The lower the Energy Performance Index, the more efficient the home.**

<p>1. New home or, addition</p> <p>2. Single-family or multiple-family</p> <p>3. No. of units (if multiple-family)</p> <p>4. Number of bedrooms</p> <p>5. Is this a worst case? (yes/no)</p> <p>6. Conditioned floor area (sq. ft.)</p> <p>7. Windows, type and area                  a) U-factor:(weighted average)                  b) Solar Heat Gain Coefficient (SHGC)                  c) Area</p> <p>8. Skylights                  a) U-factor:(weighted average)                  b) Solar Heat Gain Coefficient (SHGC)</p> <p>9. Floor type, insulation level:                  a) Slab-on-grade (R-value)                  b) Wood, raised (R-value)                  c) Concrete, raised (R-value)</p> <p>10. Wall type and insulation:                  A. Exterior:                  1. Wood frame (Insulation R-value)                  2. Masonry (Insulation R-value)                  B. Adjacent:                  1. Wood frame (Insulation R-value)                  2. Masonry (Insulation R-value)</p> <p>11. Ceiling type and insulation level                  a) Under attic                  b) Single assembly                  c) Knee walls/skylight walls                  d) Radiant barrier installed</p>	<p>1. <u>New (From Plans)</u></p> <p>2. <u>Single-family</u></p> <p>3. <u>1</u></p> <p>4. <u>3</u></p> <p>5. <u>No</u></p> <p>6. <u>2053</u></p> <p>7a. <u>0.400</u>                  7b. <u>0.200</u>                  7c. <u>224.0</u></p> <p>8a. <u>NA</u>                  8b. <u>NA</u></p> <p>9a. <u>0.0</u>                  9b. _____                  9c. _____</p> <p>10A1. <u>13.0</u>                  10A2. _____                  10B1. _____                  10B2. _____</p> <p>11a. <u>38.0</u>                  11b. _____                  11c. _____                  11d. <u>No</u></p>	<p>12. Ducts, location &amp; insulation level                  a) Supply ducts R <u>6.0</u>                  b) Return ducts R <u>6.0</u>                  c) AHU location Attic/Attic</p> <p>13. Cooling system: Capacity <u>48.0</u>                  a) Split system SEER <u>14.0</u>                  b) Single package SEER _____                  c) Ground/water source SEER/COP _____                  d) Room unit/PTAC EER _____                  e) Other _____</p> <p>14. Heating system: Capacity <u>48.0</u>                  a) Split system heat pump HSPF <u>8.2</u>                  b) Single package heat pump HSPF _____                  c) Electric resistance COP _____                  d) Gas furnace, natural gas AFUE _____                  e) Gas furnace, LPG AFUE _____                  f) Other _____</p> <p>15. Water heating system                  a) Electric resistance EF _____                  b) Gas fired, natural gas EF _____                  c) Gas fired, LPG EF <u>0.59</u>                  d) Solar system with tank EF _____                  e) Dedicated heat pump with tank EF _____                  f) Heat recovery unit HeatRec% _____                  g) Other _____</p> <p>16. HVAC credits claimed (Performance Method)                  a) Ceiling fans _____                  b) Cross ventilation <u>No</u>                  c) Whole house fan <u>No</u>                  d) Multizone cooling credit _____                  e) Multizone heating credit _____                  f) Programmable thermostat <u>No</u></p>
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\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: Rodney Wade- Ortiz City/FL Zip: Lake City, FL

## INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	Rodney Wade- Ortiz	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2053	Lot #	
Owner Name:	Rodney Wade- Ortiz	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Spann's Heating and Air INC.	Rotate Angle:	0	Street:	Rodney Wade- Ortiz
Permit Office:		Cross Ventilation:	No	County:	columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

✓	Design Location	TMY Site	Design Temp		Int Design Temp		Heating	Design	Daily Temp
			97.5 %	2.5 %	Winter	Summer	Degree Days	Moisture	Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

## BLOCKS

Number	Name	Area	Volume
1	Entire House	2053	21303

## SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Laundry	129	1161	No	0		1	Yes	Yes	Yes
2	Master Bath	80	720	No	0		1	Yes	Yes	Yes
3	Toilet	24	216	No	0		1	No	Yes	Yes
4	Closet 1	49	441	No	0		1	Yes	Yes	Yes
5	Closet 2	53	477	No	0		1	No	Yes	Yes
6	Master Bedroom	319	2871	No	0	1	1	Yes	Yes	Yes
7	Kitchen	256	3072	No	0		1	Yes	Yes	Yes
8	Great Room	686	8232	No	0		1	Yes	Yes	Yes
9	Bedroom 2	181	1629	No	0	1	1	Yes	Yes	Yes
10	Bedroom 3	189	1701	No	0	1	1	Yes	Yes	Yes
11	Bath 2	68	612	No	0		1	Yes	Yes	Yes
12	Powder	19	171	No	0		1	Yes	Yes	Yes

## FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Laundry	25.5 ft		128.8 ft <sup>2</sup>	----	0	1	0
_____	2	Slab-On-Grade Edge Insulatio	Master Bath	8 ft		80 ft <sup>2</sup>	----	0	1	0
_____	3	Slab-On-Grade Edge Insulatio	Toilet	1 ft		24 ft <sup>2</sup>	----	0	1	0
_____	4	Slab-On-Grade Edge Insulatio	Closet 1	7 ft		49 ft <sup>2</sup>	----	0	1	0
_____	5	Slab-On-Grade Edge Insulatio	Closet 2	1 ft		52.5 ft <sup>2</sup>	----	0	1	0

## INPUT SUMMARY CHECKLIST REPORT

## FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
✓	6	Slab-On-Grade Edge Insulatio	Master Bedroom	34.5 ft		318.5 ft <sup>2</sup>	----	0	1	0
✓	7	Slab-On-Grade Edge Insulatio	Kitchen	20.5 ft		256.3 ft <sup>2</sup>	----	0	1	0
✓	8	Slab-On-Grade Edge Insulatio	Great Room	33.5 ft		685.8 ft <sup>2</sup>	----	0	1	0
✓	9	Slab-On-Grade Edge Insulatio	Bedroom 2	27 ft		181.3 ft <sup>2</sup>	----	0	1	0
✓	10	Slab-On-Grade Edge Insulatio	Bedroom 3	27.5 ft		188.5 ft <sup>2</sup>	----	0	1	0
✓	11	Slab-On-Grade Edge Insulatio	Bath 2	6.5 ft		68.3 ft <sup>2</sup>	----	0	1	0
✓	12	Slab-On-Grade Edge Insulatio	Powder	9 ft		19.3 ft <sup>2</sup>	----	0	1	0

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
✓	1	Gable or Shed	Metal	2163 ft <sup>2</sup>	342 ft <sup>2</sup>	Unfinishe	0.6	No	0.4	No	0	18.4

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	300	2052 ft <sup>2</sup>	N	N

## CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	Laundry	38	Blown	129 ft <sup>2</sup>	0.1	Wood
✓	2	Under Attic (Vented)	Master Bath	38	Blown	80 ft <sup>2</sup>	0.1	Wood
✓	3	Under Attic (Vented)	Toilet	38	Blown	24 ft <sup>2</sup>	0.1	Wood
✓	4	Under Attic (Vented)	Closet 1	38	Blown	49 ft <sup>2</sup>	0.1	Wood
✓	5	Under Attic (Vented)	Closet 2	38	Blown	53 ft <sup>2</sup>	0.1	Wood
✓	6	Under Attic (Vented)	Master Bedroom	38	Blown	319 ft <sup>2</sup>	0.1	Wood
✓	7	Under Attic (Vented)	Kitchen	38	Blown	256 ft <sup>2</sup>	0.1	Wood
✓	8	Under Attic (Vented)	Great Room	38	Blown	686 ft <sup>2</sup>	0.1	Wood
✓	9	Under Attic (Vented)	Bedroom 2	38	Blown	181 ft <sup>2</sup>	0.1	Wood
✓	10	Under Attic (Vented)	Bedroom 3	38	Blown	189 ft <sup>2</sup>	0.1	Wood
✓	11	Under Attic (Vented)	Bath 2	38	Blown	68 ft <sup>2</sup>	0.1	Wood
✓	12	Under Attic (Vented)	Powder	38	Blown	19 ft <sup>2</sup>	0.1	Wood

## WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
✓	1	N	Exterior	Frame - Wood	Laundry	13	13	0	8	0	104.0 ft <sup>2</sup>	0	0.25	0.8	0
✓	2	E	Exterior	Frame - Wood	Laundry	13	4	6	8	0	36.0 ft <sup>2</sup>	0	0.25	0.8	0
✓	3	W	Exterior	Frame - Wood	Laundry	13	8	0	8	0	64.0 ft <sup>2</sup>	0	0.25	0.8	0
✓	4	W	Exterior	Frame - Wood	Master Bath	13	8	0	8	0	64.0 ft <sup>2</sup>	0	0.25	0.8	0

## INPUT SUMMARY CHECKLIST REPORT

## WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
5	W	Exterior	Frame - Wood	Closet 1	13	7	0	8	0	56.0 ft <sup>2</sup>	0	0.25	0.8	0
6	S	Exterior	Frame - Wood	Master Bedro	13	17	6	8	0	140.0 ft <sup>2</sup>	0	0.25	0.8	0
7	W	Exterior	Frame - Wood	Master Bedro	13	17	0	8	0	136.0 ft <sup>2</sup>	0	0.25	0.8	0
8	S	Exterior	Frame - Wood	Kitchen	13	20	6	12	0	246.0 ft <sup>2</sup>	0	0.25	0.8	0
9	N	Exterior	Frame - Wood	Great Room	13	26	6	12	0	318.0 ft <sup>2</sup>	0	0.25	0.8	0
10	S	Exterior	Frame - Wood	Great Room	13	7	0	12	0	84.0 ft <sup>2</sup>	0	0.25	0.8	0
11	N	Exterior	Frame - Wood	Bedroom 2	13	14	6	8	0	116.0 ft <sup>2</sup>	0	0.25	0.8	0
12	E	Exterior	Frame - Wood	Bedroom 2	13	12	6	8	0	100.0 ft <sup>2</sup>	0	0.25	0.8	0
13	E	Exterior	Frame - Wood	Bedroom 3	13	13	0	8	0	104.0 ft <sup>2</sup>	0	0.25	0.8	0
14	S	Exterior	Frame - Wood	Bedroom 3	13	14	6	8	0	116.0 ft <sup>2</sup>	0	0.25	0.8	0
15	E	Exterior	Frame - Wood	Bath 2	13	6	6	8	0	52.0 ft <sup>2</sup>	0	0.25	0.8	0
16	N	Exterior	Frame - Wood	Powder	13	5	6	8	0	44.0 ft <sup>2</sup>	0	0.25	0.8	0
17	E	Exterior	Frame - Wood	Powder	13	3	6	8	0	28.0 ft <sup>2</sup>	0	0.25	0.8	0

## DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	W	Insulated	Laundry	None	.4	3		7		21 ft <sup>2</sup>
2	N	Insulated	Great Room	None	.4	6		7		42 ft <sup>2</sup>
3	S	Insulated	Great Room	None	.4	3		7		21 ft <sup>2</sup>

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	N	1	Vinyl	Double (Clear)	Yes	0.4	0.2	N	9.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
2	W	4	Vinyl	Double (Clear)	Yes	0.4	0.2	N	6.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
3	S	6	Vinyl	Double (Clear)	Yes	0.4	0.2	N	30.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
4	W	7	Vinyl	Double (Clear)	Yes	0.4	0.2	N	30.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
5	S	8	Vinyl	Double (Clear)	Yes	0.4	0.2	N	9.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
6	N	9	Vinyl	Double (Clear)	Yes	0.4	0.2	N	30.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
7	N	9	Vinyl	Double (Clear)	Yes	0.4	0.2	N	36.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
8	S	10	Vinyl	Double (Clear)	Yes	0.4	0.2	N	14.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
9	N	11	Vinyl	Double (Clear)	Yes	0.4	0.2	N	30.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None
10	S	14	Vinyl	Double (Clear)	Yes	0.4	0.2	N	30.0 ft <sup>2</sup>	1 ft 0 in	1 ft 0 in	None	None

## INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000462	2485.4	136.44	256.6	.3814	7

**INPUT SUMMARY CHECKLIST REPORT**

**HEATING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump/	Split	HSPF:8.2	48 kBtu/hr	1	sys#1

**COOLING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	Split	SEER: 14	48 kBtu/hr	1440 cfm	0.7	1	sys#1

**HOT WATER SYSTEM**

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Propane	Tankless	Exterior	0.59	1 gal	60 gal	120 deg	None

**SOLAR HOT WATER SYSTEM**

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None			ft <sup>2</sup>		

**DUCTS**

✓	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	Heat	HVAC # Cool
✓	1	Attic	6	201 ft <sup>2</sup>	Attic	201 ft <sup>2</sup>	Proposed Qn	Great Roo	--- cfm	20.5 cfm	0.01	0.50	1	1

**TEMPERATURES**

Programable Thermostat: N		Ceiling Fans:																								
Cooling	Heating	Venting	[ ] Jan	[X] Jan	[ ] Feb	[X] Feb	[ ] Mar	[X] Mar	[ ] Apr	[X] Apr	[ ] May	[X] May	[ ] Jun	[X] Jun	[ ] Jul	[X] Jul	[ ] Aug	[X] Aug	[ ] Sep	[X] Sep	[ ] Oct	[X] Oct	[ ] Nov	[X] Nov	[ ] Dec	[X] Dec
Thermostat Schedule: HERS 2006 Reference		Hours																								
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12													
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Heating (WD)	AM	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
	PM	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68

**INPUT SUMMARY CHECKLIST REPORT**

<b>MASS</b>				
<b>Mass Type</b>	<b>Area</b>	<b>Thickness</b>	<b>Furniture Fraction</b>	<b>Space</b>
Default(8 lbs/sq.ft.	0 ft <sup>2</sup>	0 ft	0.3	Laundry
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Master Bath
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Toilet
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Closet 1
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Closet 2
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Master Bedroom
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Kitchen
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Great Room
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Bedroom 2
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Bedroom 3
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Bath 2
Default(8 lbs/sq.ft.	ft <sup>2</sup>	ft	0.3	Powder

**Name:**

**Signature:** \_\_\_\_\_

**Rating Compant:**

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



**Load Short Form**  
**Entire House**  
**Spann's Heating and Air INC.**

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, FL 32693 Phone: 3524636440 Email: spann21@bellsouth.net

**Project Information**

For: Rodney Wade- Ortiz

**Design Information**

	Htg	Clg	Method	Infiltration
Outside db (°F)	33	92		Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	10	47		

**HEATING EQUIPMENT**

Make Comfortmaker  
 Trade  
 Model N4h48  
 AHRI ref  
 Efficiency 8.2 HSPF  
 Heating input  
 Heating output 0 Btuh @ 47°F  
 Temperature rise 0 °F  
 Actual air flow 898 cfm  
 Air flow factor 0.030 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat  
 Capacity balance point = -32 °F

**COOLING EQUIPMENT**

Make Comfortmaker  
 Trade  
 Cond N4h48  
 Coil FXM448  
 AHRI ref  
 Efficiency 14 SEER  
 Sensible cooling 0 Btuh  
 Latent cooling 0 Btuh  
 Total cooling 0 Btuh  
 Actual air flow 898 cfm  
 Air flow factor 0.042 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0.88

Backup: n/a n/a  
 Input = 9 kW. Output = 30267 Btuh. 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Laundry	129	3345	1666	99	70
Master Bath	80	1014	1138	30	48
Toilet	24	28	44	1	2
Closet 1	49	751	300	22	13
Closet 2	53	61	97	2	4
Master Bedroom	319	5066	5843	150	244
Kitchen	256	3089	1623	92	68
Great Room	686	8165	6159	242	258
Bedroom 2	181	3526	1912	105	80
Bedroom 3	189	3584	2062	106	86
Bath 2	68	724	320	21	13
Powder	19	915	304	27	13

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Entire House	d	2052	30267	21469	898	898
Other equip loads			0	0		
Equip. @ 0.97 RSM				20804		
Latent cooling				3062		
TOTALS		2052	30267	23866	898	898

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



**Project Summary**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, FL 32693 Phone: 3524636440 Email: spann21@bellsouth.net

**Project Information**

For: Rodney Wade- Ortiz

Notes:

**Design Information**

Weather: Gainesville Rgnl, FL, US

**Winter Design Conditions**

Outside db 33 °F  
 Inside db 70 °F  
 Design TD 37 °F

**Summer Design Conditions**

Outside db 92 °F  
 Inside db 75 °F  
 Design TD 17 °F  
 Daily range M  
 Relative humidity 50 %  
 Moisture difference 47 gr/lb

**Heating Summary**

Structure 24978 Btuh  
 Ducts 5289 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Humidification 0 Btuh  
 Piping 0 Btuh  
 Equipment load 30267 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 14947 Btuh  
 Ducts 6522 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Blower 0 Btuh  
 Use manufacturer's data n  
 Rate/swing multiplier 0.97  
 Equipment sensible load 20804 Btuh

**Infiltration**

Method Simplified  
 Construction quality Average  
 Fireplaces 0

	Heating	Cooling
Area (ft <sup>2</sup> )	2052	2052
Volume (ft <sup>3</sup> )	20184	20184
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	108	54

**Latent Cooling Equipment Load Sizing**

Structure 1707 Btuh  
 Ducts 1355 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Equipment latent load 3062 Btuh  
**Equipment Total Load (Sen+Lat)** 23866 Btuh  
 Req. total capacity at 0.43 SHR 4.0 ton

**Heating Equipment Summary**

Make Comfortmaker  
 Trade  
 Model N4h48  
 AHRI ref

Efficiency 8.2 HSPF  
 Heating input  
 Heating output 0 Btuh @ 47°F  
 Temperature rise 0 °F  
 Actual air flow 898 cfm  
 Air flow factor 0.030 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat  
 Capacity balance point = -32 °F  
 Backup: n/a n/a  
 Input = 9 kW, Output = 30267 Btuh, 100 AFUE

**Cooling Equipment Summary**

Make Comfortmaker  
 Trade  
 Cond N4h48  
 Coil FXM448  
 AHRI ref

Efficiency 14 SEER  
 Sensible cooling 0 Btuh  
 Latent cooling 0 Btuh  
 Total cooling 0 Btuh  
 Actual air flow 898 cfm  
 Air flow factor 0.042 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0.88

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



**Right-J® Worksheet**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1		Room name		Entire House						Laundry				
2		Exposed wall		9.8 ft						25.5 ft				
3		Room height		d						8.0 ft				
4		Room dimensions		2052.0 ft²						1.0 x 128.8 ft				
5		Room area								128.8 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	582	435	1449	964	104	95	316	211
	G	1D-c2ov	0.570	n	20.86	21.29	9	0	188	192	9	0	188	192
	G	1D-c2ov	0.570	n	20.86	21.29	60	0	1252	1277	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	36	0	751	766	0	0	0	0
11	D	11J0	0.600	n	21.96	17.61	42	42	922	740	0	0	0	0
	W	12C-0sw	0.091	e	3.33	2.22	320	320	1066	709	36	36	120	80
	W	12C-0sw	0.091	s	3.33	2.22	586	482	1605	1068	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.29	9	9	188	192	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.73	60	53	1252	1304	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	22.66	14	9	292	317	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	21	21	461	370	0	0	0	0
	W	12C-0sw	0.091	w	3.33	2.22	320	263	876	583	64	43	143	95
	G	1D-c2ov	0.570	w	20.86	63.38	6	0	125	380	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	30	0	626	1901	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	21	21	461	370	21	21	461	370
	C	16B-38md	0.026	-	0.95	1.37	2052	2052	1953	2820	129	129	123	177
	F	22A-tp1	0.989	-	36.20	0.00	2052	199	7203	0	129	26	923	0
6	c) AED excursion									0				-76
	Envelope loss/gain								20670	13952			2274	1048
12	a) Infiltration								4308	995			486	112
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								24978	14947			2760	1160
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								24978	14947			2760	1160
15	Duct loads						21%	44%	5289	6522	21%	44%	584	506
	Total room load								30267	21469			3345	1666
	Air required (cfm)								898	898			99	70

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1 2 3 4 5	Room name				Master Bath				Toilet					
	Exposed wall				8.0 ft				0 ft					
	Room height				8.0 ft				8.0 ft					
Room dimensions				10.0 x 8.0 ft				3.0 x 8.0 ft						
Room area				80.0 ft²				24.0 ft²						
6	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6 11	W	12C-0sw	0.091	n	3.33	2.22	0	0	0	0	0	0	0	0
		G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
		G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0
	D	11J0	0.600	n	21.96	17.61	0	0	0	0	0	0	0	0
		D	12C-0sw	0.091	e	3.33	2.22	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.33	2.22	0	0	0	0	0	0	0	0
		G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.73	0	0	0	0	0	0	0	0
		G	1D-c2ov	0.570	s	20.86	22.66	0	0	0	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	0	0	0	0	0	0	0	0
		D	12C-0sw	0.091	w	3.33	2.22	64	58	193	129	0	0	0
	W	1D-c2ov	0.570	w	20.86	63.38	6	0	125	380	0	0	0	0
		G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0	0
		D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0
	C	16B-38md	0.026	-	0.95	1.37	80	80	76	110	24	24	23	33
F		22A-tp1	0.989	-	36.20	0.00	80	8	290	0	24	0	0	
6	c) AED excursion								138				-2	
	Envelope loss/gain								684	757			23	31
12	a) Infiltration								153	35			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		0			0	0			0	0
			Appliances/other						0	0			0	0
	Subtotal (lines 6 to 13)								837	792			23	31
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								837	792			23	31
15	Duct loads						21%	44%	177	346	21%	44%	5	14
	Total room load								1014	1138			28	44
	Air required (cfm)								30	48			1	2

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
**Spann's Heating and Air INC.**

**Job:** Rodney Wade- Ortiz  
**Date:** Oct 11, 2019  
**By:**

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1 Room name				Closet 1				Closet 2						
2 Exposed wall				7.0 ft				0 ft						
3 Room height				8.0 ft				8.0 ft						
4 Room dimensions				7.0 x 7.0 ft				7.5 x 7.0 ft						
5 Room area				49.0 ft²				52.5 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
11	D	11J0	0.600	n	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	3.33	2.22	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.73	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	22.66	0	0	0	0	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.33	2.22	56	56	187	124	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0	0
	C	16B-38md	0.026	-	0.95	1.37	49	49	47	67	53	53	50	72
	F	22A-1pl	0.989	-	36.20	0.00	49	7	253	0	53	0	0	0
6	c) AED excursion									-14				-4
	Envelope loss/gain								487	178			50	68
12	a) Infiltration								133	31			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								620	209			50	68
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								620	209			50	68
15	Duct loads						21%	44%	131	91	21%	44%	11	30
	Total room load								751	300			61	97
	Air required (cfm)								22	13			2	4

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1		Room name		Master Bedroom				Kitchen						
2		Exposed wall		34.5 ft				20.5 ft						
3		Room height		8.0 ft				12.0 ft						
4		Room dimensions		1.0 x 318.5 ft				20.5 x 12.5 ft						
5		Room area		318.5 ft²				256.3 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
11	D	11J0	0.600	n	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	3.33	2.22	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.33	2.22	140	110	366	244	246	237	789	525
	G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0	9	9	188	192
	G	1D-c2ov	0.570	s	20.86	21.73	30	26	626	652	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	22.66	0	0	0	0	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.33	2.22	136	106	353	235	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	30	0	626	1901	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0	0
	C	16B-38md	0.026	-	0.95	1.37	319	319	303	438	256	256	244	352
	F	22A-tpl	0.989	-	36.20	0.00	319	35	1249	0	256	21	742	0
6	c) AED excursion								446					-74
	Envelope loss/gain								3523	3916			1963	995
12	a) Infiltration								658	152			586	135
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								4181	4068			2549	1130
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								4181	4068			2549	1130
15	Duct loads						21%	44%	885	1775	21%	44%	540	493
	Total room load								5066	5843			3089	1623
	Air required (cfm)								150	244			92	68

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1 2 3 4 5	Room name		Great Room						Bedroom 2					
	Exposed wall		12.0 ft			33.5 ft			8.0 ft			27.0 ft		
	Room height		1.0			x 685.8 ft			14.5			x 12.5 ft		
Room dimensions		685.8 ft²						181.3 ft²						
Room area														
6	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	318	210	699	465	116	86	286	191
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	30	0	626	639	30	0	626	639
	G	1D-c2ov	0.570	n	20.86	21.29	36	0	751	766	0	0	0	0
11	D	11J0	0.600	n	21.96	17.61	42	42	922	740	0	0	0	0
	W	12C-0sw	0.091	e	3.33	2.22	0	0	0	0	100	100	333	222
	W	12C-0sw	0.091	s	3.33	2.22	84	49	163	109	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.73	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	22.66	14	9	292	317	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	21	21	461	370	0	0	0	0
	W	12C-0sw	0.091	w	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0	0
	C	16B-38md	0.026	-	0.95	1.37	686	686	653	942	181	181	172	249
	F	22A-1pl	0.989	-	36.20	0.00	686	34	1213	0	181	27	977	0
6	c) AED excursion									-281				-87
	Envelope loss/gain								5780	4067			2395	1213
12	a) Infiltration								958	221			515	119
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								6738	4288			2910	1331
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								6738	4288			2910	1331
15	Duct loads						21%	44%	1427	1871	21%	44%	616	581
	Total room load								8165	6159			3526	1912
	Air required (cfm)								242	258			105	80

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
 Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

1		Room name				Bedroom 3				Bath 2				
2		Exposed wall				27.5 ft				6.5 ft				
3		Room height				8.0 ft				8.0 ft				
4		Room dimensions				14.5 x 13.0 ft				10.5 x 6.5 ft				
5		Room area				188.5 ft²				68.3 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0	0	0	0	0
11	D	11J0	0.600	n	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	3.33	2.22	104	104	346	230	52	52	173	115
	W	12C-0sw	0.091	s	3.33	2.22	116	86	286	191	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	21.73	30	26	626	652	0	0	0	0
	G	1D-c2ov	0.570	s	20.86	22.66	0	0	0	0	0	0	0	0
	D	11J0	0.600	s	21.96	17.61	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.33	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0	0	0	0	0
	D	11J0	0.600	w	21.96	17.61	0	0	0	0	0	0	0	0
	C	16B-38md	0.026	-	0.95	1.37	189	189	179	259	68	68	65	94
	F	22A-1pl	0.989	-	36.20	0.00	189	28	995	0	68	7	235	0
6	c) AED excursion									-17				-15
	Envelope loss/gain								2433	1315			473	194
12	a) Infiltration								524	121			124	29
	b) Room ventilation								0	0			0	0
13	Internal gains:				Occupants @	230	0			0	0			0
					Appliances/other					0				0
	Subtotal (lines 6 to 13)								2958	1436			597	223
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								2958	1436			597	223
15	Duct loads						21%	44%	626	626	21%	44%	126	97
	Total room load								3584	2062			724	320
	Air required (cfm)								106	86			21	13

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

**Right-J® Worksheet**  
**Entire House**  
**Spann's Heating and Air INC.**

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, Fl 32693 Phone: 3524636440 Email: spann21@bellsouth.net

		Powder												
1	Room name	8.0 ft		9.0 ft										
2	Exposed wall	5.5		x 3.5										
3	Room height	19.3 ft <sup>2</sup>		heat/cool										
4	Room dimensions													
5	Room area													
	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> ·°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.33	2.22	44	44	147	97				
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0				
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0				
	G	1D-c2ov	0.570	n	20.86	21.29	0	0	0	0				
11	D	11J0	0.600	n	21.96	17.61	0	0	0	0				
	W	12C-0sw	0.091	e	3.33	2.22	28	28	93	62				
	W	12C-0sw	0.091	s	3.33	2.22	0	0	0	0				
	G	1D-c2ov	0.570	s	20.86	21.29	0	0	0	0				
	G	1D-c2ov	0.570	s	20.86	21.73	0	0	0	0				
	G	1D-c2ov	0.570	s	20.86	22.66	0	0	0	0				
	D	11J0	0.600	s	21.96	17.61	0	0	0	0				
	W	12C-0sw	0.091	w	3.33	2.22	0	0	0	0				
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0				
	G	1D-c2ov	0.570	w	20.86	63.38	0	0	0	0				
	D	11J0	0.600	w	21.96	17.61	0	0	0	0				
	C	16B-38md	0.026	-	0.95	1.37	19	19	18	26				
	F	22A-tp	0.989	-	36.20	0.00	19	9	326	0				
6	c) AED excursion									-14				
	Envelope loss/gain								584	172				
12	a) Infiltration								172	40				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								755	212				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								755	212				
15	Duct loads						21%	44%	160	92				
	Total room load								915	304				
	Air required (cfm)								27	13				

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



# Residential Plans Examiner Review Form for HVAC System Design (Loads, Equipment, Ducts)

Form  
RPER 1  
15 Mar 09

### Header Information

Contractor: **Spann's Heating and Air INC.**  
 Mechanical license: **Jack Spann**  
 Building plan #: \_\_\_\_\_  
 Home address (Street or Lot#, Block, Subdivision): **, Entire House**

REQUIRED ATTACHMENTS	ATTACHED	
Manual J1 Form (and supporting worksheets):	Yes <input type="checkbox"/>	No <input type="checkbox"/>
or MJ1AE Form* (and supporting worksheets):	Yes <input type="checkbox"/>	No <input type="checkbox"/>
OEM performance data (heating, cooling, blower):	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Manual D Friction Rate Worksheet:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duct distribution sketch:	Yes <input type="checkbox"/>	No <input type="checkbox"/>

## HVAC LOAD CALCULATION (IRC M1401.3)

### Design Conditions

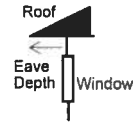
**Winter Design Conditions**  
 Outdoor temperature: **33 °F**  
 Indoor temperature: **70 °F**  
 Total heat loss: **30267 Btuh**

**Summer Design Conditions**  
 Outdoor temperature: **92 °F**  
 Indoor temperature: **75 °F**  
 Grains difference: **47 gr/lb @50% RH**  
 Sensible heat gain: **22156 Btuh**  
 Latent heat gain: **3160 Btuh**  
 Total heat gain: **25316 Btuh**

### Building Construction Information

**Building**  
 Orientation: **Front Door faces North**  
North, East, West, South, Northeast, Northwest, Southeast, Southwest  
 Number of bedrooms: **0**  
 Conditioned floor area: **2052 ft²**  
 Number of occupants: **0**

**Windows**  
 Eave overhang depth: **1.0 ft**  
 Internal shade: **none**  
Blinds, drapes, etc.  
 Number of skylights: **0**



## HVAC EQUIPMENT SELECTION (IRC M1401.3)

### Heating Equipment Data

Equipment type: **Split ASHP**  
Furnace, Heat pump, Boiler, etc.  
 Model: **Comfortmaker**  
**N4h48+FXM448**  
 Heating output capacity: **0 Btuh**  
Heat pumps - capacity at winter design outdoor conditions  
 Aux. heating output capacity: **30267 Btuh**

### Cooling Equipment Data

Equipment type: **Split ASHP**  
Air Conditioner, Heat pump, etc.  
 Model: **Comfortmaker**  
**N4h48+FXM448**  
 Total cooling capacity: **0 Btuh**  
 Sensible cooling capacity: **0 Btuh**  
 Latent cooling capacity: **0 Btuh**

### Blower Data

Heating cfm: **898**  
 Cooling cfm: **898**  
 Static pressure: **0 in H2O**  
Fan's rated external static pressure for design airflow

## HVAC DUCT DISTRIBUTION SYSTEM DESIGN (IRC M1601.1)

Design airflow: <b>898 cfm</b>	Longest supply duct: <b>320 ft</b>	Duct Materials Used
Equipment design ESP: <b>0 in H2O</b>	Longest return duct: <b>0 ft</b>	Trunk duct: <b>Fiberglass board</b>
Total device pressure losses: <b>0 in H2O</b>	Total effective length (TEL): <b>320 ft</b>	Branch duct: <b>Round fiberglass</b>
Available static pressure (ASP): <b>0 in H2O</b>	Friction rate: <b>0 in/100ft</b> <small>Friction Rate = ASP + (TEL x 100)</small>	

I declare the load calculation, equipment, equipment selection and duct design were rigorously performed based on the building plan listed above. I understand the claims made on these forms will be subject to review and verification.

Contractor's printed name: \_\_\_\_\_  
 Contractor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Reserved for County, Town Municipality or Authority having jurisdiction use.  
 \*Home qualifies for MJ1AE Form based on Abridged Edition Checklist



# Duct System Summary

## Entire House

### Spann's Heating and Air INC.

Job: Rodney Wade- Ortiz  
 Date: Oct 11, 2019  
 By:

16051 NW 30th Ave, Trenton, FL 32693 Phone: 3524636440 Email: spann21@bellsouth.net

## Project Information

For: Rodney Wade- Ortiz

	Heating	Cooling
External static pressure	0 in H2O	0 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	0 in H2O	0 in H2O
Supply / return available pressure	0.000 / 0.000 in H2O	0.000 / 0.000 in H2O
Lowest friction rate	0 in/100ft	0 in/100ft
Actual air flow	898 cfm	898 cfm
Total effective length (TEL)		320 ft

## Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bath 2	h 320	21	13	0	<b>5.0</b>	<b>0x0</b>	RdFg	44.7	275.0	st2
Bedroom 2	h 1912	105	80	0	<b>7.0</b>	<b>0x0</b>	RdFg	50.0	265.0	st2
Bedroom 3	h 2062	106	86	0	<b>7.0</b>	<b>0x0</b>	RdFg	47.0	265.0	st2
Closet 1	h 300	22	13	0	<b>5.0</b>	<b>0x0</b>	RdFg	12.3	160.0	st1
Closet 2	c 97	2	4	0	<b>5.0</b>	<b>0x0</b>	RdFg	11.8	225.0	st3
Great Room-A	c 6159	242	258	0	<b>8.0</b>	<b>0x0</b>	RdFg	27.2	285.0	st2
Kitchen	h 1623	92	68	0	<b>8.0</b>	<b>0x0</b>	RdFg	23.2	295.0	st2
Laundry	h 1666	99	70	0	<b>6.0</b>	<b>0x0</b>	RdFg	19.3	225.0	st3
Master Bath	c 1138	30	48	0	<b>6.0</b>	<b>0x0</b>	RdFg	9.2	160.0	st1
Master Bedroom-A	c 5843	150	244	0	<b>8.0</b>	<b>0x0</b>	RdFg	15.6	225.0	st2
Powder	h 304	27	13	0	<b>5.0</b>	<b>0x0</b>	RdFg	19.7	225.0	st1
Toilet	c 44	1	2	0	<b>5.0</b>	<b>0x0</b>	RdFg	8.0	160.0	st1

## Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st2	Peak AVF	717	750	0	0	0	8 x 0	RectFbg	st1
st1	Peak AVF	898	898	0	0	0	8 x 0	RectFbg	st1
st3	Peak AVF	101	74	0	0	0	8 x 0	RectFbg	st1

*Bold/italic values have been manually overridden*

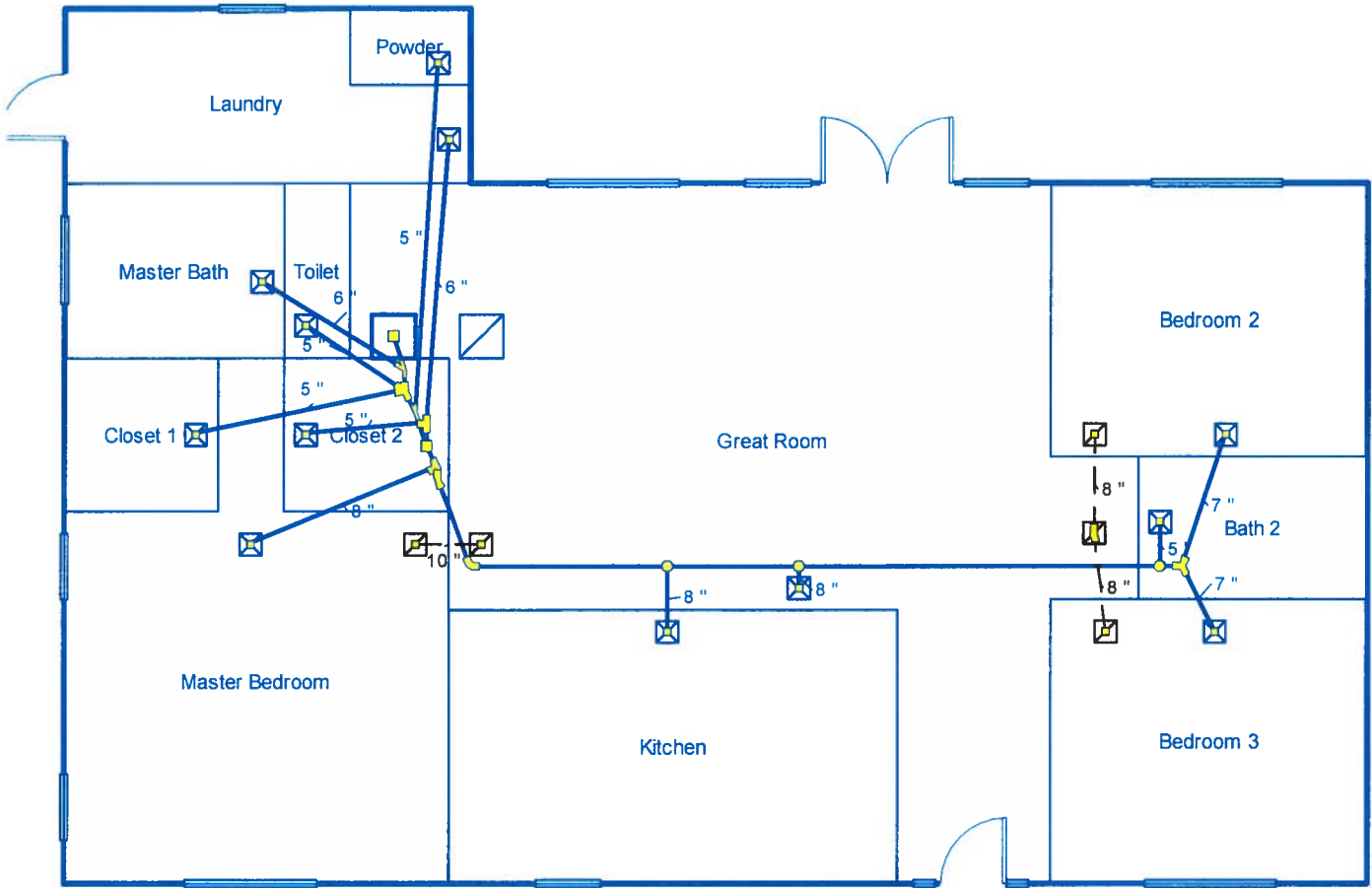


## Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	898	898	0	0	0	0	0x 0		RdFg	



Level 2



A/C Register locations to be determined. Registers may be moved due to trusses, dead wood, lights, fire alarms, and etc..

**Job #: Rodney Wade- Ortiz**  
Performed for:  
Rodney Wade- Ortiz

**Spann's Heating and Air INC.**

16051 NW 30th Ave  
Trenton, FL 32693  
Phone: 3524636440  
spann21@bellsouth.net

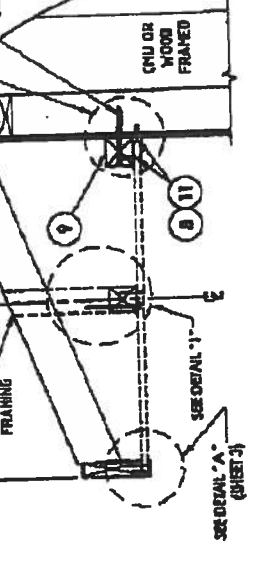
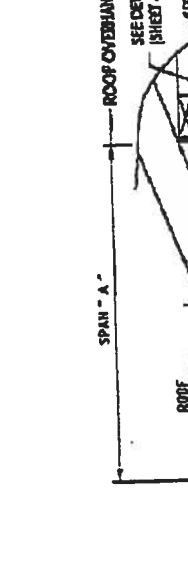
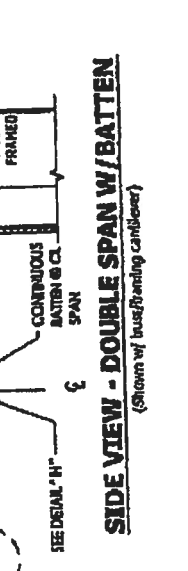
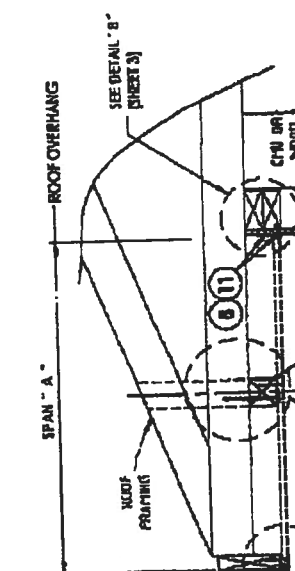
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Right-Suite® Universal 2018  
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...soft HVAC\Rodney Wade- Ortiz.rup

**REVISIONS**  
 NO. DATE BY  
 1 2/21/08 ADD DETAILS JPK  
 2 3/27/10 UPDATE FOR 2010 IBC JPK  
 3 12/13/11 UPDATE FOR 2010 IBC JPK  
 4 1/9/12 JPK  
 5 1/9/12 JPK  
 6 1/9/12 JPK  
 7 1/9/12 JPK  
 8 1/9/12 JPK  
 9 1/9/12 JPK  
 10 1/9/12 JPK  
 11 1/9/12 JPK

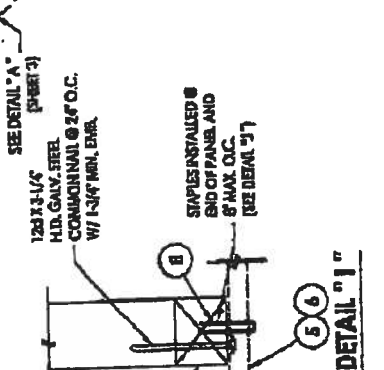
**PROJECT**  
 ALUMINUM SOFFIT  
 PART OR ASSEMBLY  
 SOFFIT DETAILS DESIGN  
 PRESSURES & BILL OF MATERIALS

Prepared by: *Mr. J. W. Smith*  
 Checked by: *Mr. J. W. Smith*  
 Date: 10/28/2015



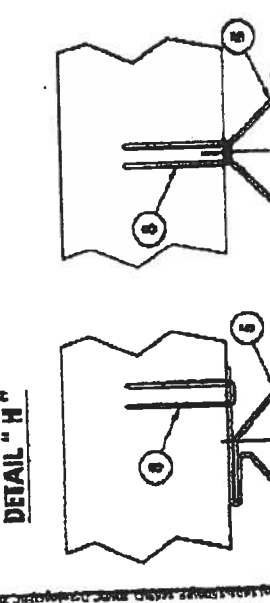
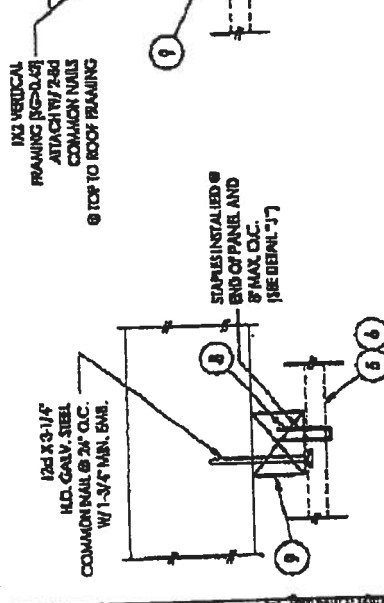
**SIDE VIEW - DOUBLE SPAN W/BATTEN**  
(shown w/ Insulating Camber)

ITEM	DESCRIPTION	MATERIAL
1	FASCIA 1/2" THK. AL. 3105 - H14	ALUMINUM
2	"F" CHANNEL .0155" THK. AL. 3105 - H24	ALUMINUM
3	"F" CHANNEL .0155" THK. AL. 3104 - H19	ALUMINUM
5	GRID # PANEL (.0115 OR .0135" THK) AL. 3105	ALUMINUM
6	TRIPLE # PANEL (.0115 OR .0135" THK) AL. 3105	ALUMINUM
7	#15 x 1-3/4" TRIM NAIL	S.S.
8	1/8" GA. X 1/4" SS STAPLE (W/ 7/8" MIN. EMBEDMENT)	STEEL
9	2" X 2" BATTEN STRIP 3/4" x 1/2" OR BETTER	WOOD
10	#16 B.C. GROUP 1 EXL 16X2" PLYWOOD OR BETTER	WOOD
11	#17 DIA. 3" NAIL (W/ 5/8" MIN. EMBEDMENT)	STEEL



HEIGHT	+70.0	-70.0	-81.5	-90.0	-94.5	-100.0
16"						
18"						
20"						
22"						
24"						

NOTE:  
 1. WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD.  
 2. 1/2" COMMON NAIL @ 24" O.C. W/ 1-3/4" MIN. EMBEDMENT @ 2" ON CENTER



NOTE:  
 1. WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD.  
 2. 1/2" COMMON NAIL @ 24" O.C. W/ 1-3/4" MIN. EMBEDMENT @ 2" ON CENTER

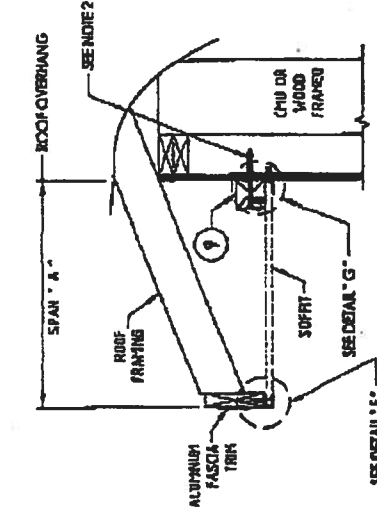
ALUMINUM SOFFIT  
PARTS ASSEMBLY  
SOFFIT DETAILS  
DESIGN PRESSURE

REVISIONS

NO.	DATE	DESCRIPTION
1	5/21/08	ADD DETAILS
2	5/21/08	ADD DETAILS
3	12/13/11	UPDATE FOR 2010 FBC

DATE: 1/3/09  
DRAWN: N.T.S.  
CHECKED: J.K.  
SCALE: 1/8" = 1'-0"  
PROJECT NO.: FL-12016.1  
SHEET: 4 OF 5

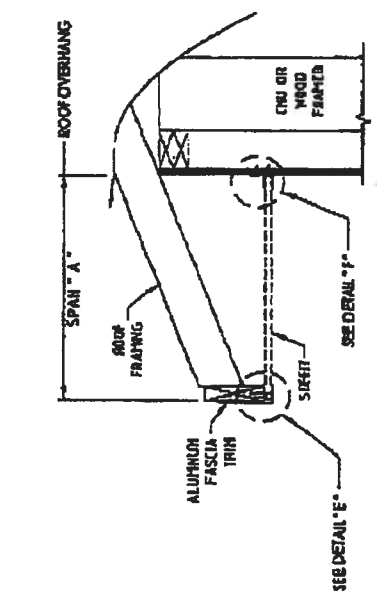
BUILDING CONSULTANTS, INC.  
P.O. Box 520, Victoria, B.C. V8B 2Y7  
Phone: (250) 853-8888, 853-8787  
Fax: (250) 853-8888, 853-8787  
Toronto: Board of Architecture No. 9515  
London: P. Schmidt, P.E. No. 42490



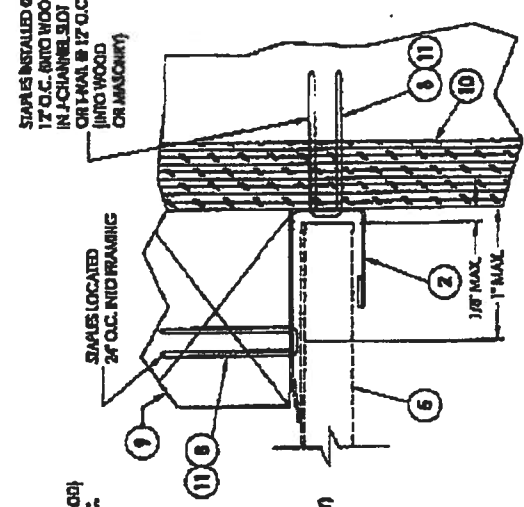
SPAN LENGTH	MIN. OVERHANG	MIN. OVERHANG
8'	+70.0	-141.0
10'	+60.0	-60.0
12'	+50.0	-50.0
14'	+38.5	-38.5
16'	+30.0	-30.0

NOTE:  
1. WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD.  
2. USE CORNER NAIL OR 3/16" TRIV CONCRETE SCREW WITH 1-1/4" EMBEDMENT @ 24" ON CENTER.

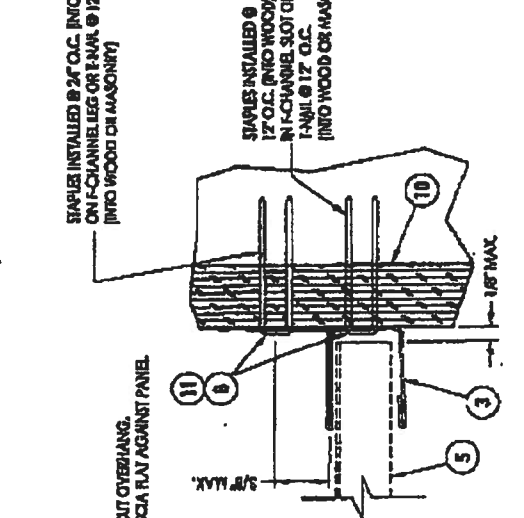
**SIDE VIEW - SINGLE SPAN W/J-CHANNEL**  
(Shown w/ busframing overhang)



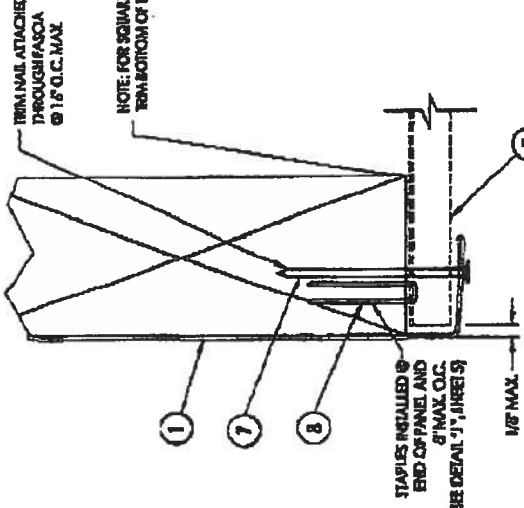
**SIDE VIEW - SINGLE SPAN W/F-CHANNEL**  
(Shown w/ busframing overhang)



**DETAIL "G"**  
J-Channel



**DETAIL "F"**  
F-Channel



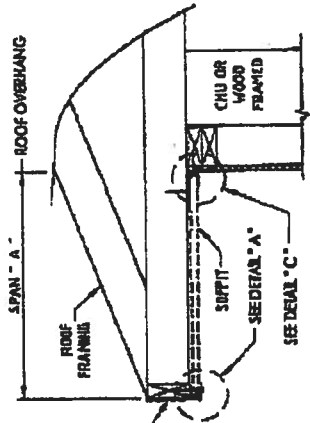
**DETAIL "E"**  
Fascia

**PROJECT:** ALUMINUM SOFFIT  
**DATE:** 12/15/11  
**SCALE:** N.T.S.  
**DATE:** 1/9/09  
**SCALE:** N.T.S.  
**DATE:** 3/21/09  
**SCALE:** N.T.S.  
**DATE:** 12/15/11  
**SCALE:** N.T.S.  
**DATE:** 12/15/11  
**SCALE:** N.T.S.

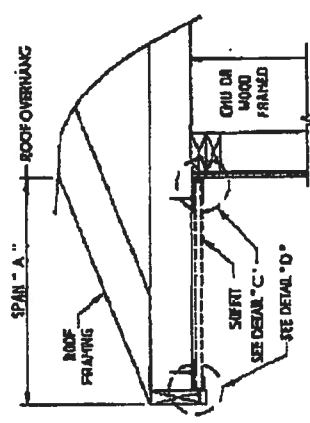
**REVISIONS:**  
 1. 12/15/11 UPGRADE FOR 2010 PBC  
 2. 3/21/09 ADD DETAILS  
 3. 1/9/09

**DESIGN PRESSURES & SOFFIT DETAILS & PART OR ASSEMBLY:**  
 1. 12/15/11  
 2. 3/21/09  
 3. 1/9/09

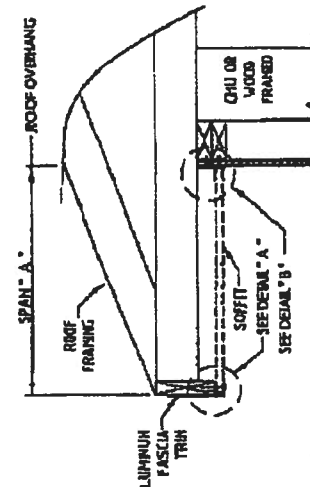
**DOCUMENTS PREPARED BY:**  
 P.O. Box 250 Weldon, N.C. 27580  
 P.O. Box 250 Weldon, N.C. 27580  
 12/15/11



**SIDE VIEW - SINGLE SPAN W/P-CHANNEL**  
(Shown w/ supporting cantilever)



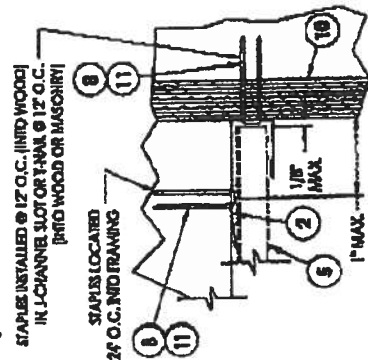
**SIDE VIEW - SINGLE SPAN W/J-CHANNELS**  
(Shown w/ supporting cantilever)



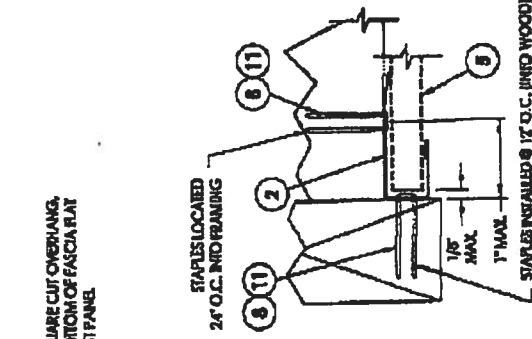
**SIDE VIEW - SINGLE SPAN W/J-CHANNEL**  
(Shown w/ supporting cantilever)

SPAN	+70.0	-141.0	-60.0	-50.0	+38.5	-38.5	-30.0
4'							
10'							
12'							
14'							
16'							

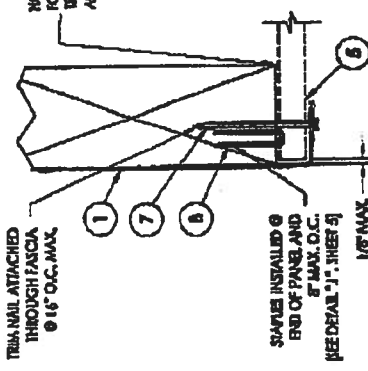
NOTE: WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER ON RECORD



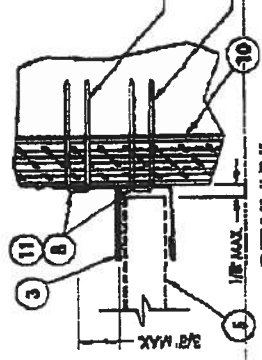
**DETAIL "C"**  
J-Channel



**DETAIL "D"**  
J-Channel Fascia



**DETAIL "A"**  
Fascia



**DETAIL "B"**  
P-Channel



Plans # 15485

FL # 12019



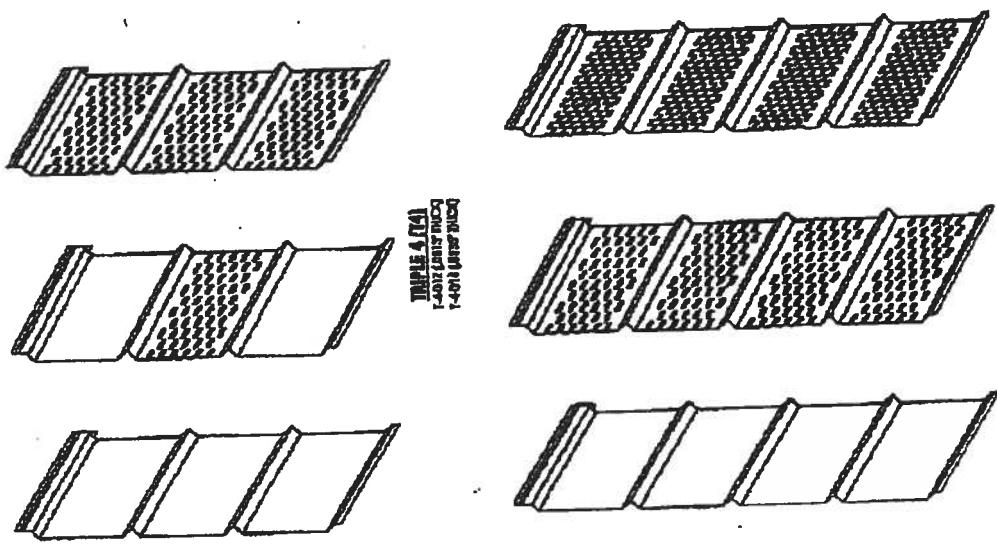
5140 West Cillon Street  
Tampa, FL 33634

"TRIPLE 4" & "QUAD 4"  
ALUMINUM SOFFIT

GENERAL NOTES

1. This product has been evaluated and is in compliance with the Florida Building Code excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. Site conditions not covered by this drawing are subject to further engineering analysis.
4. Wood/CMU wall construction, by others, must be designed properly to receive loads from the soffit and/or 2' x 2' batten strips.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations & general notes
2	Panel details
3	Soffit details & design pressures
4	Soffit details & design pressures
5	Soffit details, design pressures & bill of materials



PRODUCT: ALUMINUM SOFFIT PART OR ASSORTY: _____ TYPICAL ELEVATIONS & GENERAL NOTES: _____ REVISIONS: _____ NO. DATE: _____ DRAWN BY: _____ CHECKED BY: _____ DATE: _____ SCALE: _____ SHEET: 1 OF 5 PROJECT NO.: FL-19019.1	
BUILDING CONSTRUCTION, INC. 1000 W. SPRING ST., SUITE 100, TAMPA, FL 33606 PHONE: 813-288-1100 FAX: 813-288-1101 WWW: WWW.BUILDINGCONSTRUCTION.COM	



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

RE: 2133455 - WCH - ORTIZ RES.

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

**Site Information:**

Customer Info: Wade Custom Homes    Project Name: Ortiz Res.    Model: Custom  
 Lot/Block: 2    Subdivision: Meadowlands  
 Address: N/A, N/A  
 City: Columbia Cty    State: FL

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

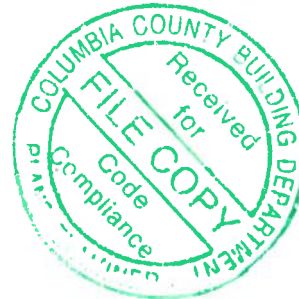
Name:    License #:  
 Address:    State:  
 City:

**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 13 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.

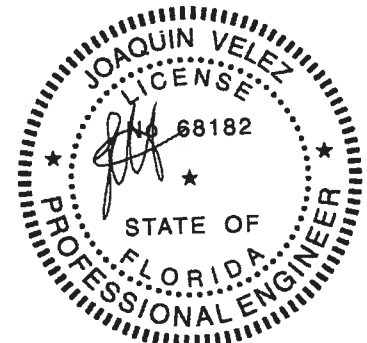
No.	Seal#	Truss Name	Date
1	T18391448	PB01	10/16/19
2	T18391449	PB01G	10/16/19
3	T18391450	T01	10/16/19
4	T18391451	T01G	10/16/19
5	T18391452	T02	10/16/19
6	T18391453	T02G	10/16/19
7	T18391454	T03	10/16/19
8	T18391455	T03G	10/16/19
9	T18391456	V01	10/16/19
10	T18391457	V02	10/16/19
11	T18391458	V03	10/16/19
12	T18391459	V04	10/16/19
13	T18391460	V05	10/16/19



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: Velez, Joaquin  
 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.

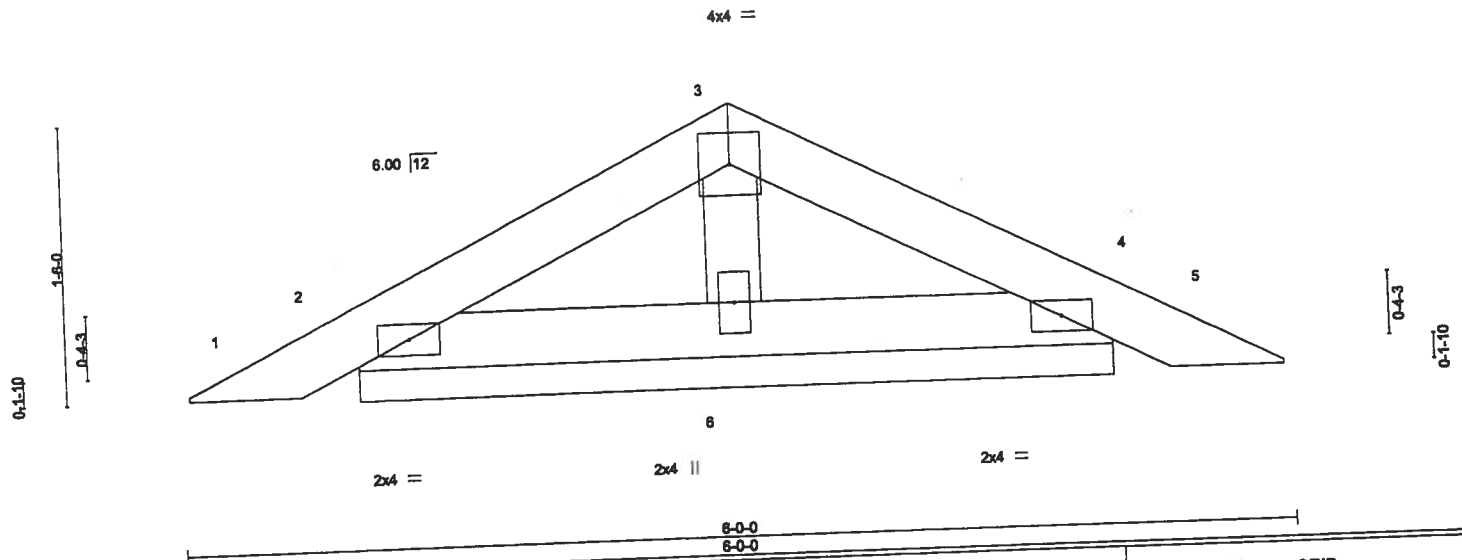


Joaquin Velez PE No. 68182  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

October 16, 2019

Job 2133455	Truss PB01	Truss Type Piggyback	Qty 13	Ply 1	WCH - ORTIZ RES.	T18391448
Builders FirstSource, Jacksonville, FL - 32244,		Job Reference (optional)				
8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Oct 16 11:18:07 2019 Page 1						
ID:BdOFrdQ122jR1Mb5pLe1CzwohK-9NR9ZF9cAplPKqAeDnKkxrE43A4YsF4y5rP4ySs5_						
3-0-0		3-0-0		6-0-0		
3-0-0		3-0-0		6-0-0		

Scale: 1"=1'



<b>LOADING (psf)</b>	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.04	Vert(LL) 0.00 4 n/r 120		
BCLL 0.0	Lumber DOL 1.25	WB 0.02	Vert(CT) 0.00 5 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a	Weight: 17 lb	FT = 20%
	Code FBC2017/TPI2014				

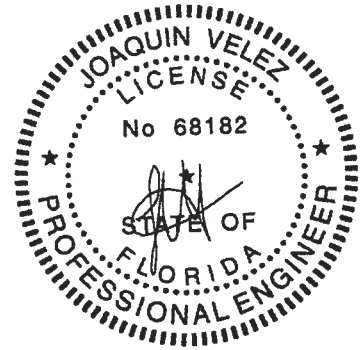
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 2=114/4-0-14, 4=114/4-0-14, 6=141/4-0-14  
Max Horz 2=28(LC 12)  
Max Uplift 2=63(LC 12), 4=69(LC 13), 6=29(LC 12)

**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; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=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
  - Gable requires continuous bottom chord bearing.
  - 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, 4, 6.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Joaquin Velez PE No.68182  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date: October 16, 2019

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

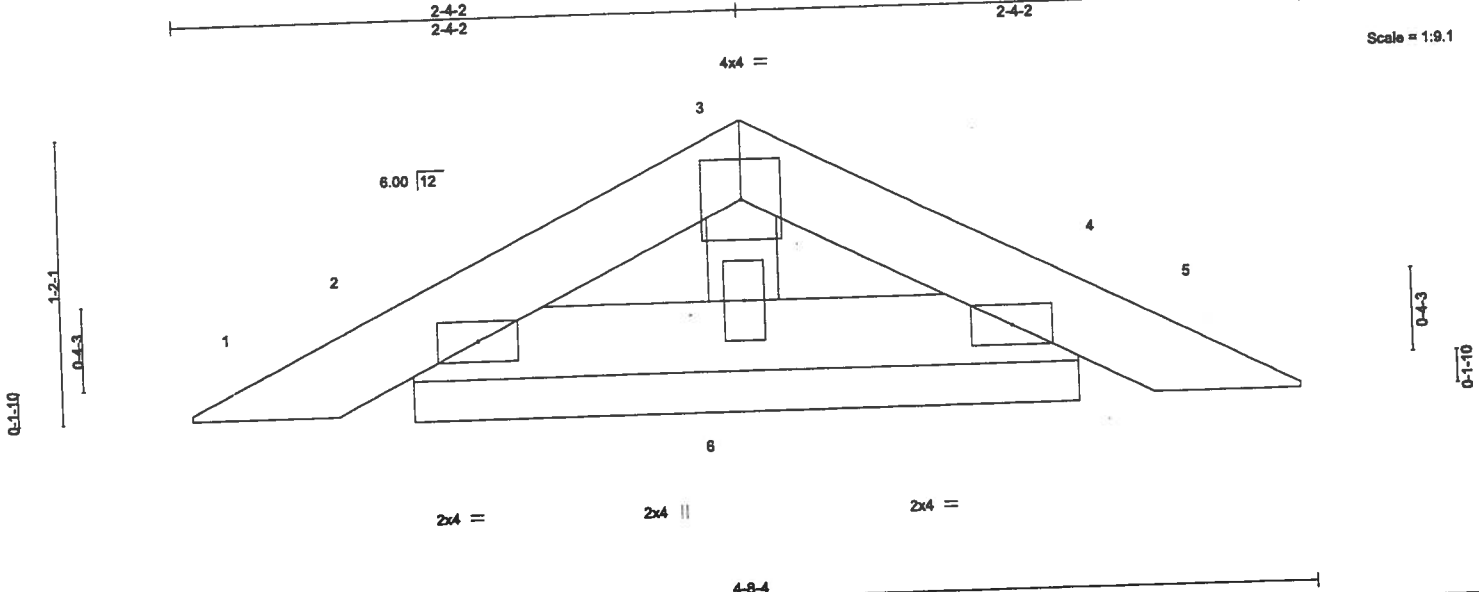
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 ANSITPPI Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job 2133455	Truss PB01G	Truss Type PIGGYBACK	Qty 2	Ply 1	WCH - ORTIZ RES. Job Reference (optional)	T18391449
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 e Jul 14 2019 MiTek Industries, Inc. Wed Oct 16 11:18:08 2019 Page 1  
ID: BdOfrdQ122JR1Mb5pLe1CzwohK-dZ7XnbAEx7QGyz9NCxJZG9NQOTVfGJgExcqPxWySe4z



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	Vdefl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.03	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	-0.00	4	n/r	120		
BCLL 0.0	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-P						Weight: 12 lb	FT = 20%

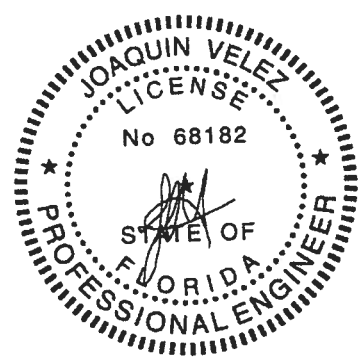
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 2=91/2-9-2, 4=91/2-9-2, 6=89/2-9-2  
Max Horz 2=21(LC 12)  
Max Uplift 2=53(LC 12), 4=57(LC 13), 6=15(LC 12)


**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; TCDL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp C; 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
  - Gable requires continuous bottom chord bearing.
  - 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, 4, 6.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Joaquin Velez PE No.68182  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

October 16, 2019

<p><b>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</b>  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 webs 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 ANSITPH Quality Criteria, DSB-59 and BCS1 Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	 <p>6904 Parke East Blvd.  Tampa, FL 33610</p>
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Job 2133455	Truss T01	Truss Type Common	Qty 9	Ply 1	WCH - ORTIZ RES.	T18391450
Builders FirstSource, Jacksonville, FL - 32244,		Job Reference (optional)				8,240 s Jul 14 2019 MITek Industries, Inc. Wed Oct 16 11:18:09 2019 Page 1
		ID: BdoFrdQ12ZjR1Mb5Pls1CxzwohK-GYv_xAslRY7a7kZmeqopMwSate?7dZN9GayTzySs4y				26-8-0 33-7-1 39-8-0 40-8-0
		1-0-0 6-0-15 13-0-0 19-10-0 26-8-0 33-7-1 39-8-0 40-8-0				1-0-0 6-11-1 6-10-0 6-10-0 6-11-1 6-0-15 1-0-0

Scale = 1:73.4

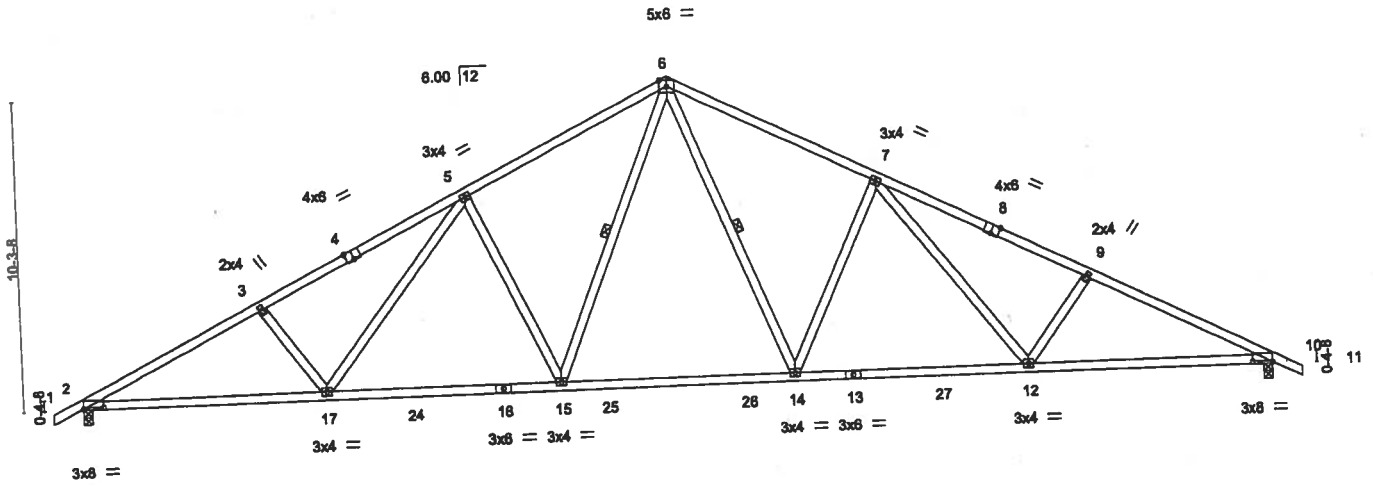


Plate Offsets (X,Y)	[2:0-8-0,0-0-8], [4:0-3-0,Edge], [8:0-3-0,Edge], [10:0-8-0,0-0-7]
---------------------	---

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 0.64	Vert(LL)	-0.25 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.44 14-15	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.13 10	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS					Weight: 214 lb	FT = 20%

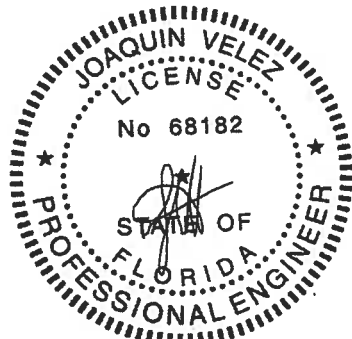
**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-3-1 oc bracing.  
 WEBS 1 Row at midpt 6-14, 6-15

**REACTIONS.** (lb/size) 2=1522/0-3-8, 10=1522/0-3-8  
 Max Horz 2=219(LC 12)  
 Max Uplift 2=582(LC 12), 10=582(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=2822/1519, 3-5=2842/1495, 5-8=2081/1266, 6-7=2081/1286, 7-9=2642/1495, 9-10=2822/1519  
 BOT CHORD 2-17=1240/2474, 15-17=878/2007, 14-15=497/1497, 12-14=880/2007, 10-12=1248/2474  
 WEBS 6-14=484/825, 7-14=608/524, 7-12=288/530, 9-12=320/338, 6-15=464/825, 5-15=808/524, 5-17=288/530, 3-17=320/338

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable and zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.80
  - 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, with BCDL = 10.0psf.
  - All bearings are assumed to be SP No.2 crushing capacity of 585 psi.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=582, 10=582.



Joaquin Velez PE No.68182  
 MITek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date: October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7673 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 ANS/TPPI 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.  
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Job 2133455	Truss T01G	Truss Type Common Supported Gable	Qty 2	Ply 1	WCH - ORTIZ RES.	T18391451
Builders FirstSource, Jacksonville, FL - 32244,		8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Oct 16 11:18:12 2019 Page 1				
		ID: BdOfRdQ122jR1Mb5pL1CzxwK-WKE2cyDI?MwhRbT8RmNVR?Y544sQC6zqsDoo4lySs4v				
		39-8-0 49-8-0 1-0-0				

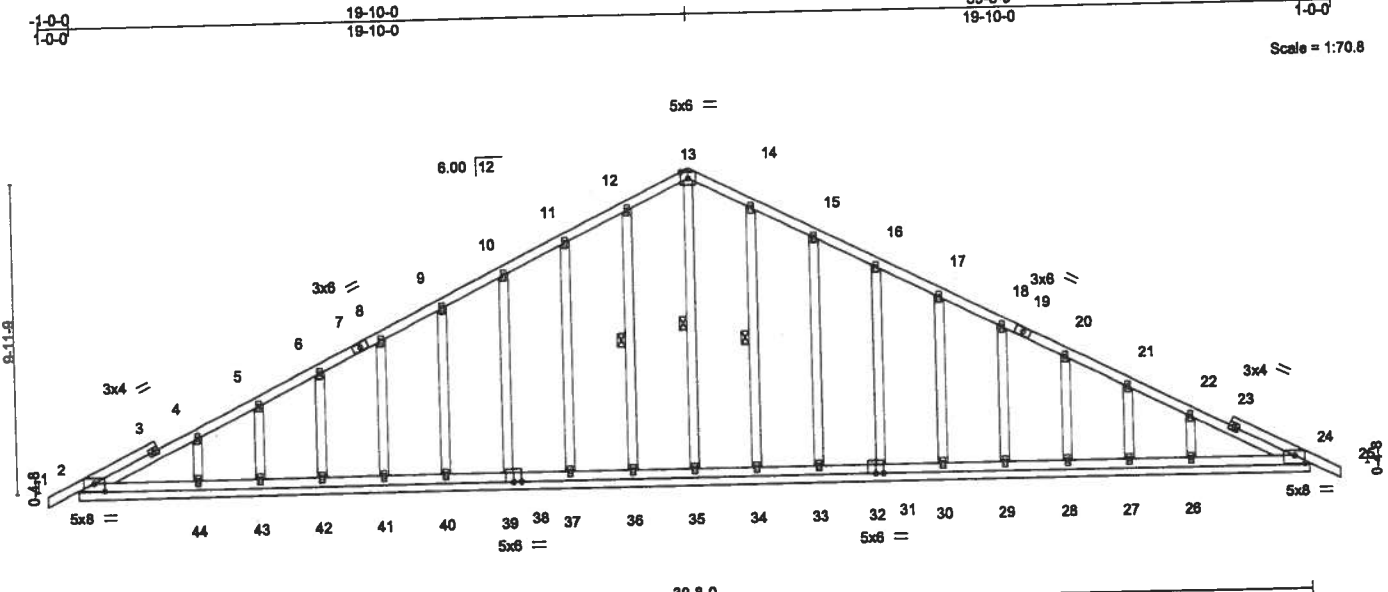


Plate Offsets (X, Y)	[2:0-4-0,0-3-1], [24:0-4-0,0-3-1], [31:0-1-12,0-0-0], [32:0-0-0,0-1-12], [38:0-0-0,0-1-12], [39:0-1-12,0-0-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.11	Vert(LL) 0.00	25	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.09	Vert(CT) 0.00	25	n/r	120		
BCLL 0.0	Rep Stress incr YES	WB 0.12	Horz(CT) 0.01	24	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S					Weight: 266 lb	FT = 20%

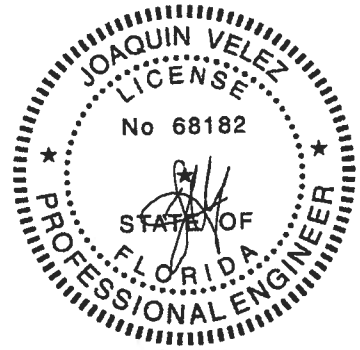
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS 1 Row at midpt 13-35, 12-36, 14-34

**REACTIONS.** All bearings 39-8-0.  
(b) - Max Horz 2=212(LC 13)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 36, 37, 39, 40, 41, 42, 43, 34, 33, 31, 30, 29, 28, 27, 24  
except 44=126(LC 12), 26=134(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 35, 36, 37, 39, 40, 41, 42, 43, 34, 33, 31, 30, 29, 28,  
27, 24 except 44=255(LC 1), 26=255(LC 1)


**FORCES.** (b) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-4=257/103, 11-12=108/308, 12-13=128/363, 13-14=128/363, 14-15=108/308

- 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; TCCL=3.0psf; h=18ft; Cat. II; Exp C; 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 ANSITPI 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, 36, 37, 39, 40, 41, 42, 43, 34, 33, 31, 30, 29, 28, 27, 24 except (jt=lb) 44=126, 26=134.



Joaquin Velez PE No.68182  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date: October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE ML-7473 rev. 10/03/2018 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 ANSITPI 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 33610

Job 2133455	Truss T02	Truss Type Common	Qty 6	Ply 1	WCH - ORTIZ RES. Job Reference (optional)	T18391452
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8.240 s Jul 14 2018 MITek Industries, Inc. Wed Oct 16 11:18:13 2019 Page 1  
 ID: BdOfRdQ122jR1Mb5pL1CzwohK\_ WoQqIENm3Y2i1K?UukzC59iU26xRWz4tYAckySe4u  
 Builders FirstSource, Jacksonville, FL - 32244, 26-9-0 6-10-0 33-7-1 6-11-1 39-8-0 40-8-0 1-0-0  
 Scale = 1:73.4

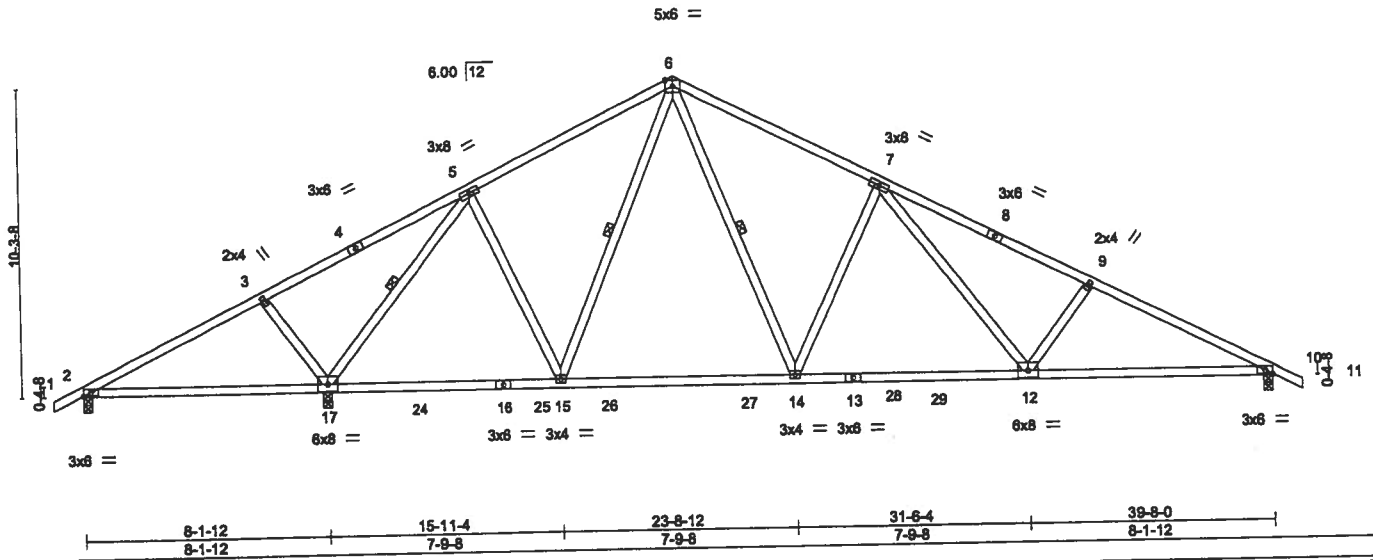


Plate Offsets (X,Y)	[10-0-2-15,Edge]	CSI	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
LOADING (psf)	SPACING- 2-0-0	TC 0.57	Vert(LL)	0.21	17-20	>487	MT20	244/190
TCLL 20.0	Plate Grip DOL 1.25	BC 0.71	Vert(CT)	0.18	17-20	>548		
TCDL 7.0	Lumber DOL 1.25	WB 0.61	Horz(CT)	0.05	10	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS					Weight: 214 lb	FT = 20%
BCDL 10.0	Code FBC2017/TPI2014							

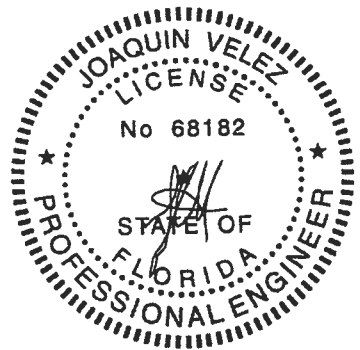
**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 6-14, 6-15, 5-17

**REACTIONS.** (lb/size) 2=140/0-3-8, 17=1739/0-3-8, 10=1165/0-3-8  
 Max Horz 2=219(LC 12)  
 Max Uplift 2=-119(LC 9), 17=-671(LC 12), 10=-483(LC 13)  
 Max Grav 2=224(LC 23), 17=1742(LC 2), 10=1165(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-139/381, 3-5=-165/559, 5-6=-890/644, 6-7=-1281/862, 7-9=-1862/1073,  
 9-10=-2030/1098  
 BOT CHORD 2-17=-333/303, 15-17=-184/596, 14-15=-113/793, 12-14=-498/1293, 10-12=-871/1780  
 WEBS 6-14=-473/825, 7-14=-611/525, 7-12=-294/539, 9-12=-326/343, 6-15=-254/108,  
 5-15=-58/490, 5-17=-1609/785, 3-17=-351/401

- 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; BCCL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCcp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; 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, with BCCL = 10.0psf.
  - 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=ib) 2=119, 17=671, 10=483.



Joaquin Velez PE No.68182  
 MITek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

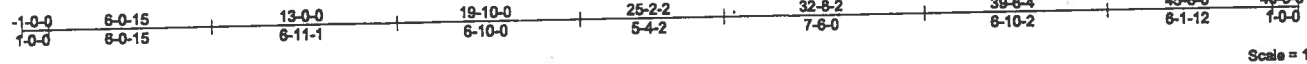
October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 ANSITP1 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 33610

Job	Truss	Truss Type	Qty	Ply	WCH - ORTIZ RES.	T18391453
2133455	T02G	GABLE	1	1	Job Reference (optional)	

8.240 s Jul 14 2018 MiTek Industries, Inc. Wed Oct 16 11:18:15 2019 Page 1  
 Builders FirstSource, Jacksonville, FL - 32244, ID: BdOfFrQ122jR1Mb5pLs1CszwohK-wwwBF\_FdlHJIG12Bj6vx3dAU\_1hbPMKGYB1HhcySe4s 45-8-0 46-8-0



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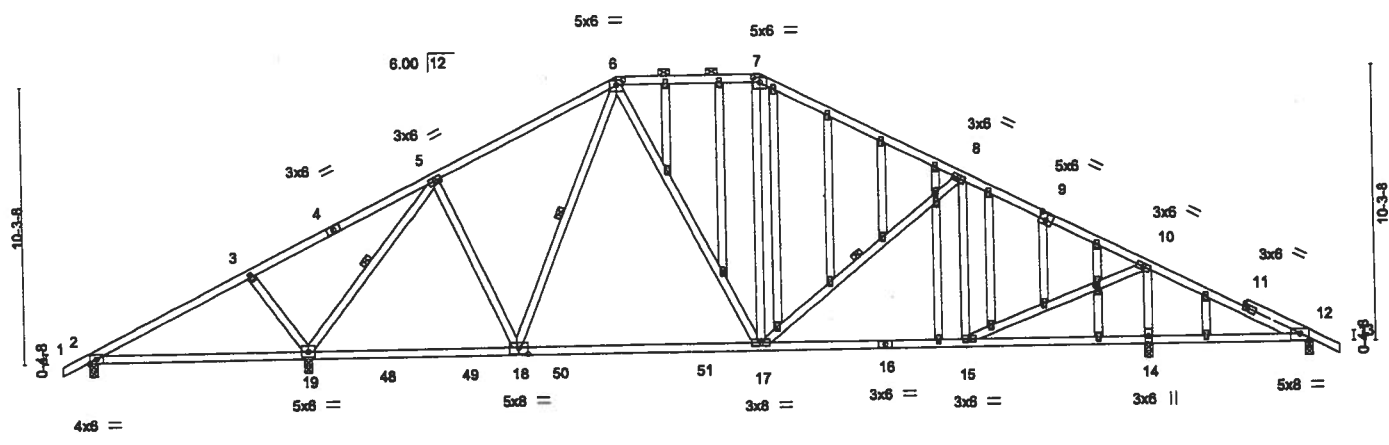


Plate Offsets (X,Y)	[6:0-3-0,0-2-0], [7:0-3-0,0-2-0], [9:0-3-0,0-3-0], [12:0-4-0,0-3-1], [18:0-4-0,0-3-0], [24:0-1-12,0-1-0]
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LOADING (psf)	SPACING- 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL)	0.21 19-43	>487	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.83	Vert(CT)	0.18 19-43	>550	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.53	Horz(CT)	0.03 14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 334 lb	FT = 20%

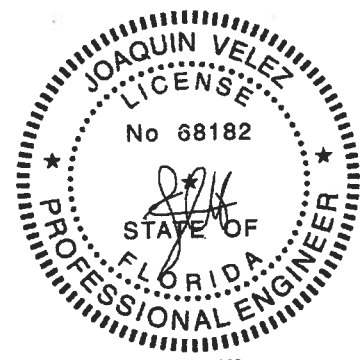
**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-5-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 5-19, 6-18, 8-17

**REACTIONS.** All bearings 0-3-8.  
 (lb) - Max Horz 2=220(LC 12)  
 Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=136(LC 8), 19=628(LC 12), 14=570(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 12 except 2=280(LC 23), 19=1576(LC 2), 14=1496(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 3-5=103/332, 5-6=981/671, 6-7=888/695, 7-8=1072/689, 8-10=1124/630, 10-12=113/252  
 BOT CHORD 18-19=190/699, 17-18=119/826, 15-17=289/949  
 WEBS 3-19=347/398, 5-19=1416/650, 5-18=11/402, 6-17=121/268, 8-15=314/256, 10-15=501/1196, 10-14=1340/822


- 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 C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.80 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 ANS/ITPI 1.
  - Provide adequate drainage to prevent water ponding.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - 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, with BCDL = 10.0psf.
  - All bearings are assumed to be SP No.2 crushing capacity of 585 psi.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (it=lb) 2=136, 19=628, 14=570.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-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 ANS/ITPI Quality Criteria, DSB-88 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 33610



Job 2133455	Truss T03G	Truss Type GABLE Gable   Gable COMMON	Qty 1	Ply 1	WCH - ORTIZ RES.	T18391455
Builders FirstSource, Jacksonville, FL - 32244.					8.240 a Jul 14 2019 MITek Industries, Inc. Wed Oct 16 11:18:19 2019 Page 1	
					ID: BdOfRdQ122JR1Mb5pLe1CxzwohK-og9h4MI8MvplmgVULI78DTL4xv3vL9nTp?UqOySs4o	
					45-8-0 48-8-0	
					1-0-0 8-3-8 13-3-6 19-10-0 25-2-2 32-5-7 39-4-8 45-8-0 48-8-0	
					1-0-0 8-3-8 4-11-14 6-6-10 5-4-2 7-3-5 6-11-1 6-3-8 1-0-0	

Scale = 1:83.5

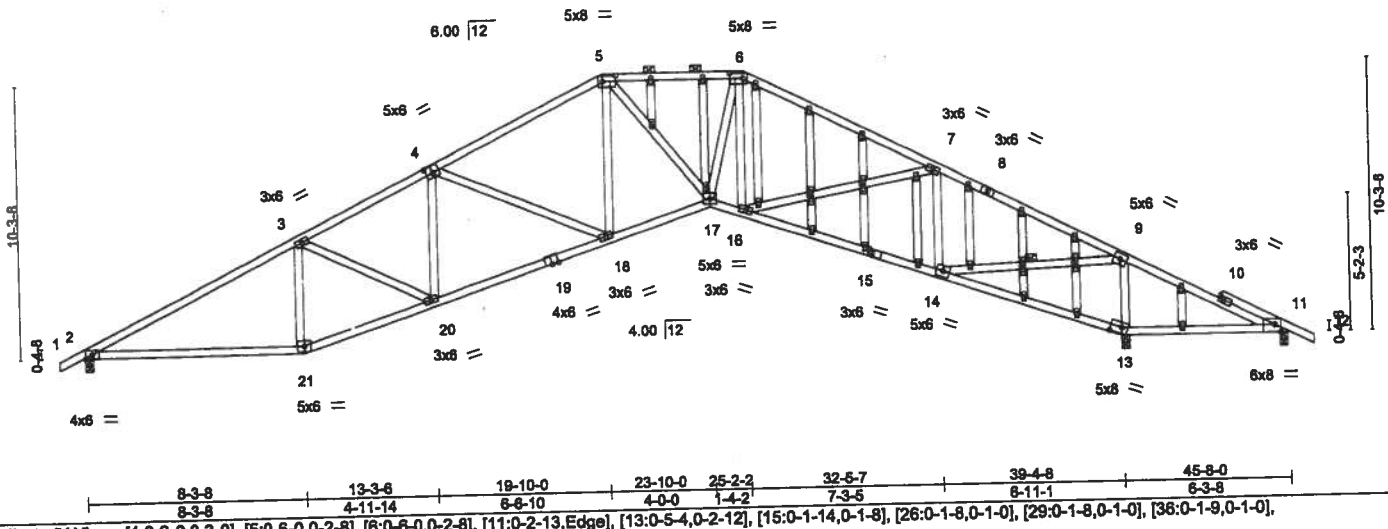


Plate Offsets (X,Y) - [4:0-3-0,0-3-0], [5:0-6-0,0-2-8], [6:0-6-0,0-2-8], [11:0-2-13,Edge], [13:0-5-4,0-2-12], [15:0-1-14,0-1-8], [26:0-1-8,0-1-0], [29:0-1-8,0-1-0], [36:0-1-9,0-1-0], [39:0-1-9,0-1-0]

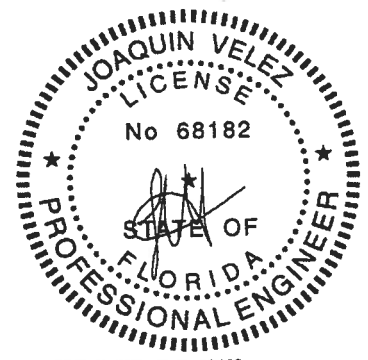
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.87	Vert(LL)	0.23 21-48	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Horz(CT)	-0.43 18-20	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.26 13	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Metrbx-MS					Weight: 294 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD	TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-6-14 max.): 5-8.
BOT CHORD	BOT CHORD	Rigid ceiling directly applied or 4-6-1 oc bracing.
WEBS	WEBS	1 Row at midpt 9-14
OTHERS		

**REACTIONS.** (lb/size) 2=1401/0-3-8, 11=412/0-3-8, 13=2496/0-3-8  
 Max Horz 2=220(LC 12)  
 Max Uplift 2=547(LC 12), 11=425(LC 23), 13=768(LC 13)  
 Max Grav 2=1401(LC 1), 11=151(LC 12), 13=2496(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**TOP CHORD** 2-3=2458/1300, 3-4=2631/1419, 4-5=2318/1182, 5-6=2288/1161, 6-7=2370/1115, 7-9=1488/765, 9-11=716/1639  
**BOT CHORD** 2-21=1006/2123, 20-21=1049/2232, 18-20=1004/2437, 17-18=614/2116, 16-17=544/2108, 14-16=431/1348, 13-14=1607/837, 11-13=1407/730  
**WEBS** 3-21=554/339, 4-18=388/412, 5-18=250/408, 5-17=56/503, 6-17=344/974, 6-16=258/140, 7-16=201/821, 7-14=971/539, 9-14=1184/2766, 9-13=1856/1048


- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed; 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.
  - Provide adequate drainage to prevent water ponding.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - The Fabrication Tolerance at joint 13 = 12%
  - 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 547 lb uplift at joint 2, 425 lb uplift at joint 11 and 768 lb uplift at joint 13.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182  
 MITek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 ANSUTPI Quality Criteria, DSB-68 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

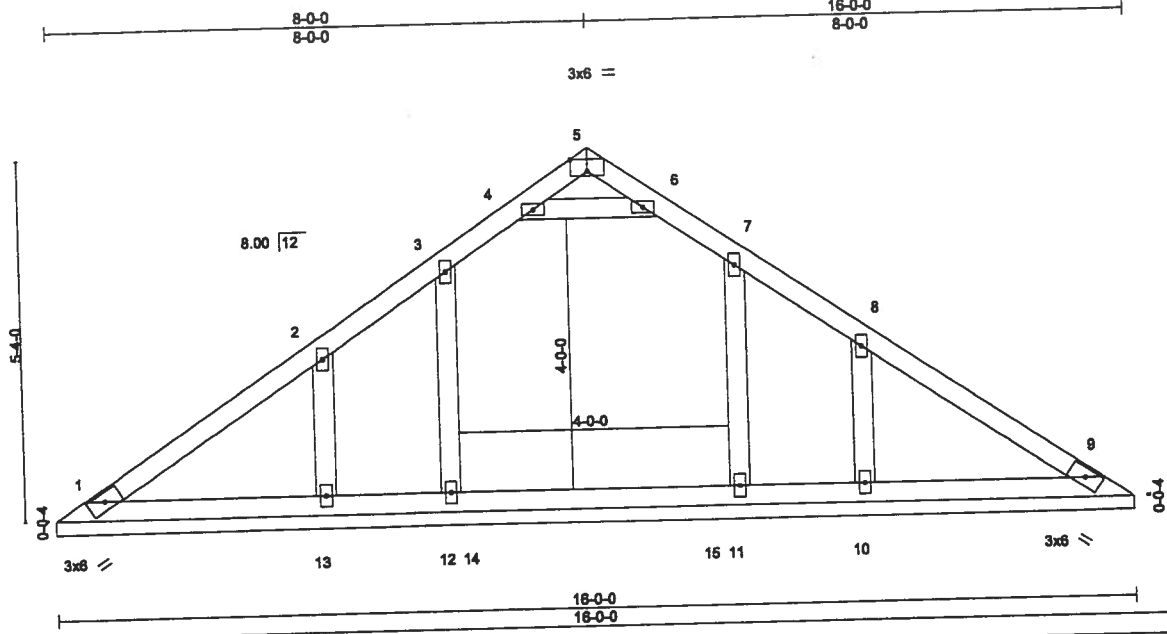


6904 Parke East Blvd.  
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	WCH - ORTIZ RES.	T18391456
2133455	V01	GABLE	1	1	Job Reference (optional)	

8/24/2019 11:18:20 AM Page 1  
 ID: BdOFrdQ122jR1Mb5pLe1CzxwohK-Ht4iJm7pxZOp4gvSWNmhtT0JaD4is7hTk1MqySs4n

Builders FirstSource, Jacksonville, FL - 32244,



Scale = 1:32.7

Plate Offsets (X,Y)- [5:0-3-0,Edge], [7:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.16	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Lumber DOL 1.25	WB 0.08	Horz(CT)	0.00	9	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 70 lb	FT = 20%
	Code FBC2017/TPI2014							

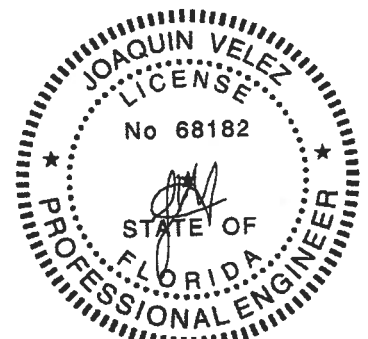
**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 WEBS 2x4 SP No.3  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

**REACTIONS.** All bearings 16-0-0.  
 (lb) - Max Horz 1=156(LC 8)  
 Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 12, 11 except 13=205(LC 12), 10=209(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 1, 9, 12, 11, 13 except 10=252(LC 20)


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

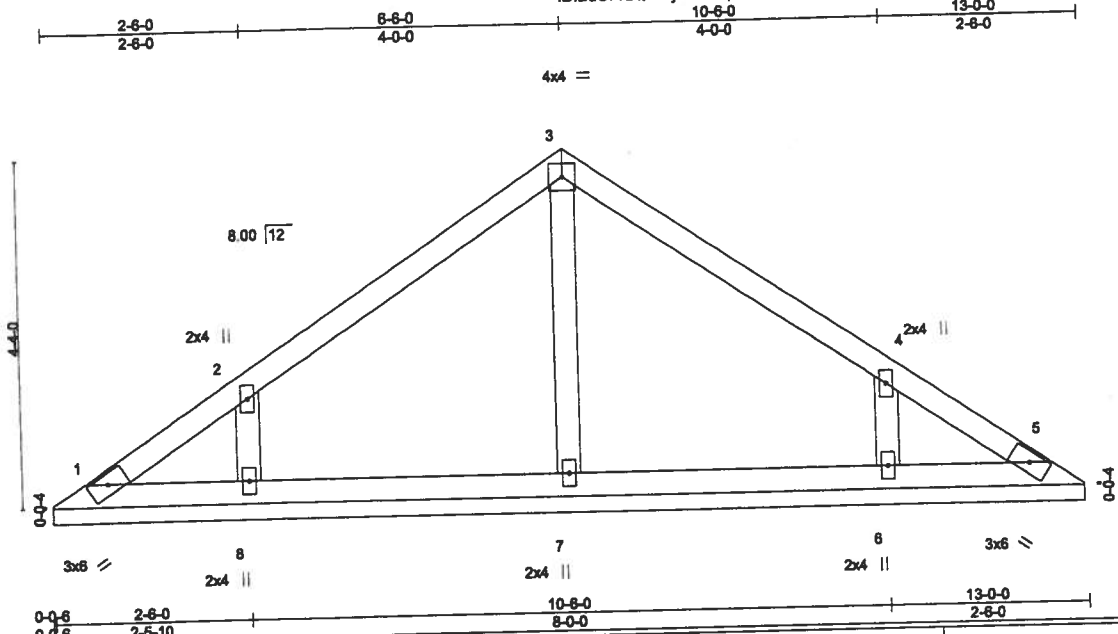
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - 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, with BCCL = 10.0psf.
  - 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) 1, 9, 12, 11 except (it=lb) 13=205, 10=209.



Joaquin Velez PE No.68182  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

October 16, 2019

<p><b>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2016 BEFORE USE.</b>          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 ANSUTPH Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plate Institute, 216 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	 <p>6904 Parke East Blvd.          Tampa, FL 33610</p>
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<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	n/a	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S					Weight: 50 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 12-11-4.  
 (lb) - Max Horz 1=125(LC 9)  
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=216(LC 12), 6=216(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=309(LC 19), 6=309(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 2-8=284/238, 4-8=264/237

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=3.0psf; h=18ft; Cat. II; Exp C; 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
  - 3) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* 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.
  - 6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (if=lb) 8=216, 6=216.



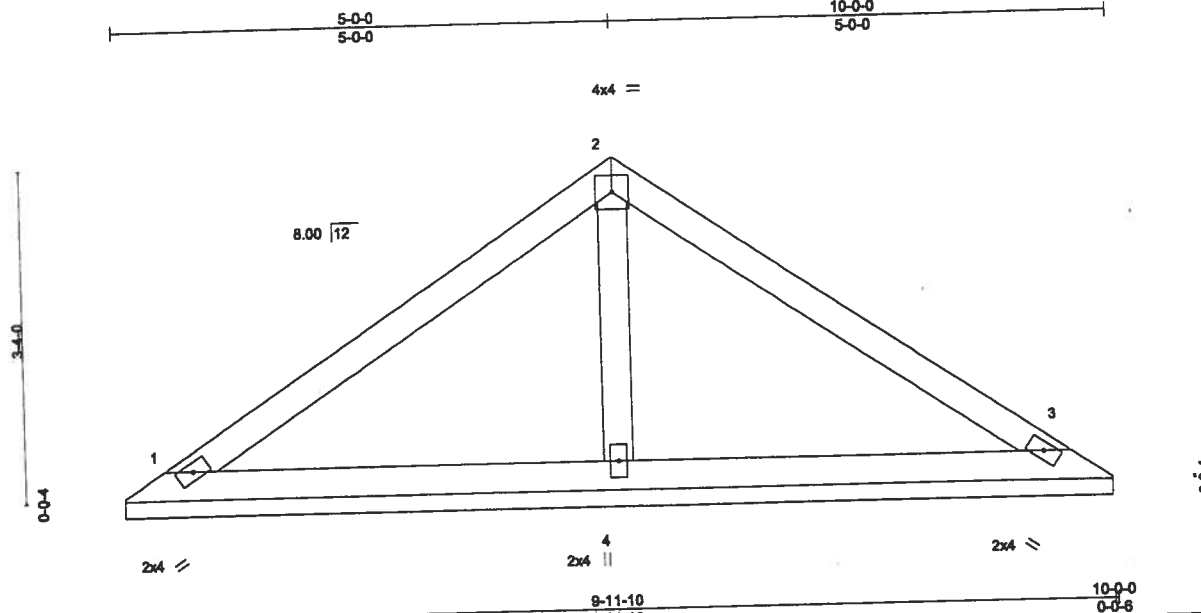
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 Date:

October 16, 2019

Job 2133455	Truss V03	Truss Type Valley	Qty 1	Ply 1	WCH - ORTIZ RES. Job Reference (optional)	T18391458
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8.240 e Jul 14 2019 MITek Industries, Inc. Wed Oct 16 11:18:22 2019 Page 1  
 ID: BdOfFrdQ12ZjR1Mb5pLe1CzxwohK-DFrqjNK0eQBHD7D31tZr6zma6E6Yea19nD8QlySe4l

Builders FirstSource, Jacksonville, FL - 32244,



Scale = 1:22.1

<b>LOADING (psf)</b>	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.24	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.20	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.25	WB 0.05	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a	Weight: 35 lb	FT = 20%
	Code FBC2017/TPI2014				

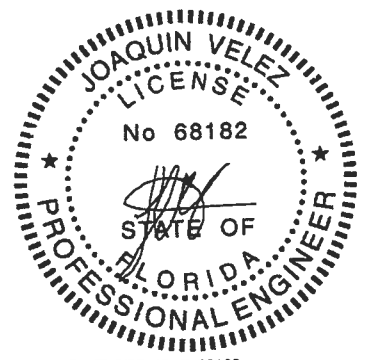
**LUMBER-**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2  
 OTHERS 2x4 SP No.3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=164/9-11-4, 3=164/9-11-4, 4=341/9-11-4  
 Max Horz 1=94(LC 11)  
 Max Uplift 1=-74(LC 12), 3=-88(LC 13), 4=-94(LC 12)  
 Max Grav 1=164(LC 1), 3=165(LC 20), 4=341(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=3.0psf; h=18ft; Cat. II; Exp C; 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
  - 3) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* 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.
  - 6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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 Date:

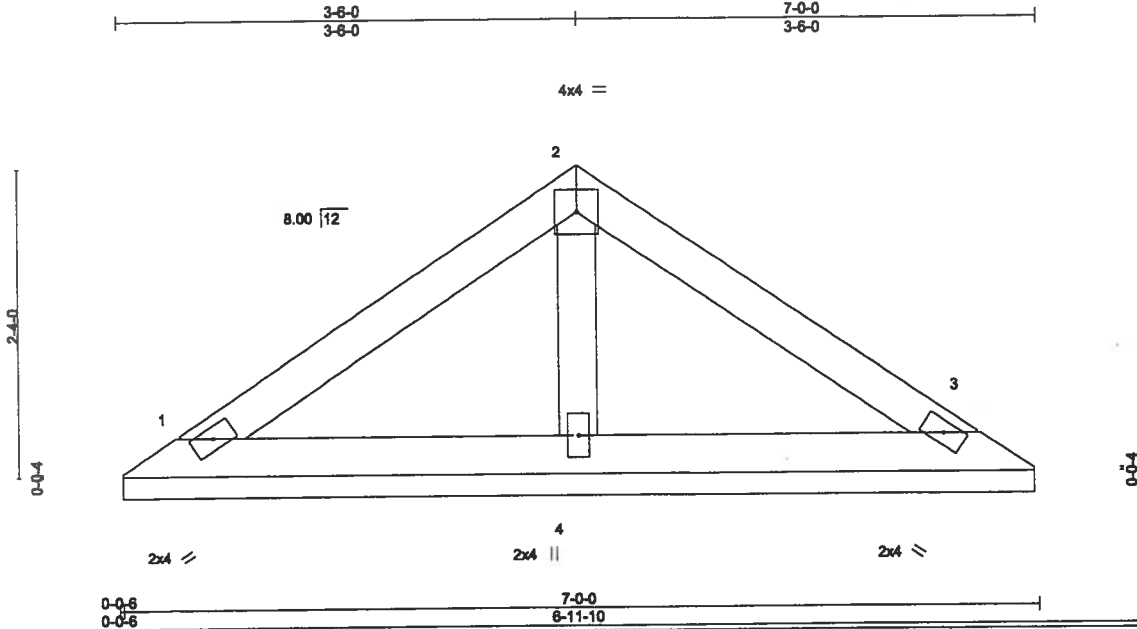
October 16, 2019

<p><b>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2018 BEFORE USE.</b>          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 ANSUTPH Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	 6904 Parka East Blvd. Tampa, FL 33610
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Job 2133455	Truss V04	Truss Type Valley	Qty 1	Ply 1	WCH - ORTIZ RES. Job Reference (optional)	T18391459
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MITek Industries, Inc. Wed Oct 16 11:18:22 2019 Page 1  
ID: BdOFrdQ122jR1Mb5pLe1CxzwohK-DFrjJNK0eQBhd7D31tZrr6zon6GqYewl9nD8QlySe4l



Scale = 1:16.7

LOADING (psf)	SPACING-	CSL	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.10	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code FBC2017/TP12014	Matrix-S					Weight: 24 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

**BRACING-**

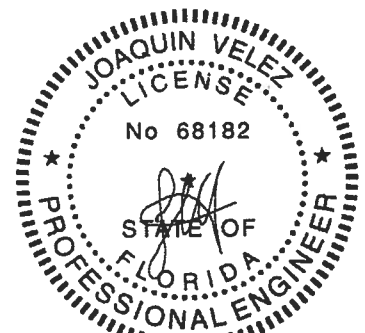
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=109/6-11-4, 3=109/6-11-4, 4=228/6-11-4  
Max Horz 1=63(LC 8)  
Max Uplift 1=49(LC 12), 3=57(LC 13), 4=63(LC 12)  
Max Grav 1=109(LC 1), 3=110(LC 20), 4=228(LC 1)

**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; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=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
- Gable requires continuous bottom chord bearing.
- 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) 1, 3, 4.



Joaquin Velez PE No.68182  
MITek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

October 16, 2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-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 ANS/TP11 Quality Criteria, DSB-88 and BCS/ Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

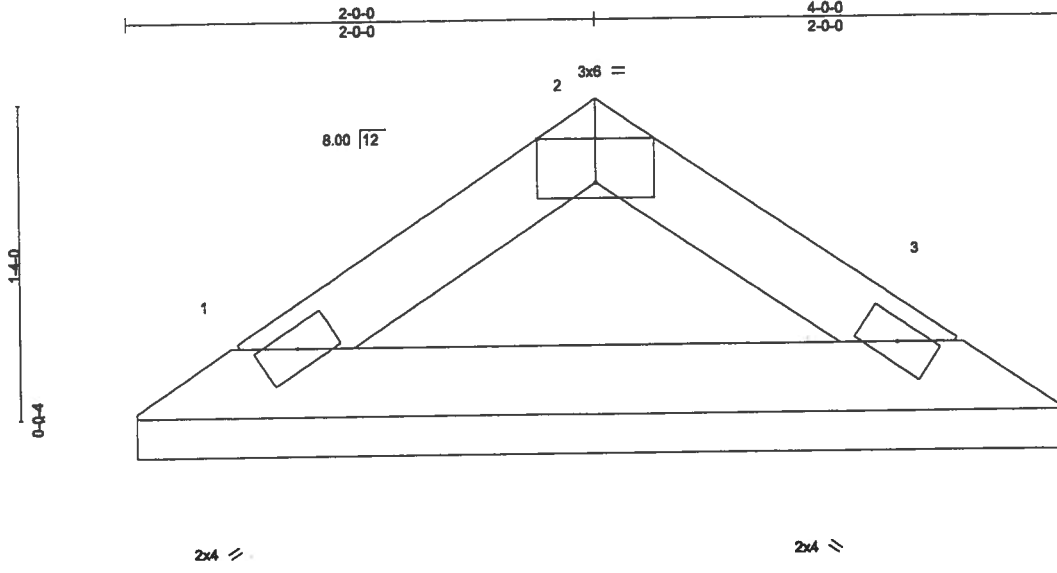


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Tampa, FL 33610

Job 2133455	Truss V05	Truss Type Valley	Qty 1	Ply 1	WCH - ORTIZ RES. Job Reference (optional)	T18391460
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 a Jul 14 2019 MiTek Industries, Inc. Wed Oct 16 11:18:23 2019 Page 1  
ID: BdOfRdQ122jR1Mb5pLe1CxzwohK-hSPCwjLpKj8FHofaa44NJV\_SWcmH5aRNRziz9ySs4k



Scale = 1:9.4

Plate Offsets (X,Y)-- [2-0-3-0,Edge]		4-0-0 3-11-10		0-0-6 0-0-6					
<b>LOADING (psf)</b>	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL</b>	In (loc)	l/def	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.25		TC 0.04	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.11	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(CT) 0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-P					Weight: 11 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2

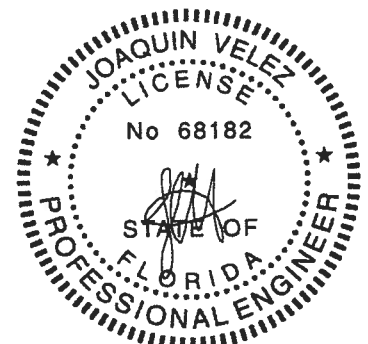
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=112/3-11-4, 3=112/3-11-4  
Max Horz 1=32(LC 8)  
Max Uplift 1=40(LC 12), 3=40(LC 13)

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

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* 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.
- 6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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Date:

October 16,2019

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MB-7473 rev. 10/03/2016 BEFORE USE.**

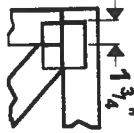
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 ANSITPP1 Quality Criteria, DSB-69 and BCSJ Building Component Safety Information available from Truss Plate Institute, 216 N. Lee Street, Suite 312, Alexandria, VA 22314.



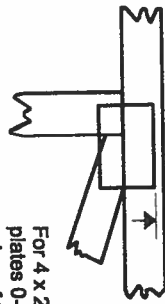
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Tampa, FL 33610

# Symbols

## PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- $\frac{1}{4}$ " from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

\* Plate location details available in MITek 2020 software or upon request.

## PLATE SIZE

4 X 4

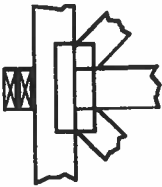
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or L bracing if indicated.

## BEARING



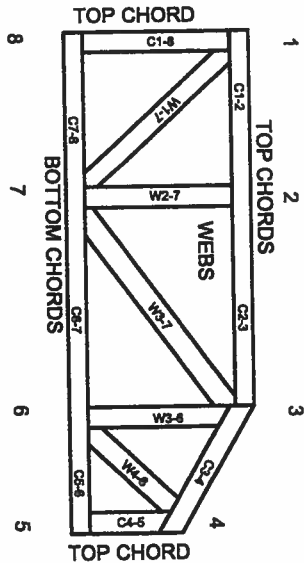
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

## Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practices for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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.

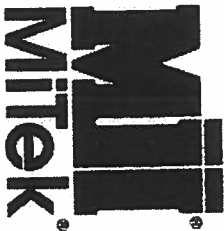
## PRODUCT CODE APPROVALS

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: MIU-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 Tor L 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 warps 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.