Columbia County Building Department
Culvert Permit

34072

Culvert Permit No.
000002293

DATE 12/19/2016 PARCEL ID # 01-5S-16-03401-003

APPLICANT ISAIAH CULLY PHONE 386-867-0086

ADDRESS 585 SW BISHOP AVE LAKE CITY FL 32024

OWNER WILLIAM & DILENE HART PHONE 386-466-9740

ADDRESS 330 SW BLAYLOCK CT LAKE CITY FL 32024

CONTRACTOR ISAIAH CULLY PHONE 386-867-0086

LOCATION OF PROPERTY 47 S. L WALTER AVE. L LITTLE. R BLAYLOCK CT. 2ND ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RIVER MANOR 1 2

INSTALLATION INFORMATION SIGNATURE

(A) A culvert shall be required to be installed as part of any newly constructed private driveway or road, or public road, which connects to a county road in Columbia County. Culvert installation for residential use shall require a permit issued by the Building and Zoning Department. Prior to any culvert permit being issued, an inspection by the Public Works Department shall be required to determine the proper size, length, and location for installation. Culvert installation for commercial, industrial, and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications.

(B) The culvert shall comply and be installed in accordance with Columbia County Land Development Regulation, Access Control: Section 4.2.3 standards. Proper installation of the culvert shall be verified by a final inspection performed by the Public Works Department.

(C) All culverts required by this policy shall be installed prior to the Building Department granting permission to connect permanent electrical service to the facility or facilities being serviced by newly constructed private driveway or road. In cases where no electrical service exists, installation shall be completed prior to final inspection approval.

(D) Mitered-end culverts shall be used in the following applications:
(1) When the culvert is to be placed giving access to a paved street.; (2) When the road is contained within a subdivision (recorded or unrecorded) that has not reached a "build out" of fifty percent (50%) or more.; (3) In all new subdivisions for residential use. New subdivisions shall be required as part of the final plat to specify culvert diameter and length.; (4) When the predominant use already established by the use of mitered-end culverts period.

☐ Culvert installation shall conform to the approved site plan standards.

☐ Department of Transportation Permit installation approved standards.

☒ Shall conform to Public Works Determinations as Stated Below:

INSTALL MIN 32' X 18" ROUND CORR METAL CULVERT W/CONCRETE MITRED ENDS W/6X6 WELDED WIRE, REBAR OR CULVERT BOLTS.

P W Inspectors Name: D McCormick Date: 12/20/2016

Final Inspection Date: 12/20/2016 P W Inspectors Name: DAVID McCORMICK Signature: David McCormick

CONTACT FOR REQUIREMENTS AND INSPECTIONS:
PUBLIC WORKS DEPARTMENT
Phone: 386-758-1019

Amount Paid 25.00
Check No. CASH REC'D

All Proper Safety Requirements Should Be Followed During The Installation Of The Culvert

Columbia County Building Department
Culvert Waiver

Culvert Waiver No.
000002293

DATE: 05/18/2016 BUILDING PERMIT NO. 34672

APPLICANT ISAIAH CULLY PHONE 386-867-0086

ADDRESS 585 SW BISHOP AVE LAKE CITY FL 32024

OWNER WILLIAM & DILENE HART PHONE 386-466-9740

ADDRESS 330 SW BLAYLOCK CT LAKE CITY FL 32024

CONTRACTOR ISAIAH CULLY PHONE 386-867-0086

LOCATION OF PROPERTY 47 S. L WALTER AVE, L LITTLE, R BLAYLOCK CT. 2ND ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RIVER MANOR 1 2

PARCEL ID # 01-5S-16-03401-003

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

ENTERED

SIGNATURE: X

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

____ APPROVED X NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: SPOKE TO CONTRACTOR. EXPLAINED HE NEEDS CULVERT PERMIT

SIGNED: [signature] DATE: 5-23-16

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 01-5S-16-03401-003 **Building permit No.** 000034072

Use Classification SFD, UTILITY **Fire:** 152.80

Permit Holder ISAIAH CULLY **Waste:** 160.90

Owner of Building WILLIAM & DILENE HART **Total:** 313.70

Location: 330 SW BLAYLOCK CT, LAKE CITY, FL 32024

Date: 12/20/2016

Tracy Crew

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

DATE 05/18/2016

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000034072

APPLICANT ISAIAH CULLY PHONE 386-867-9740

ADDRESS 585 SW BISHOP AVE LAKE CITY FL 32024

OWNER WILLIAM & DILENE HART PHONE 386-466-9740

ADDRESS 330 SW BLAYLOCK CT LAKE CITY FL 32024

CONTRACTOR ISAIAH CULLY PHONE 386-867-0086

LOCATION OF PROPERTY 47 S, L WALTER AVE, L LITTLE, R BLAYLOCK CT,
2ND ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 128000.00

HEATED FLOOR AREA 2560.00 TOTAL AREA 2560.00 HEIGHT ____ STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH ____ FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. ____

PARCEL ID 01-5S-16-03401-003 SUBDIVISION RIVER MANOR

LOT 1 BLOCK ____ PHASE ____ UNIT 2 TOTAL ACRES 1.00

000002293 ____ CBC1259655 X
Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

WAIVER 16-299 BS TC N ____
Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident | Time/STUP No.

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD
SFLP 16-09 FOR DAUGHTER APPROVED

Check # or Cash 3056

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic (footer/Slab) ____ date/app. by

Under slab rough-in plumbing ____ date/app. by | Slab ____ date/app. by | Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by | Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by | Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by | Pool ____ date/app. by

Permanent power ____ date/app. by | C.O. Final ____ date/app. by | Culvert ____ date/app. by

Pump pole ____ date/app. by | Utility Pole ____ date/app. by | M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by | RV ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 640.00 CERTIFICATION FEE $ 12.80 SURCHARGE FEE $ 12.80

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 740.60

INSPECTORS OFFICE ZM CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.
NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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 THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

dlc# 3056

Columbia County New Building Permit Application

☑ Cully Liability

For Office Use Only Application # 160488 Date Received 4/29 By JW Permit # 22931 34072

Zoning Official BLS Date 5-12-16 Flood Zone X Land Use A Zoning A-3

FEMA Map # _____ Elevation _____ MFE 1' above River _____ Plans Examiner T.C. Date 5-13-16

Comments SFLP 1609 - Approved

☑ 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. 16-299- OR City Water Fax _____

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

Address 585 SW Bishop Ave Lake City FL 32024

Owners Name William & Dilene Hart Phone 386.466.9740

911 Address 330 SW Blaylock Ct, Lake City, FL 32024

Contractors Name Isaiah Cully Phone 3866670086

Address 585 SW Bishop Ave Lake City FL 32024

Contractor Email IsaiahC@BellSouth.Net ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Marty J Humphries 7932 240th st OBrien FL320

Mortgage Lenders Name & Address First Federal Savings Bank

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

Property ID Number 01-55-16-03401-003 Estimated Construction Cost 150,000

Subdivision Name River Manor Lot 1 Block ____ Unit 2 Phase ____

Driving Directions from a Major Road 475 to Walter, walter to Little, Left on Little to Blaylock, Right on Blaylock, 2nd Home/site on Rig

Construction of Residence _____ Commercial OR X Residential

Proposed Use/Occupancy Home Number of Existing Dwellings on Property 0

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 160 Side 80 Side 40 Rear 90

Number of Stories 1 Heated Floor Area 2,560 Total Floor Area 2,560 Acreage 1

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

JW sent Email 4.29.16 - JW Spoke w/ Cully 5.17.16

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 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.

Bill Hart _____ Ron Nash _____ ****Property owners must sign here before any permit will be issued.**

Print Owners Name **Owners Signature**

****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.

_____ **Contractor's License Number** CBC1259655

Contractor's Signature **Columbia County Competency Card Number** 1179

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 29th **day of** April **20**16

Personally known ✓ **or Produced Identification** _____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

SPECIAL FAMILY LOT PERMIT AFFIDAVIT

Inst:201612004706 Date:3/18/2016 Time:3:18 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1311 P:1620

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared, Bernard Wilkins the Parent parcel Owner (Owner) which has been subdivided for Dilene Hart. the Immediate Family Member of the Owner, which is intended for the Immediate Family Members primary residence use. The Immediate Family Member is related to the Owner as daughter. Both individuals being first duly sworn according to law, depose and say:

1. Affiant acknowledges Immediate Family Member is defined as parent, grandparent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

2. Both the Owner and the Immediate Family Member have personal knowledge of all matters set forth in this Affidavit.

3. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference with the Columbia County Property Appraiser Parent Tract Tax Parcel No. 03401-001.

4. The Owner has divided the parent parcel for use of an Immediate Family Member, for their primary residence and the family lot and the remaining parent parcel are at least one (1) acre in size.

5. The Immediate Family Member holds fee simple title to certain real property divided from the Owners' parent parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 03401-003, and **shall obtain homestead exemption on said parcel once dwelling is placed on parcel**.

6. Except persons residing with the Immediate Family member, no person or entity other than the Owner and Immediate Family Member to whom permit is being issued claims or is presently entitled to the right of possession or is in possession of the family lot, and there are no tenancies, leases or other occupancies that affect the property.

7. The issuance of the Special Family Lot Permit shall comply with the Columbia County Land Development Regulations, as amended. The site location of the dwelling on the property shall be in compliance with all other conditions not conflicting with this section for permitting as set forth in the Columbia County Land Development Regulations.

8. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for an Immediate Family Member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations. **This Special Family Lot Permit is valid for 1 year from date of approval by the Board of County Commissioners. The Immediate Family Member further understands that the transfer of ownership shall meet the requirements of Section 14.9(#8) of this Section.**

9. This Affidavit and Agreement is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the facts represented by us in this Affidavit are true and correct and we accept the terms of the Agreement and agree to comply with it.

Bernard C Willems
Owner

Dilene Hart
Immediate Family Member

Bernard Willems
Typed or Printed Name

Dilene Hart
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 2nd day of March, 2016, by Bernard C Willems (Owner) who is personally known to me or has produced FL DL W452-083-42178-0 as identification.

Jeannette C Proveaux
Notary Public

JEANNETTE C. PROVEAUX
Notary Public - State of Florida
My Comm. Expires Jul 8, 2017
Commission # FF 034246

Subscribed and sworn to (or affirmed) before me this 2nd day of March, 2016, by Dilene Hart (Family Member) who is personally known to me or has produced FL DL H630 173 67 949 0 as identification.

Jeannette C Proveaux
Notary Public

JEANNETTE C. PROVEAUX
Notary Public - State of Florida
My Comm. Expires Jul 8, 2017
Commission # FF 034246

APPROVED: COLUMBIA COUNTY, FLORIDA

By: _____

Name: Laurie Hodson

Title: Office Manager

Columbia County Property Appraiser

updated: 3/29/2016

2015 Tax Year

Tax Collector | Tax Estimato | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 01-5S-16-03401-003

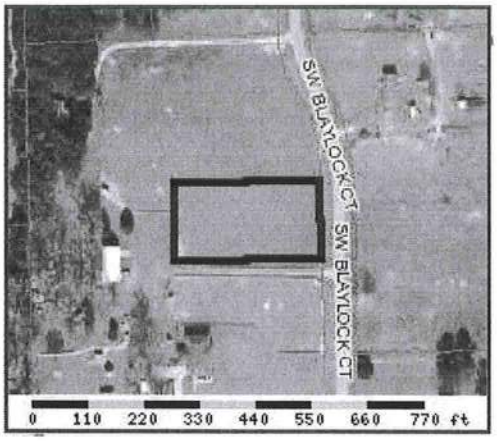
<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	HART WILLIAM S & DILENE M		
Mailing Address	392 SW BLAYLOCK CT LAKE CITY, FL 32024		
Site Address	SW BLAYLOCK CT		
Use Desc. (code)	VACANT (000000)		
Tax District	3 (County)	**Neighborhood**	1516
Land Area	1.010 ACRES	**Market Area**	01
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

COMM SW COR OF E1/2 OF SW1/4 OF SE1/4, RUN N 1555.59 FT, E 288.02 FT FOR POB, N 75.79 FT, E 287.91 FT TO W R/W OF SW BLAYLOCK CT, S ALONG R/W 153.20 FT, W 287.92 FT, N 77.41 FT TO POB. WD 1310-518



Property & Assessment Values

2015 Certified Values
There are no 2015 Certified Values for this parcel

2016 Working Values		(...Hide Values)
Mkt Land Value	cnt: (0)	$3,932.00
Ag Land Value	cnt: (1)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$3,932.00
Just Value		$3,932.00
Class Value		$0.00
Assessed Value		$3,932.00
Exempt Value		$0.00
Total Taxable Value		Cnty: $3,932 Other: $3,932 | Schl: $3,932

NOTE: **2016 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.**

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
2/24/2016	1310/518	WD	V	U	11	$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.01 AC	1.00/1.00/1.00/1.00	$3,893.87	$3,932.00

.egend

Ft White

Parcels

County Districts

Lake City

Official Zoning Atlas

- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-I
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3

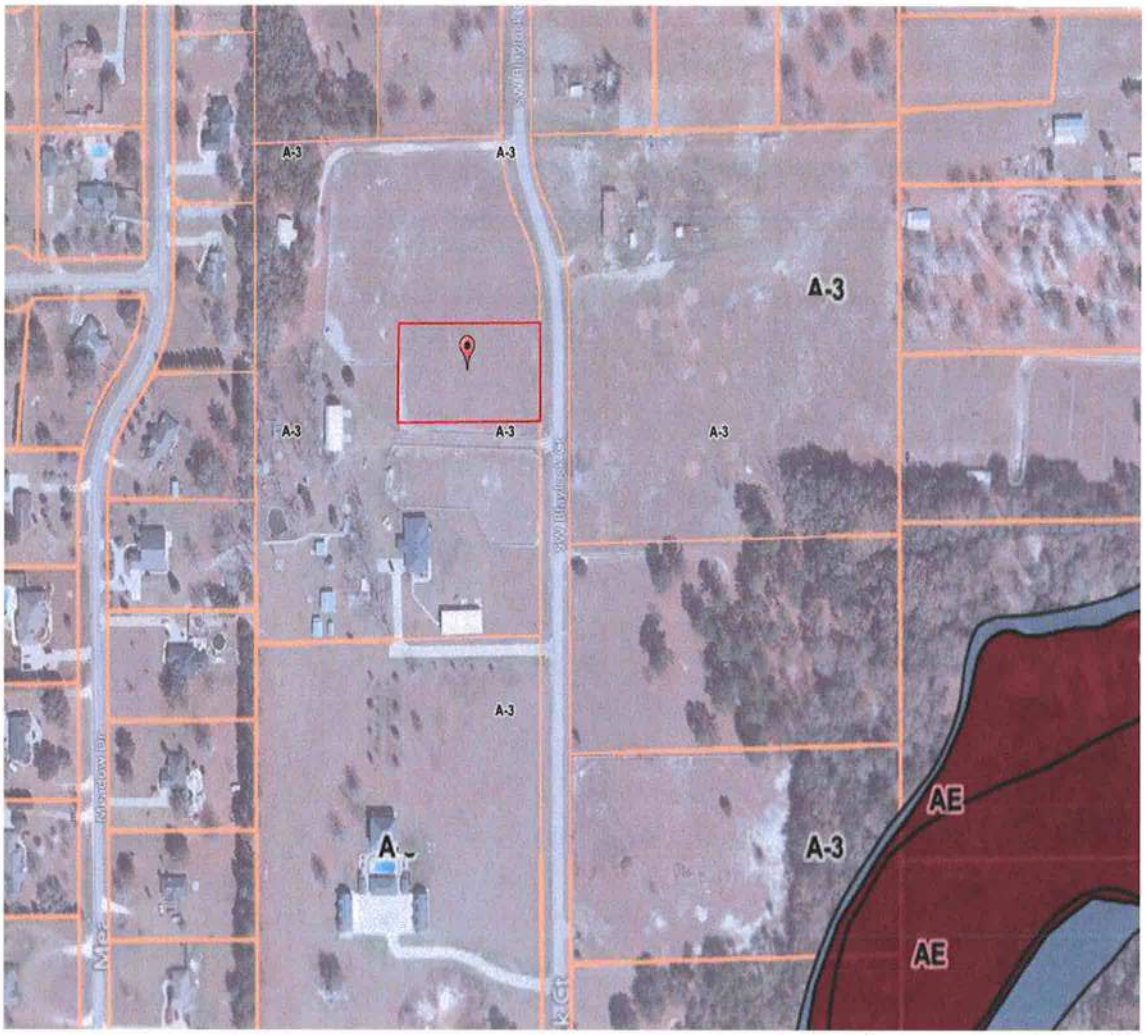
DEFAULT

Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

Columbia County, FLA - Building & Zoning Property Map

Printed: Tue May 17 2016 12:22:05 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 01-5S-16-03401-003

Owner:

Subdivision: RIVERS MANOR UNR

Lot:

Acres: 1.012155

Deed Acres: 1.01 Ac

District: 5 Scarlet Frisina (386)-758-1005 or (386)-365-0687

Future Land Uses: Agriculture - 3

Flood Zones:

Official Zoning Atlas: A-3

This Instrument Prepared By:
Branden L. Strickland
Strickland Law Firm, P.L.
3132 Ponce de Leon Blvd.
Coral Gables, FL 33134

Inst:201612003247 Date:2/24/2016 Time:3:38 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1310 P:520

QUIT CLAIM DEED

THIS QUIT-CLAIM DEED, Executed this 24 day of February, 2016, by William S. Hart and his wife, Dilene Hart, First party, to Bernard C. Willems and his wife, Pamela A. Willems, Second party:

WITNESSETH, That the said first party, for and in consideration of the sum of $10.00, in hand paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quit-claim unto the said second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia, State of Florida, to wit:

SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity, to the only proper use, benefit and behoove of the said second party forever.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness:
Regina Simpkins
Printed Name:

William S. Hart

Witness:
Goldi Davis
Printed Name:

Dilene M. Hart

STATE OF Florida

COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 24 day of February, 2016 by William S. Hart and his wife, Dilene Hart, personally known to me or, if not personally known to me, who produced DL for identification and who did not take an oath.

Notary Public
Regina Simpkins

REGINA SIMPKINS
MY COMMISSION # EE 859115
EXPIRES: January 4, 2017
Bonded Thru Budget Notary Services

EXHIBIT "A"

Lot #1, Rivers Manor Unit II, an unrecorded subdivision in the SE ¼ of Section 1 and the NW ¼ of NE ¼ of Section 12, Township 5 South, Range 16 East. Columbia County, Florida.

Description: Lot #1

A part of the SE ¼ of Section 1, Township 5 South, Range 16 East, more particularly described as follows:

Commence at the SW corner of the East ½ of the SW ¼ of the SE ¼ of said Section 1, and run N 0°19'13" West, along the West line thereof, 1137.93 feet for a point of beginning; thence continue along said line and its projection N 0°19'13" West, 774.77 feet to the Southwest corner of Lot 15 of Rivers Manor Unit No. 1 as per plat thereof recorded in Plat Book 5, Page 139 of the Public Records of Columbia County, Florida; thence N 88°39'40" East, 499.96 feet to the West Right-Of-Way line of Davis Lane (a 60 foot road), said point being the point of curve of a curve to the left, having a radius of 260.00 feet, an included angle of 33°23'54"; thence Southwesterly along the arc of said curve, an arc distance of 151.56 feet to a point of reverse curve; thence Southerly along the arc of a curve to the right, having a radius of 200.00 feet, an included angle of 33°23'54", for an arc distance of 116.58 feet, to the end of said curve; thence S 0°19'13" East, 520.21 feet; thence S 88°39'40" West, 575.94 feet to the point of beginning. Columbia County, Florida.

Subject to an easement over and across the South 10.00 feet and the East 15.00 feet thereof for utility and drainage.

ATT# 4-6841

Corrective Warranty Deed

Individual to Individual

THIS Corrective WARRANTY DEED made the 24 day of February, 2016, Bernard C. Willems and Pamela A. Willems, his wife, hereinafter called the grantor, to William S. Hart and Dilene M. Hart, husband and wife whose post office address is: 392 SW Blaylock Ct, Lake City, FL 32024 hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# R03401-001

See Exhibit "A" Attached Hereto And By This Reference Made A Part Thereof.

This document is being recorded to correct the legal description in that certain Warranty Deed recorded 8/10/2015 in OR Book 1299, Page 948.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2014.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness:
Regina Simpkins
Printed Name:

Witness:
Heidi Davis
Printed Name:

Bernard C. Willems

Pamela A. Willems

STATE OF Florida

COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 24 day of February, 2016 by BERNARD C. WILLEMS AND PAMELA A. WILLEMS, HIS WIFE personally known to me or, if not personally known to me, who produced D/L for identification and who did not take an oath.

Notary Public Regina Simpkins

The preparer of this instrument has performed no title examination nor has the preparer issued any title insurance or furnished any opinion regarding the title, names, addresses, tax identification number and legal description furnished by parties.

This Instrument Prepared By:
Branden L. Strickland
Strickland Law Firm, P.L.
3132 Ponce de Leon Blvd.
Coral Gables, FL 33134

Inst:201612003246 Date:2/24/2016 Time:3:38 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1310 P:518

ATT 6841

Exhibit "A"

A part of the SE ¼ of Section 1, Township 5 South, Range 16 East, Columbia County, Florida, more particularly described as follows: commence at the SW corner of the East ½ of the SW ¼ of the SE ¼ of said Section 1, and run N 00°19'13"W, along the West line thereof, 1555.59 feet; thence N 88°40'31"E, 288.02 feet to the Point of Beginning; thence N 00°18'53"W, 75.79 feet; thence N 88°40'31"E, 287.91 feet to the West Right-of-Way line of SW Blaylock Court; thence S 00°19'13"E, along said West Right-of-Way line, 153.20 feet; thence S 88°40'31"W, 287.92 feet; thence N 00°18'53"W, 77.41 feet to the Point of Beginning.

RS
JB

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 160485 CONTRACTOR Isaiah Cully PHONE 386.867.0684

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County 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 permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL 724	Print Name Lyndon Rainbolt License #: EC13001835	Signature Lyndon Rainbolt Phone #: (386) 755-5079
MECHANICAL/ A/C 476	Print Name Lyndon Rainbolt License #: RA0066590	Signature Lyndon Rainbolt Phone #: (386) 755-5079
PLUMBING/ GAS 715	Print Name Cody Barns License #: CFC1427145	Signature Phone #: 386 623-0509
ROOFING 1179	Print Name Isaiah Cully License #: CBC1259655	Signature Phone #: 386-867-0046
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

CULLY CONSTRUCTION
CBC 1259655
1179

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

A&B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3409
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

May 2, 2016

To: Columbia County Building Department

Description of Well to be installed for Customer William Hart (IC Const)

Located @ Address: 330 SW Blaylock Ct Lake City 32024

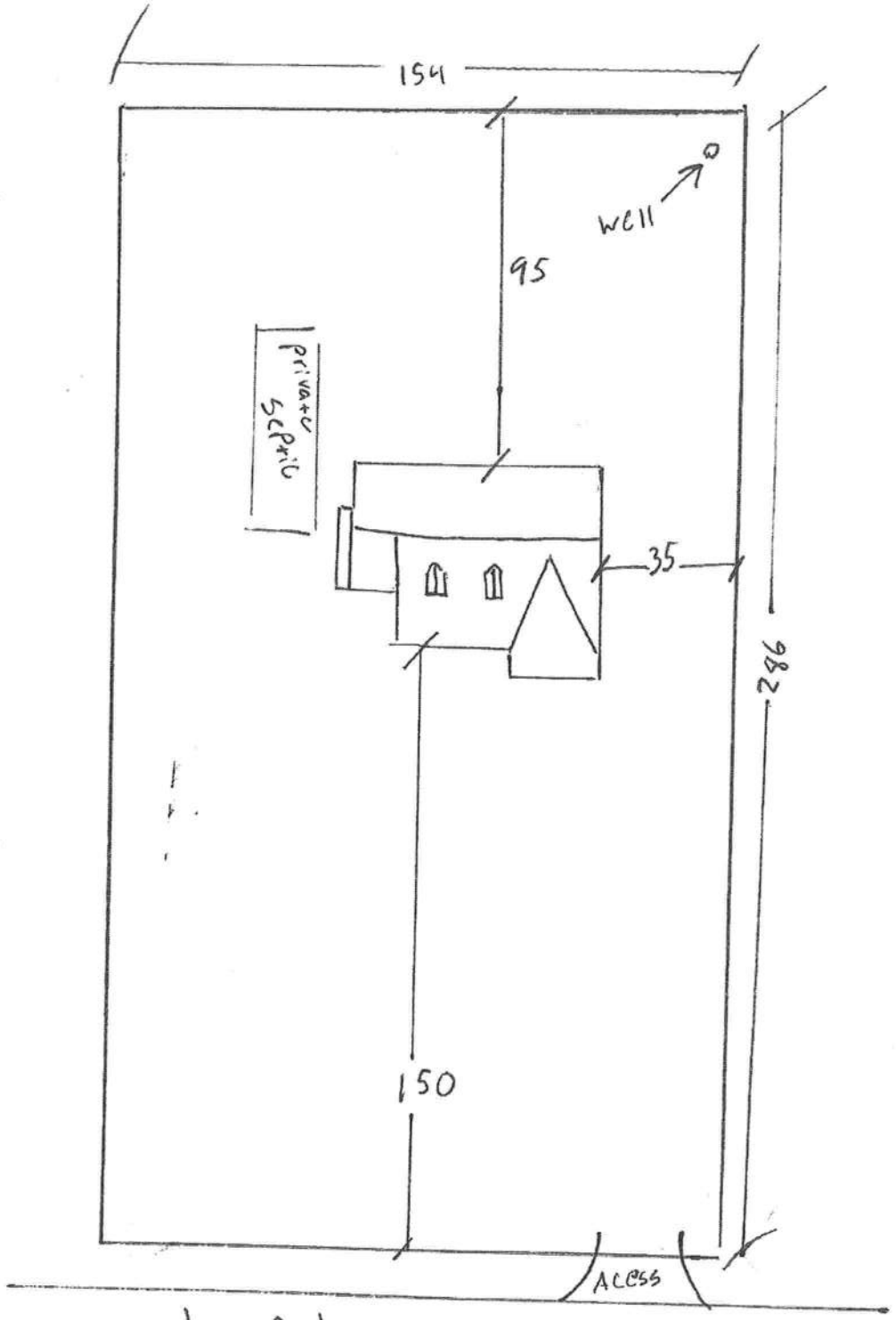
1 HP 15 GPM submersible pump, 1" drop pipe, 35 gallon captive tank, and backflow prevention. With SRWMD permit.

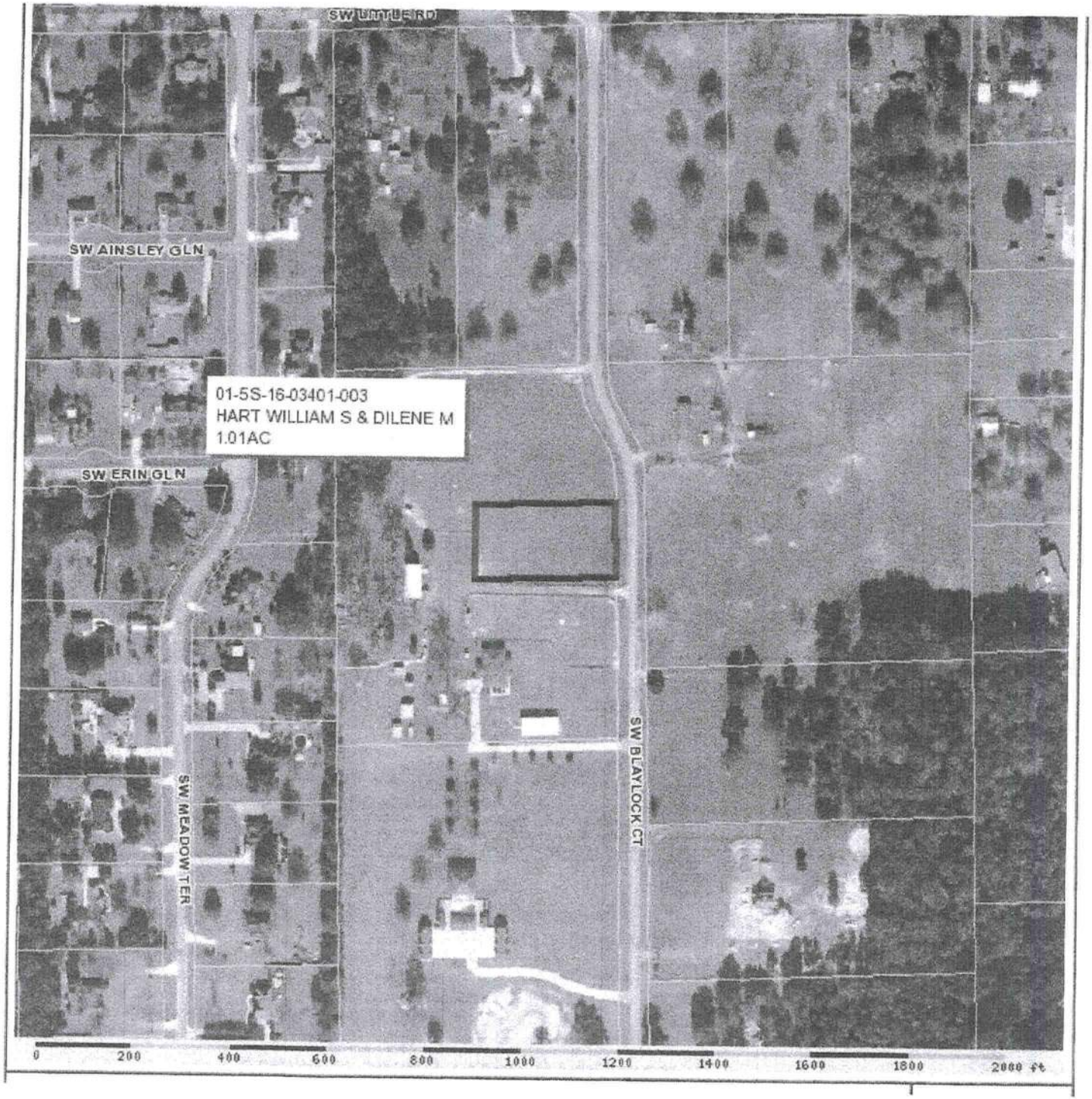
Bruce N Park

Sincerely,
Bruce N. Park
President

Hart Residence 4-29-16

Parcel id # 01-5S-16-03401-003




SW LITTLE RD
SW AINSLEY GLN
01-5S-16-03401-003
HART WILLIAM S & DILENE M
1.01AC
SW ERIN GLN
SW MEADOW TER
SW BLAYLOCK CT
0
200
400
600
800
1000
1200
1400
1600
1800
2000 ft

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst:201612007547 Date:5/3/2016 Time:4:26 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1314 P:1123

Tax Parcel Identification Number:

01-55-16-03401-003

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: _____
   a) Street *(job)* Address: 330 SW Blaylock Ct. Lake City FL 32024
2. General description of improvements: New Home Construction
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: Bill Hart 330 SW Blaylock ct Lake City FL 32024
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Isaiah Cully 585 SW Bishop Ave Lake City FL 32024
   b) Telephone No.: 386 867 0046
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____
6. Lender
   a) Name and address: First Federal Savings Bank 4705 US Hwy 90 West Lake City FL 32055
   b) Phone No. 386 754 7150
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address: Isaiah Cully 585 SW Bishop Ave Lake City FL 32024
   b) Telephone No.: 386 867 0046
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name: _____ OF _____
   b) Telephone No.: _____
9. Expiration date of Notice of Commencement **(the expiration date will be 1 year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Isaiah Cully Contractor
Printed Name **and** Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 3 day of May, 2016, by:

Isaiah Cully as contractor for Bill Hart.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Ann M Raulerson Notary Stamp or Seal:

ANN MARIE RAULERSON
MY COMMISSION # EE 837271
EXPIRES: September 23, 2016
Bonded Thru Notary Public Underwriters

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide 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 assigning 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 Service 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 REQUESTED: 8/10/2015 **DATE ISSUED:** 8/11/2015

ENHANCED 9-1-1 ADDRESS:

330 SW BLAYLOCK CT

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

01-5S-16-03401-001

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL, NOTE: PARENT PARCEL NUMBER LISTED.

Address Issued By: SIGNED:/ RONAL N. CROFT
Columbia County 9-1-1 Addressing / GIS Department

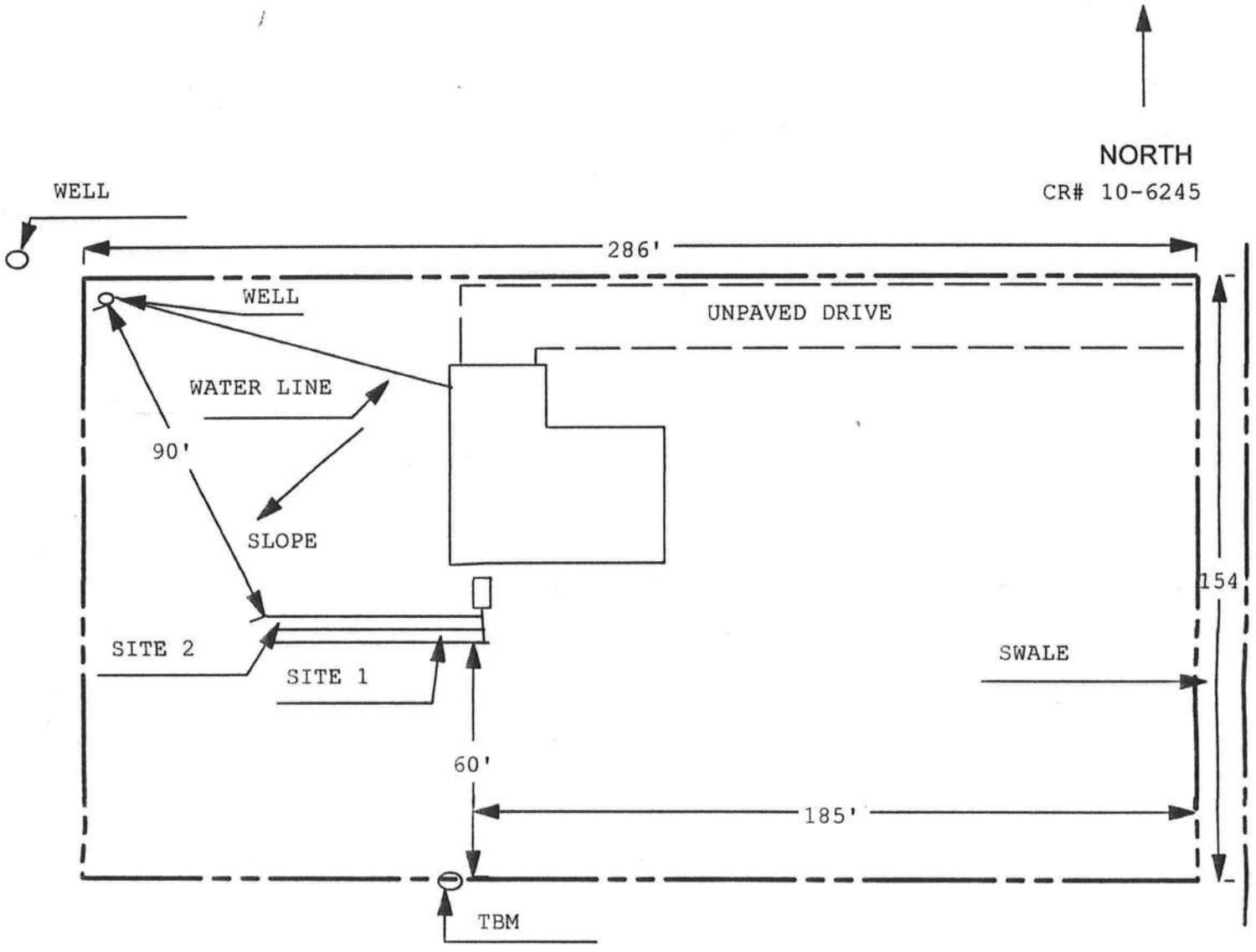
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

3300

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

Permit Application Number: 16-0299

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 3/3/16

Plan Approved ___ Not Approved ___ Date 5/13/16

By _____ Columbia CPHU

Notes: (corrected)

CR # 10-6245

PERMIT #. 16-0344

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

APPLICANT: WILLIAM HART AGENT: IC CONSTRUCTION

LOT: N/A BLOCK: N/A SUBDIVISION: METES AND BOUNDS

PROPERTY ID #: 01-5S-16-03401-003 [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTEMENT EMPLOYEE,OR OTHER QUALIFIED PERSON. ENGINNEERS MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE CONFORMS TO SITE PLAN: [X] YES [ ] NO NET USABLE AREA AVAILABLE: 1.000 ACRES
TOTAL ESTIMATED SEWAGE FLOW: 400 GALLONS PER DAY [RESIDENCES-TABLE 1/OTHER-TABLE2]
AUTHORIZED SEWAGE FLOW: 1,500 GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]
UNOBSTRUCTED AREA AVAILABLE: 1,200 SQFT UNOBSTRUCTED AREA REQUIRED: 750 SQFT

BENCHMARK/REFERENCE POINT LOCATION: NAIL IN FENCE POST SOUTH OF SYSTEM SITE
ELEVATION OF PROPOSED SYSTEM SITE IS 24 [INCHES] [BELOW] BENCHMARK/REFERENCE POINT

THE MINIMUM SETBACK WHICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES
SURFACE WATER: N/A FT DITCHES/SWALES: 185 FT NORMALLY WET? [ ] YES [X] NO
WELLS: PUBLIC: N/A FT LIMITED USE: N/A FT PRIVATE: 100 FT NON-POTABLE: N/A FT
BUILDING FOUNDATIONS: 5 FT PROPERTY LINES: 60 FT POTABLE WATER LINES: 40 FT

SITE SUBJECT TO FREQUENT FLOODING: [ ] YES [X] NO 10 YEAR FLOODING? [ ] YES [X] NO
10 YEAR FLOOD ELEVATION FOR SITE: N/A FT MSL/NGVD SITE ELEVATION: N/A FT MSL/NGVD

ELEVATION 24 INCHES BELOW
SOIL PROFILE INFORMATION SITE 1

MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 4/2	FS	0 TO 10
10YR 5/3	FS	10 TO 22
10YR 6/2	FS	22 TO 36
10YR 7/2	FS	36 TO 40
10YR 7/4	SL	40 TO 60
10YR 7/2	SCL	60 TO 72
		TO
		TO
10YR 7/6	RF CMN/DST	36 TO 40

USDA SOIL SERIES: BLANTON LIKE

ELEVATION 24 INCHES BELOW
SOIL PROFILE INFORMATION SITE 2

MUNSELL #/COLOR	TEXTURE	DEPTH
10YR 4/2	FS	0 TO 12
10YR 5/3	FS	12 TO 25
10YR 6/2	FS	25 TO 38
10YR 7/2	FS	38 TO 45
10YR 7/4	SL	45 TO 68
10YR 7/2	SCL	68 TO 72
		TO
		TO
10YR 7/6	RF CMN/DST	38 TO 45

USDA SOIL SERIES: BLANTON LIKE

OBSERVED WATER TABLE: >72 INCHES [BELOW] EXISTING GRADE. TYPE:[PERCHED
ESTIMATED WET SEASON WATER TABLE ELEVATION: 36 INCHES [BELOW] EXISTING GRADE
HIGH WATER TABLE VEGETATION: | |YES |X|NO MOTTLING: |X|YES | |NO DEPTH: 36 INCHES

SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: FS / 0.80 DEPTH OF EXCAVATION: 0 INCHES
DRAINFIELD CONFIGURATION: |X|TRENCH | |BED | |OTHER (SPECIFY)
REMARKS/ADDITIONAL CRITERIA:

SITE EVALUATED BY: Paul Lloyd DATE: 03/30/2016

PERMIT #: 12-SC-1679465
APPLICATION #: AP1237750
DATE PAID: 5/2/16
FEE PAID: 310.00
RECEIPT #: 2933079
DOCUMENT #: PR1018139

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

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: WILLIAM**16-0299 HART

PROPERTY ADDRESS: 330 SW BLAYLOCK Ct Lake City, FL 32024

LOT: _____ BLOCK: _____ SUBDIVISION: _____

PROPERTY ID #: 03401-003 [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 [1,050] 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 [500] SQUARE FEET Drainfield SYSTEM
R [ ] SQUARE FEET N/A SYSTEM
A TYPE SYSTEM: [x] STANDARD [ ] FILLED [ ] MOUND [ ] _____
I CONFIGURATION: [x] TRENCH [ ] BED [ ] _____
N
F LOCATION OF BENCHMARK: Nail in fence post south of system site.
I ELEVATION OF PROPOSED SYSTEM SITE [24.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [36.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [6.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

O T H E R

The system is sized for 3 bedrooms with a maximum occupancy of 6 persons (2 per bedroom), for a total estimated flow of 400 gpd.
The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with s. 64E-6.013(3)(f), FAC.

SPECIFICATIONS BY: PAUL LLOYD TITLE: PSE

APPROVED BY: Jeremy X Gifford TITLE: Environmental Specialist I Columbia CHD

DATE ISSUED: 05/13/2016 EXPIRATION DATE: 11/13/2017

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64E-6.003, FAC

v 1.1.4 AP1237750 SE995646

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL CHECK LIST

1604-85

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015 AND THE NATIONAL ELECTRICAL 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

Revised 7/1/15

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	**No**	**N/A**
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	**Condition space (Sq. Ft.)**		**Total (Sq. Ft.) under roof**	IIIIIIII	IIIIIIII	IIIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

Wind-load Engineering Summary, calculations and any details are required.

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	**Plans or specifications must show compliance with FBCR Chapter 3**	IIIIII	IIIII	IIIIII
		YES	**NO**	**N/A**
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	✓		
18	Location and size of skylights with Florida Product Approval	✓		
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	✓		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)			
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.			
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			
28	Identify accessibility of bathroom (see FBCR SECTION 320)			

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans
(see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.		X	
32	Assumed load-bearing valve of soil _____ Pound Per Square Foot		X	
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3		✓	

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		✓

FBCR 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	✓		

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type			X
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			
42	Attachment of joist to girder			
43	Wind load requirements where applicable			
44	Show required under-floor crawl space			
45	Show required amount of ventilation opening for under-floor spaces			
46	Show required covering of ventilation opening			
47	Show the required access opening to access to under-floor spaces			
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing			
49	Show Draftstopping, Fire caulking and Fire blocking			
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6			
51	Provide live and dead load rating of floor framing systems (psf).			

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCB 2308.9.5	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.7.1 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Energy Conservation R.401

Residential construction shall comply with this code by using the following compliance methods in the Residential buildings compliance methods. **Two of the required forms are to be submitted**, *R 402-2014 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form R 402-2014, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space	✓		
75	Exterior wall cavity	✓		✓
76	Crawl space			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	✓		
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power			✓
83	Reservoir pressure tank gallon capacity 45	✓		
84	Rating of cycle stop valve if used			✓

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device. NEC 210.12A	✓		

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031		X	
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.		X	
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations		X	
99	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	✓		
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			X
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)** Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.			✓
102	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation 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 such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.
Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.
Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.
Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.
Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:
Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:
Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:
When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Plast Pro	FL 14403.1 ✓	
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	YKK	FL 17169.1 ✓	
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardi	FL. 13192-R4 ✓	
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Gaf	FL. 1165.28 R1 ✓	
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

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.

4-28-16

Contractor OR Agent Signature Date

NOTES: _____

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

RE: 771231 - Hart Residence

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

Site Information:
Customer Info: IC Const., LLC Project Name: 771231 Model: Hart Res.
Lot/Block: Subdivision:
Address: 330 SW Blaylock Court
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: Unknown at time of seals License #: Unknown at time of seals
Address: Unknown at time of seals
City: Unknown at time of seals State: Unknown at time of seals

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 120 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 25 individual, dated 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	No.	Seal#	Truss Name	Date
1	T8521102	PB1	4/28/016	18	T8521119	T08G	4/28/016
2	T8521103	PB1G	4/28/016	19	T8521120	T09	4/28/016
3	T8521104	PB2	4/28/016	20	T8521121	T09G	4/28/016
4	T8521105	PB2G	4/28/016	21	T8521122	T10	4/28/016
5	T8521106	PB3	4/28/016	22	T8521123	T10G	4/28/016
6	T8521107	PB3G	4/28/016	23	T8521124	T11	4/28/016
7	T8521108	PB4	4/28/016	24	T8521125	T11G	4/28/016
8	T8521109	PB4G	4/28/016	25	T8521126	T12	4/28/016
9	T8521110	T01	4/28/016				
10	T8521111	T01G	4/28/016				
11	T8521112	T02	4/28/016				
12	T8521113	T03	4/28/016				
13	T8521114	T04	4/28/016				
14	T8521115	T05	4/28/016				
15	T8521116	T06	4/28/016				
16	T8521117	T07	4/28/016				
17	T8521118	T08	4/28/016				

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

Truss Design Engineer's Name: Finn, Walter
My license renewal date for the state of Florida is February 28, 2017.

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
April 28,2016

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB1	Piggyback	13	1	T8521102

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:02 2016 Page 1

ID:SySh_fuVfS98?6ALClrZsezezL1-0y6XPcWqoVs21XtpJhf2QeMh?gSMSre81709d?zMDp3

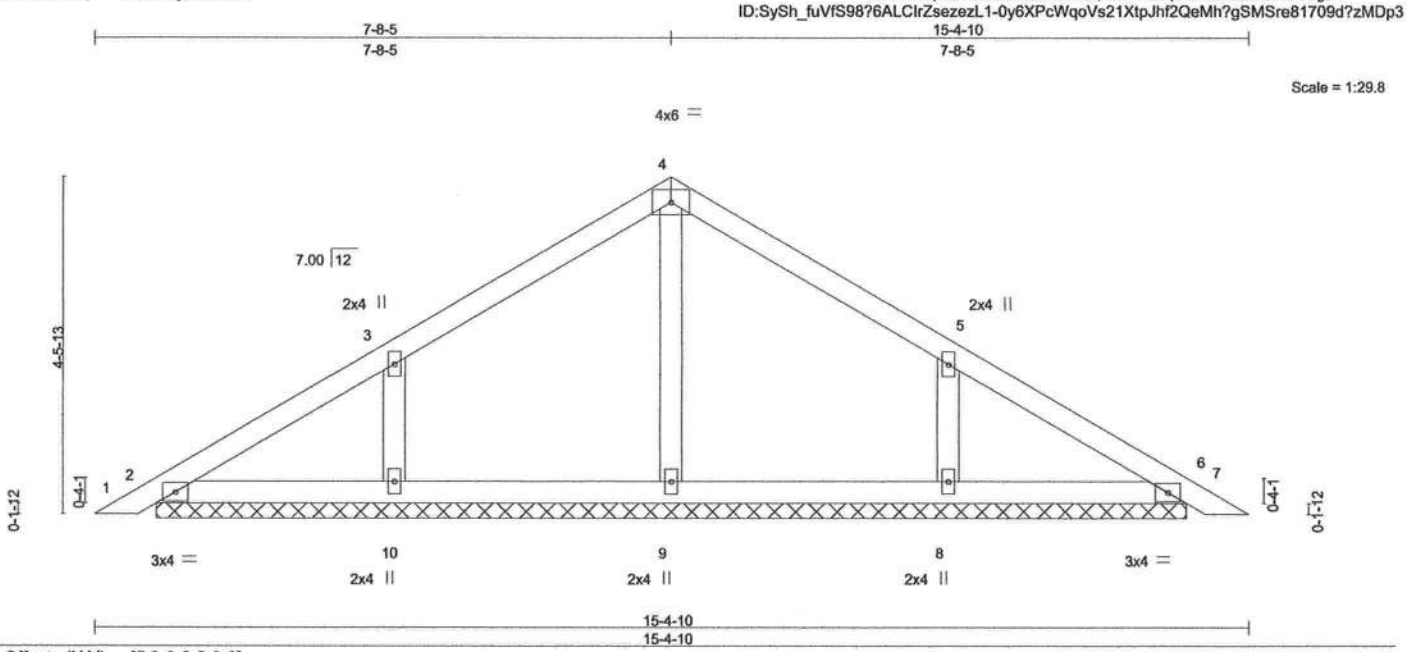


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0]

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	0.14	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(TL)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix)							Weight: 57 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 13-8-11.
(lb) - Max Horz 2=-73(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=297(LC 23), 8=297(LC 24)

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

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB1G	GABLE	1	1	T8521103

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:03 2016 Page 1

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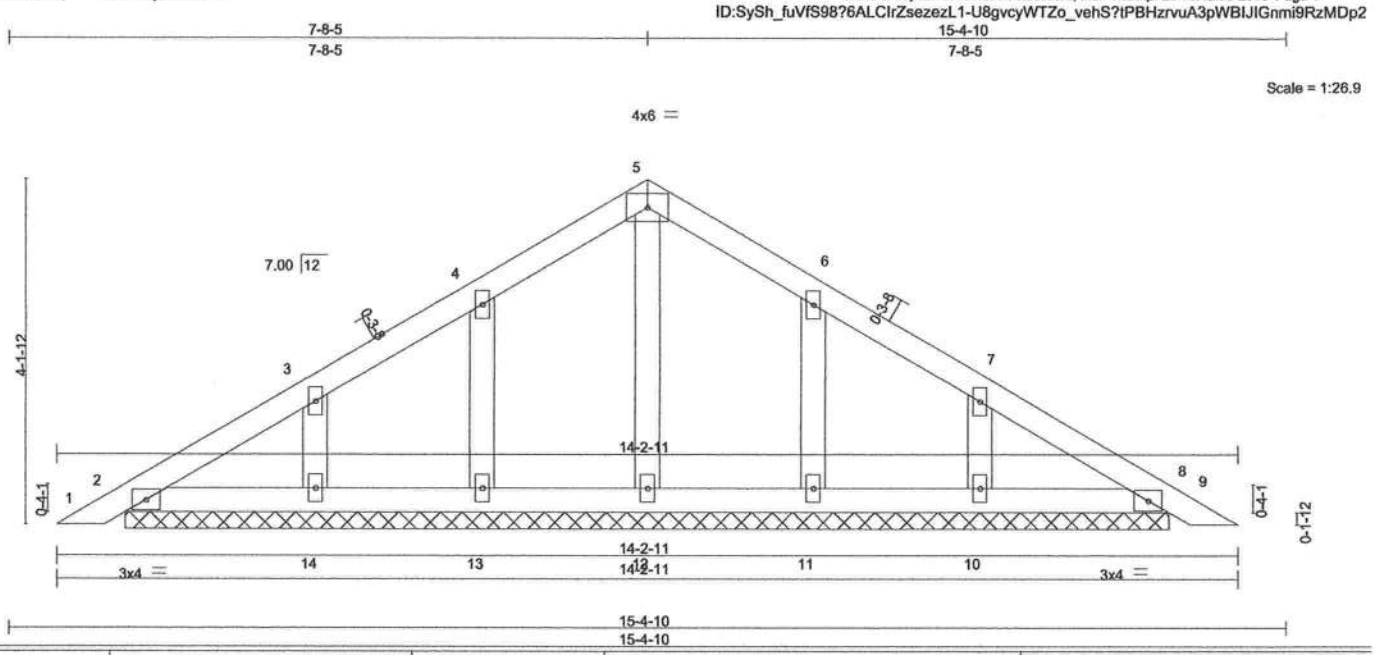

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 58 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-6-13.
(lb) - Max Horz 2=84(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521104
771231	PB2	Piggyback	12	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:03 2016 Page 1

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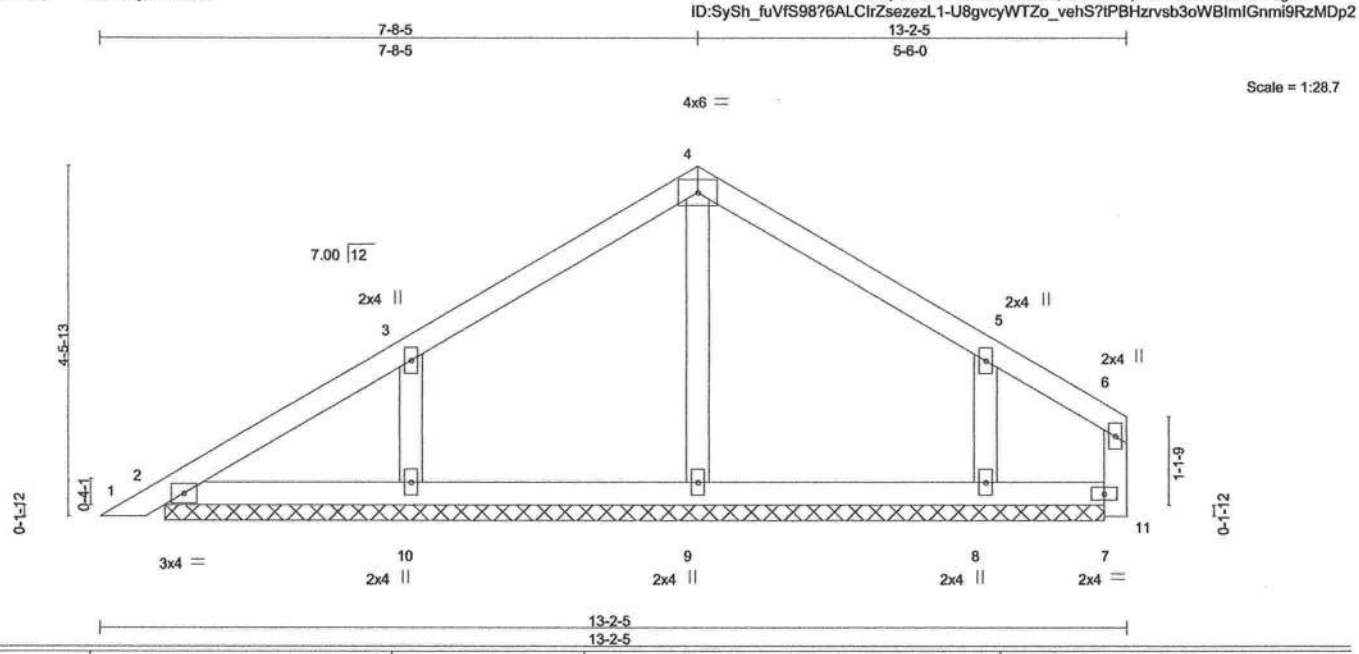

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 53 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-0-14.
(lb) - Max Horz 2=70(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 7 except 9=253(LC 1), 10=296(LC 23), 8=253(LC 24)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 10, 8.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB2G	GABLE	1	1	T8521105

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:04 2016 Page 1

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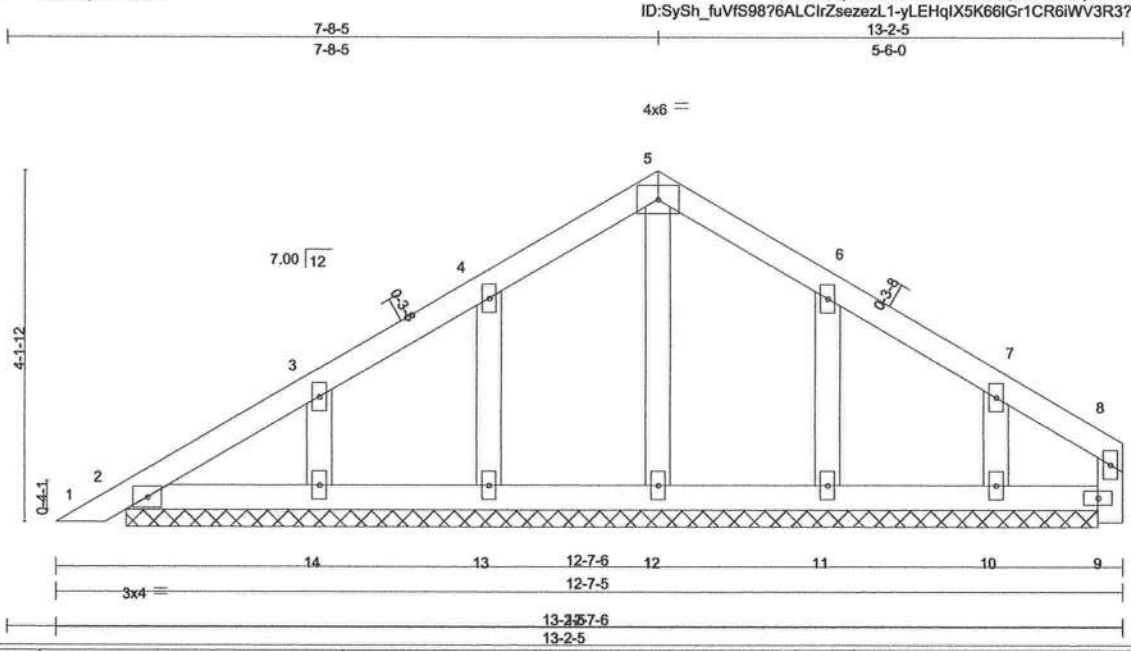

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 55 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 11-5-14.
(lb) - Max Horz 2=80(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 12, 13, 14, 11, 10, 2

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

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 14, 11, 10, 2.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

April 28,2016

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB3	Piggyback	4	1	T8521106

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:05 2016 Page 1

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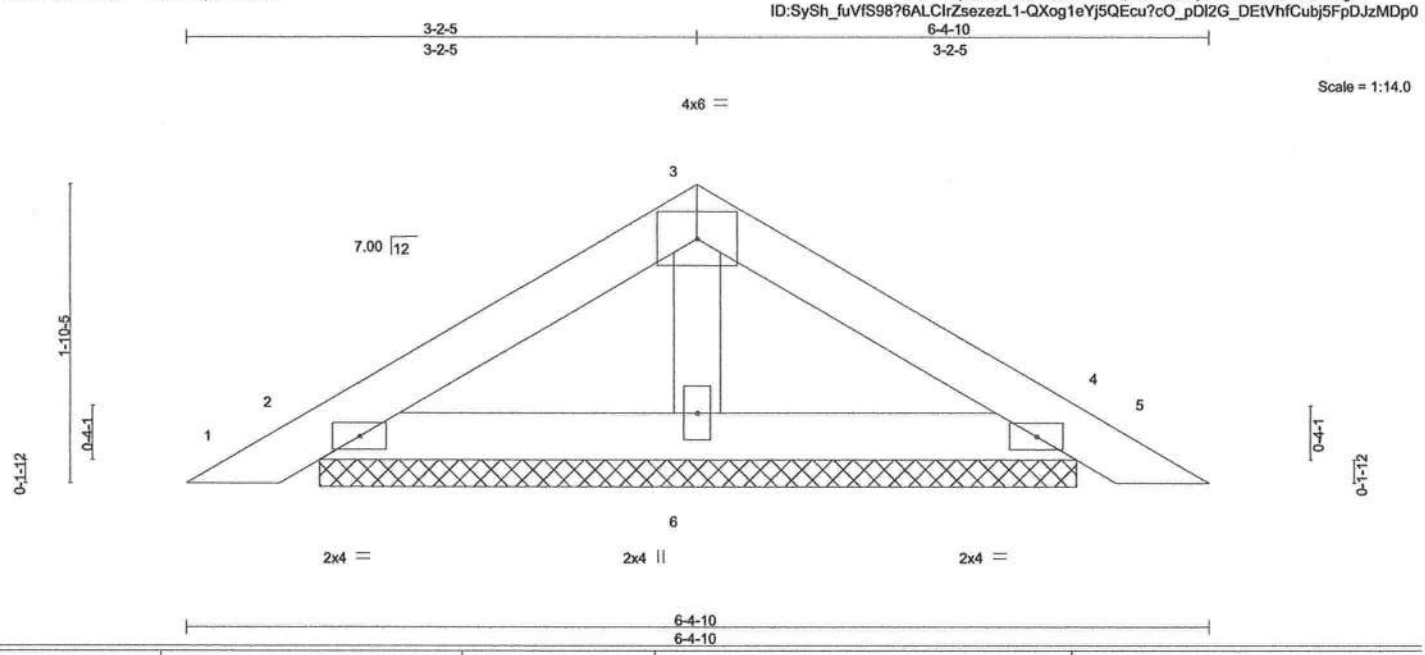

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 20 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=123/4-8-11, 4=123/4-8-11, 6=163/4-8-11
Max Horz 2=-29(LC 10)
Max Uplift2=-20(LC 12), 4=-23(LC 13)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521107
771231	PB3G	Piggyback	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:05 2016 Page 1

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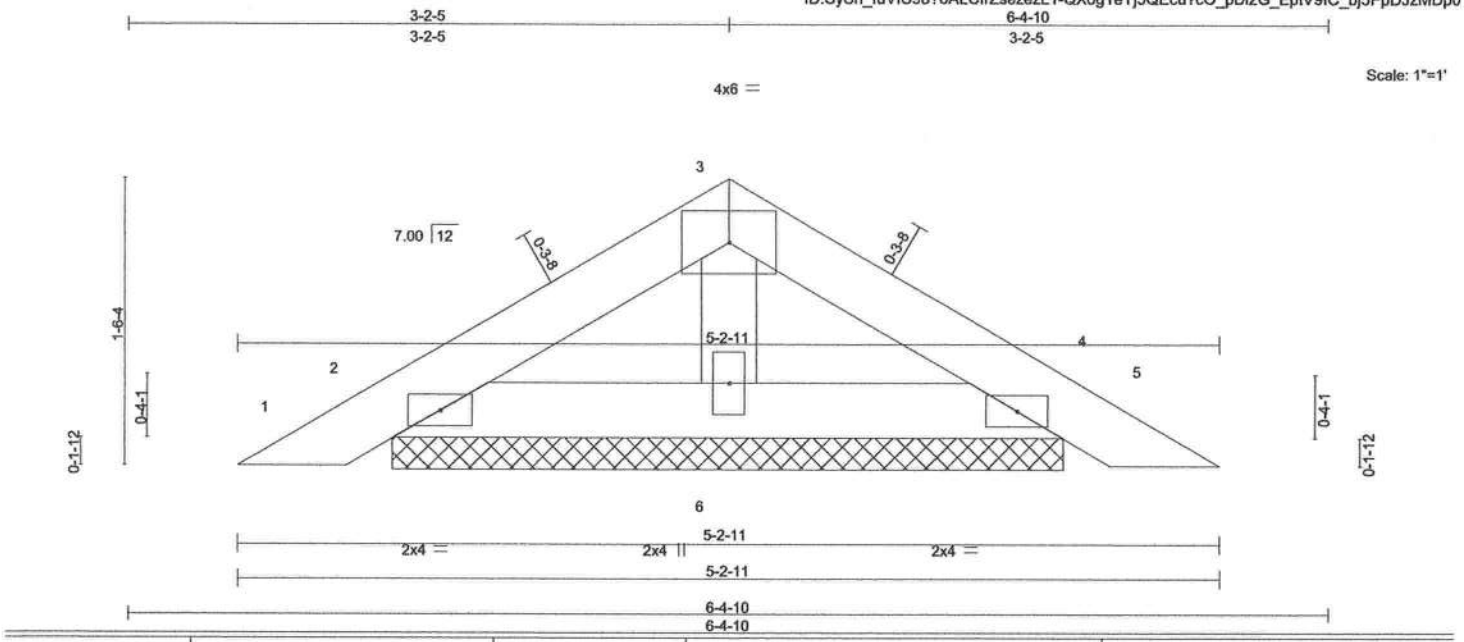

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 15 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=101/3-6-13, 4=101/3-6-13, 6=120/3-6-13
Max Horz 2=29(LC 11)
Max Uplift 2=-32(LC 12), 4=-36(LC 13), 6=-7(LC 12)

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

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB4	Piggyback	12	1	T8521108

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:06 2016 Page 1

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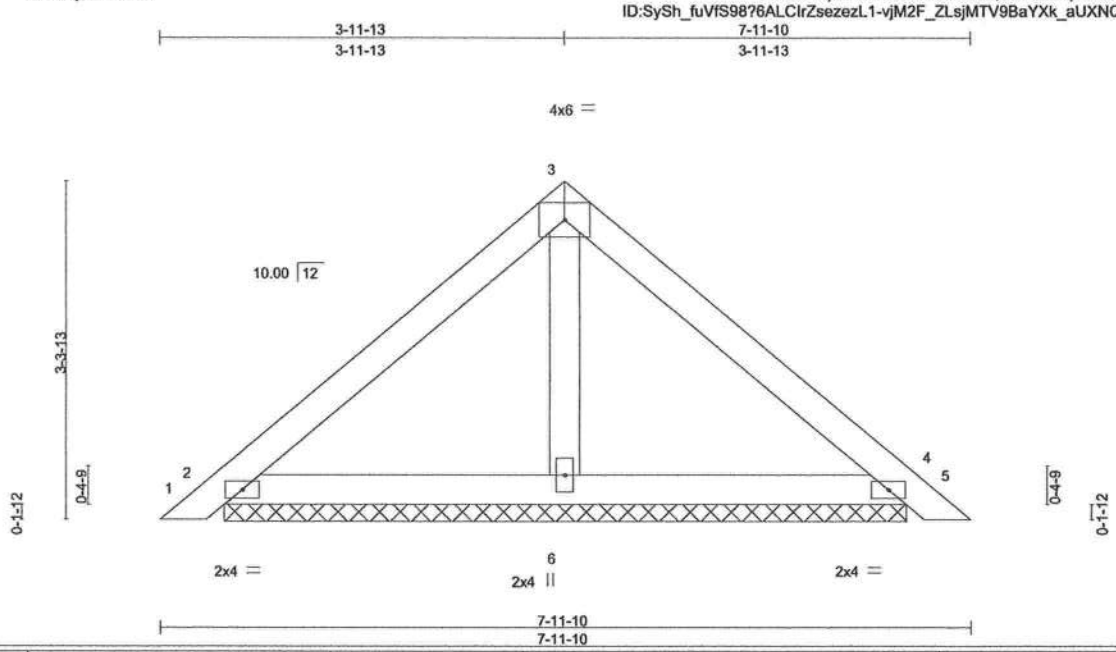

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 29 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=164/6-8-7, 4=164/6-8-7, 6=212/6-8-7
Max Horz 2=-53(LC 10)
Max Uplift 2=-24(LC 12), 4=-29(LC 13)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	PB4G	GABLE	1	1	T8521109

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:06 2016 Page 1

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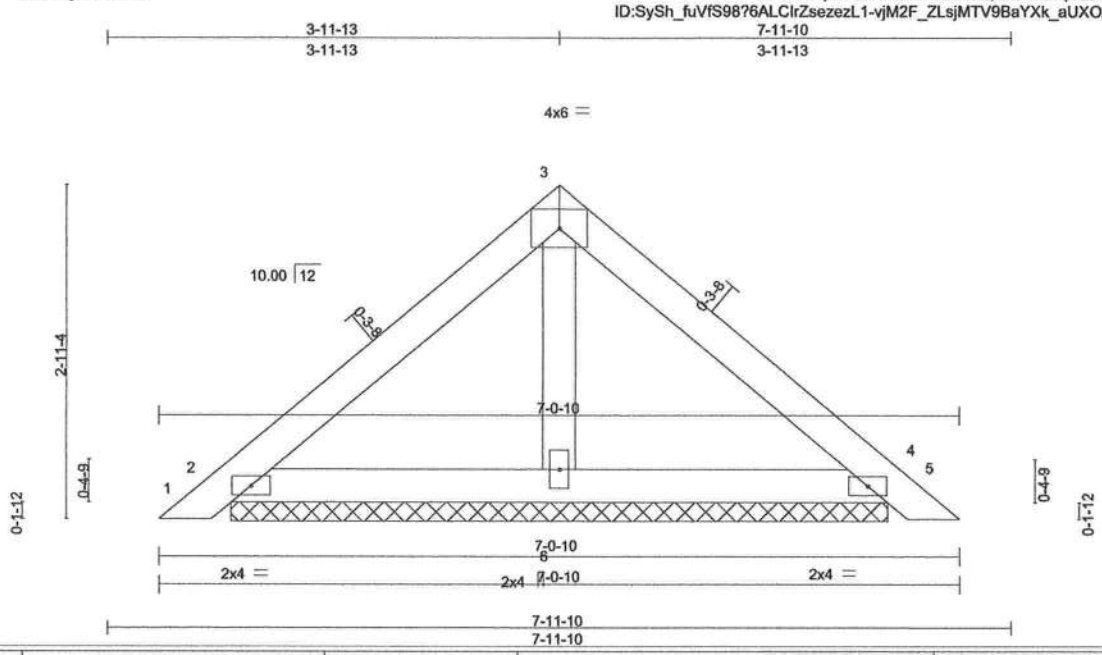

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(TL)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 25 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=145/5-9-8, 4=145/5-9-8, 6=182/5-9-8
Max Horz 2=58(LC 11)
Max Uplift 2=-41(LC 12), 4=-48(LC 13), 6=-7(LC 12)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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April 28,2016

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	
771231	T01	Piggyback Base	2	1	Job Reference (optional)	T8521110

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:08 2016 Page 1

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-2-0-0	6-1-12	9-1-12	17-5-11	25-2-0	32-10-5	41-2-4	44-2-4	50-4-0	52-4-0
2-0-0	6-1-12	3-0-0	8-3-15	7-8-5	7-8-5	8-3-15	3-0-0	6-1-12	2-0-0

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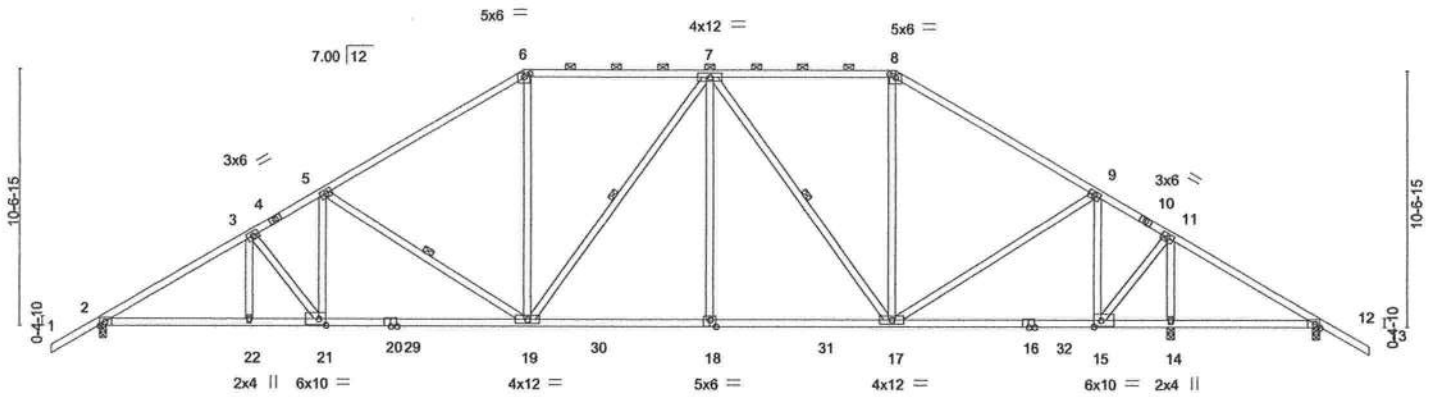


6-1-12	9-1-12	17-5-11	25-2-0	32-10-5	41-2-4	44-2-4	50-4-0
6-1-12	3-0-0	8-3-15	7-8-5	7-8-5	8-3-15	3-0-0	6-1-12

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [15:0-3-8,0-3-0], [18:0-3-0,0-3-4], [21:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.19	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(TL)	-0.46	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.13	14	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix-M)							Weight: 314 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 4-6,8-10: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 7-19,7-17: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except 2-0-0 oc purlins (3-8-8 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19, 7-19, 7-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1701/0-3-8, 14=2209/0-3-8, 12=30/0-3-8
Max Horz 2=192(LC 11)
Max Uplift 2=-129(LC 12), 14=-84(LC 13), 12=-195(LC 25)
Max Grav 2=1701(LC 1), 14=2226(LC 2), 12=106(LC 24)

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

TOP CHORD 2-3=-2669/639, 3-4=-2486/644, 4-5=-2433/652, 5-6=-1999/574, 6-7=-1649/553, 7-8=-1251/464, 8-9=-1542/472, 9-10=-609/239, 10-11=-669/231, 11-12=-99/720
BOT CHORD 2-22=-437/2329, 21-22=-437/2329, 21-29=-406/2254, 20-29=-406/2254, 19-20=-406/2254, 19-30=-217/1716, 18-30=-217/1716, 18-31=-217/1716, 17-31=-217/1716, 16-17=-42/550, 16-32=-42/550, 15-32=-42/550, 14-15=-559/181, 12-14=-559/181
WEBS 5-21=-3/358, 5-19=-710/246, 6-19=-105/635, 7-19=-259/143, 7-18=0/428, 7-17=-847/178, 8-17=-53/441, 9-17=-94/851, 9-15=-1196/325, 11-15=-328/1742, 11-14=-2140/479

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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
3) Provide adequate drainage to prevent water ponding.
4) All plates are 4x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=129, 12=195.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

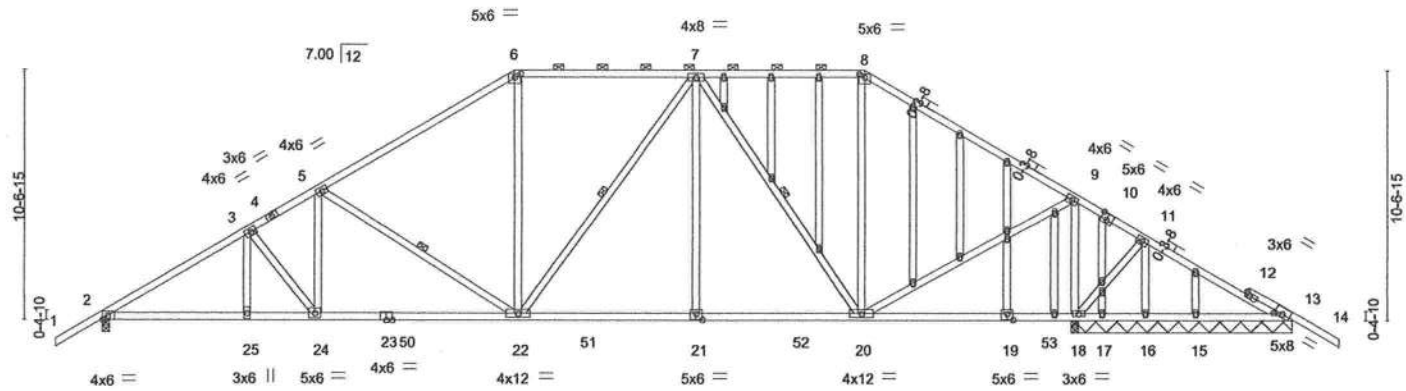
Job	Truss	Truss Type	Qty	Ply	Hart Residence	
771231	T01G	GABLE	1	1	Job Reference (optional)	T8521111

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:10 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-nVbY4Lcswysv_mULnNpwlKhx?u0UKD7KtNyauXzMDox

2-0-0	6-1-12	9-1-12	17-5-11	25-2-0	32-3-6	41-2-4	44-2-4	50-4-0	52-4-0
2-0-0	6-1-12	3-0-0	8-3-15	7-8-5	7-1-6	8-10-14	3-0-0	6-1-12	2-0-0

Scale = 1:94.8



6-1-12	9-1-12	17-5-11	25-2-0	32-3-6	41-0-8	41-2-4	44-2-4	50-4-0
6-1-12	3-0-0	8-3-15	7-8-5	7-1-6	8-9-2	0-1-12	3-0-0	6-1-12

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [10:0-3-0,0-3-4], [13:0-4-1,0-1-12], [19:0-3-0,0-3-0], [21:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.17	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(TL)	-0.42	22-24	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.10	18	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix-M)							Weight: 379 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 4-6,8-10: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 7-22,7-20: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except 2-0-0 oc purlins (4-0-1 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-22, 7-22, 7-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 9-3-8 except (jt=length) 2=0-3-8.
(lb) - Max Horz 2=-240(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15, 13 except 2=-298(LC 12), 18=-234(LC 12), 16=-274(LC 25), 17=-258(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 16, 15, 13, 13 except 2=1570(LC 1), 18=2438(LC 2), 18=2354(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2419/575, 3-4=-2222/579, 4-5=-2169/587, 5-6=-1732/508, 6-7=-1417/495, 7-8=-876/371, 8-9=-1120/362, 9-10=-84/617, 10-11=-94/582, 11-12=-98/422, 12-13=-120/316
BOT CHORD 2-25=-388/2091, 24-25=-388/2091, 24-50=-348/2007, 23-50=-348/2007, 22-23=-348/2007, 22-51=-244/1380, 21-51=-244/1380, 21-52=-244/1380, 20-52=-244/1380, 19-20=-466/220, 19-53=-466/220, 18-53=-466/220, 17-18=-310/192, 16-17=-310/192, 15-16=-310/192, 13-15=-310/192
WEBS 5-24=-9/360, 5-22=-727/274, 6-22=-69/497, 7-21=0/411, 7-20=-938/224, 8-20=-37/273, 9-20=-258/1534, 9-18=-1935/534, 11-18=-320/73, 11-16=-105/330

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 13, 13 except (jt=lb) 2=298, 18=234, 16=274, 17=258.

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	T01G	GABLE	1	1	T8521111
					Job Reference (optional)

NOTES- (12)

10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521112
771231	T02	Piggyback Base	2	1	Job Reference (optional)	

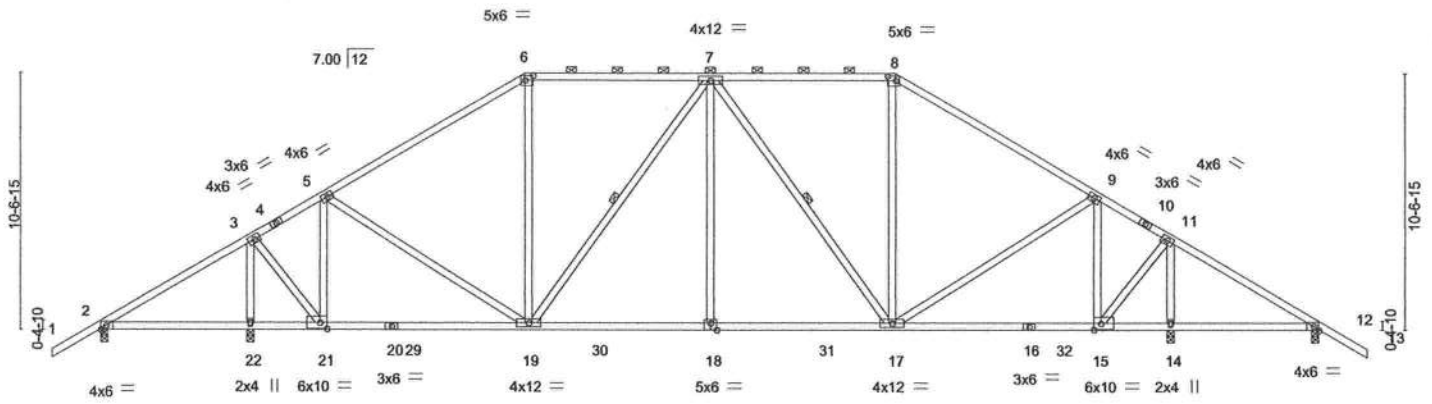
Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:11 2016 Page 1

ID:SySh_fuVfS98?6ALClrZsezezL1-Fh9xIhdUhG_mcw3YL4K9HXE6BIOG3neT61i7QzzMDow

-2-0-0	6-1-12	9-1-12	17-5-11	25-2-0	32-10-5	41-2-4	44-2-4	50-4-0	52-4-0
2-0-0	6-1-12	3-0-0	8-3-15	7-8-5	7-8-5	8-3-15	3-0-0	6-1-12	2-0-0

Scale = 1:92.3



6-1-12	9-1-12	17-5-11	25-2-0	32-10-5	41-2-4	44-2-4	50-4-0
6-1-12	3-0-0	8-3-15	7-8-5	7-8-5	8-3-15	3-0-0	6-1-12

Plate Offsets (X,Y)-- [6:0-4-0,0-2-4], [8:0-4-0,0-2-4], [15:0-3-8,0-3-0], [18:0-3-0,0-3-4], [21:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.12	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(TL)	-0.30	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.06	14	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix-M)							Weight: 314 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 4-6,8-10: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 7-19,7-17: 2x4 SP No.2

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-192(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 12 except 22=-134(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 12 except 22=1761(LC 2), 14=1761(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-92/399, 3-4=-724/249, 4-5=-664/258, 5-6=-1328/425, 6-7=-1065/423, 7-8=-1065/422, 8-9=-1328/424, 9-10=-681/255, 10-11=-740/247, 11-12=-17/338
BOT CHORD 2-22=-289/108, 21-22=-289/108, 21-29=-88/694, 20-29=-88/694, 19-20=-88/694, 19-30=-130/1331, 18-30=-130/1331, 18-31=-130/1331, 17-31=-130/1331, 16-17=-57/618, 16-32=-57/618, 15-32=-57/618
WEBS 3-22=-1716/379, 3-21=-246/1361, 5-21=-891/259, 5-19=-42/557, 6-19=-28/338, 7-19=-524/113, 7-18=0/428, 7-17=-524/112, 8-17=-28/338, 9-17=-77/557, 9-15=-891/257, 11-15=-241/1350, 11-14=-1682/377

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 12 except (jt=lb) 22=134.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521113
771231	T03	Piggyback Base	1	1	Job Reference (optional)	

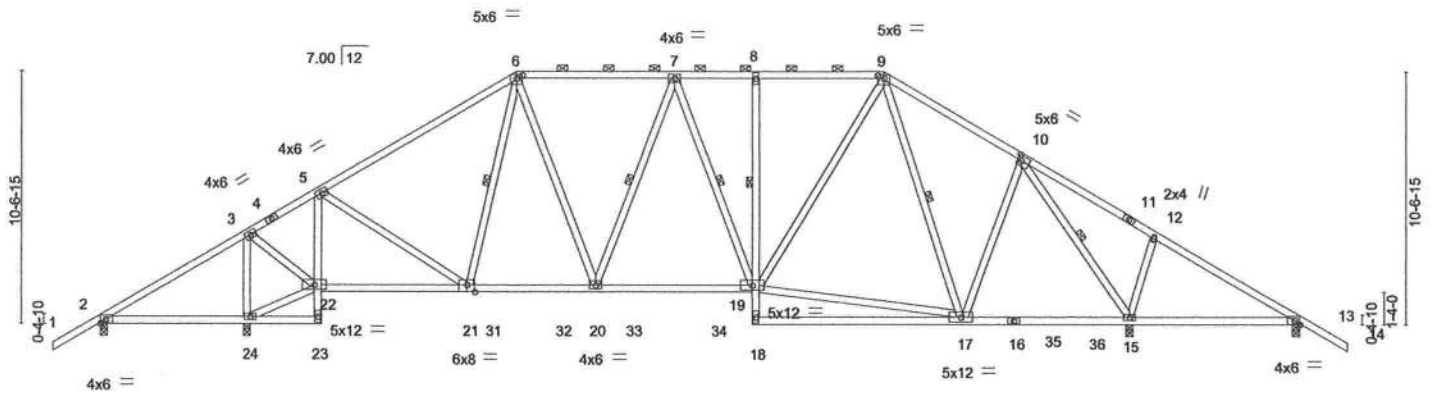
Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:12 2016 Page 1

ID:SySh_fuVfS9876ALCIrZsezezL1-jtjJV1d6SZ6dD4ekvorOqlmFHilioDgdKhRgyPzMDov

-2-0-0	6-1-12	9-3-8	17-5-11	24-0-14	27-4-8	32-10-5	38-7-13	44-2-12	50-4-0	52-4-0
2-0-0	6-1-12	3-1-12	8-2-3	6-7-3	3-3-10	5-5-13	5-9-9	5-6-15	6-1-4	2-0-0

Scale = 1:93.9



6-1-12	9-3-8	15-3-13	20-9-5	27-4-8	36-1-4	43-2-4	50-4-0
6-1-12	3-1-12	6-0-5	5-5-8	6-7-3	8-8-12	7-1-0	7-1-12

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [9:0-3-0,0-1-12], [10:0-2-0,0-2-8], [21:0-4-0,Edge]

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	0.79	Vert(LL)	-0.16	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(TL)	-0.43	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.08	15	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 338 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23,8-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-2 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-19
WEBS 1 Row at midpt 6-21, 7-20, 7-19, 9-17, 10-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-192(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-149(LC 26), 24=-161(LC 9), 15=-112(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2 except 24=1955(LC 1), 15=1718(LC 1), 13=274(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-134/778, 3-4=-549/191, 4-5=-476/203, 5-6=-1242/387, 6-7=-1157/419, 7-8=-1222/440, 8-9=-1221/441, 9-10=-995/382, 10-11=0/327
BOT CHORD 2-24=-560/168, 5-22=-966/256, 21-22=-98/550, 21-31=-92/1027, 31-32=-92/1027, 20-32=-92/1027, 20-33=-104/1240, 33-34=-104/1240, 19-34=-104/1240, 17-35=-23/641, 16-35=-23/641, 16-36=-23/641, 15-36=-23/641
WEBS 3-24=-1557/341, 22-24=-621/197, 3-22=-209/1272, 6-20=-70/515, 7-20=-342/111, 17-19=-33/872, 9-19=-120/676, 9-17=-408/105, 10-17=-40/489, 10-15=-1561/330, 12-15=-283/177, 5-21=-35/620

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=149, 24=161, 15=112.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Continued on page 2

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Tampa, FL 36610

10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521114
771231	T04	Piggyback Base	4	1	Job Reference (optional)	

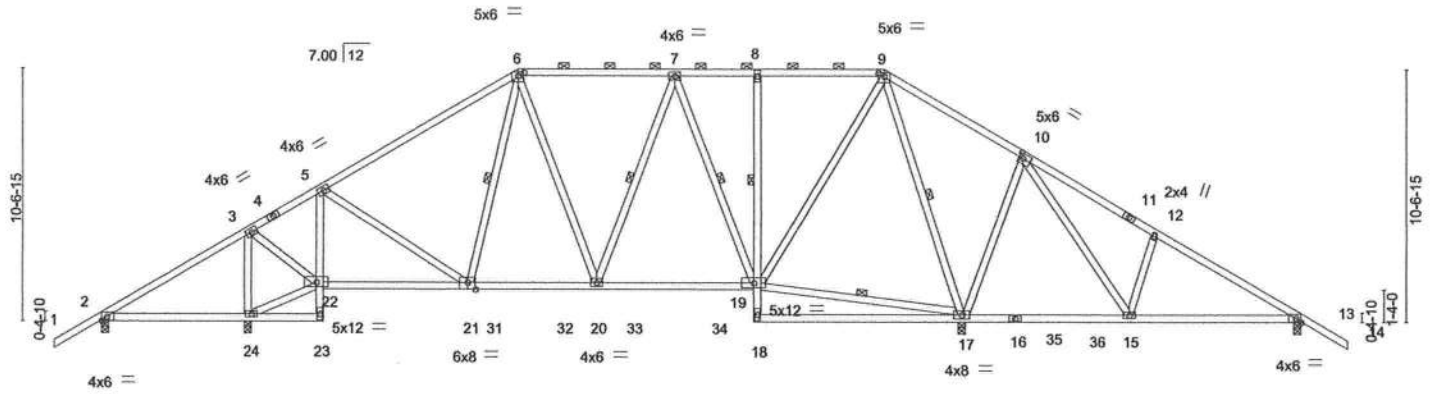
Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:14 2016 Page 1

ID:SySh_fuVfS987?ALCIrZsezezL1-gGr3wjfM_BMLTNo70CtsvAsdOVQmG5Tvo_wn1IzMDot

-2-0-0	6-1-12	9-3-8	17-5-11	24-0-14	27-4-8	32-10-5	38-7-13	44-2-12	50-4-0	52-4-0
2-0-0	6-1-12	3-1-12	8-2-3	6-7-3	3-3-10	5-5-13	5-9-8	5-6-15	6-1-4	2-0-0

Scale = 1:93.9



6-1-12	9-3-8	15-3-13	20-9-5	27-4-8	36-1-4	43-2-4	50-4-0
6-1-12	3-1-12	6-0-5	5-5-8	6-7-3	8-8-12	7-1-0	7-1-12

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [9:0-3-0,0-1-12], [10:0-2-0,0-2-8], [21:0-4-0,Edge]

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	0.69	Vert(LL)	-0.14	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(TL)	-0.37	17-18	>985	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.04	17	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 338 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23,8-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-19
WEBS 1 Row at midpt 6-21, 7-20, 7-19, 17-19, 9-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=192(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 24=-156(LC 9), 17=-198(LC 8), 13=-108(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2 except 24=1529(LC 23), 17=1852(LC 1), 13=472(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-132/582, 3-4=-480/154, 4-5=-406/166, 5-6=-914/277, 6-7=-727/279, 7-8=-556/227, 8-9=-556/228, 9-10=-30/446, 10-11=-169/285, 11-12=-229/264, 12-13=-320/222
BOT CHORD 2-24=-380/124, 5-22=-691/177, 21-22=-96/488, 21-31=-88/721, 31-32=-88/721, 20-32=-88/721, 20-33=-87/705, 33-34=-87/705, 19-34=-87/705
WEBS 3-24=-1226/237, 22-24=-420/149, 3-22=-113/968, 7-19=-406/145, 9-19=-182/870, 9-17=-1275/304, 10-17=-500/365, 10-15=-414/470, 12-15=-272/169, 5-21=-22/364

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 24=156, 17=198, 13=108.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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April 28,2016

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521115
771231	T05	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:15 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-8SOR82g_kUUC4XNJawO5SNOnHvlr?dr30egLZkzMDos

2-0-0	6-1-12	9-3-8	17-5-11	24-0-14	27-4-8	32-10-5	38-7-13	44-2-12	50-4-0	52-4-0
2-0-0	6-1-12	3-1-12	8-2-3	6-7-3	3-3-10	5-5-13	5-9-8	5-6-15	6-1-4	2-0-0

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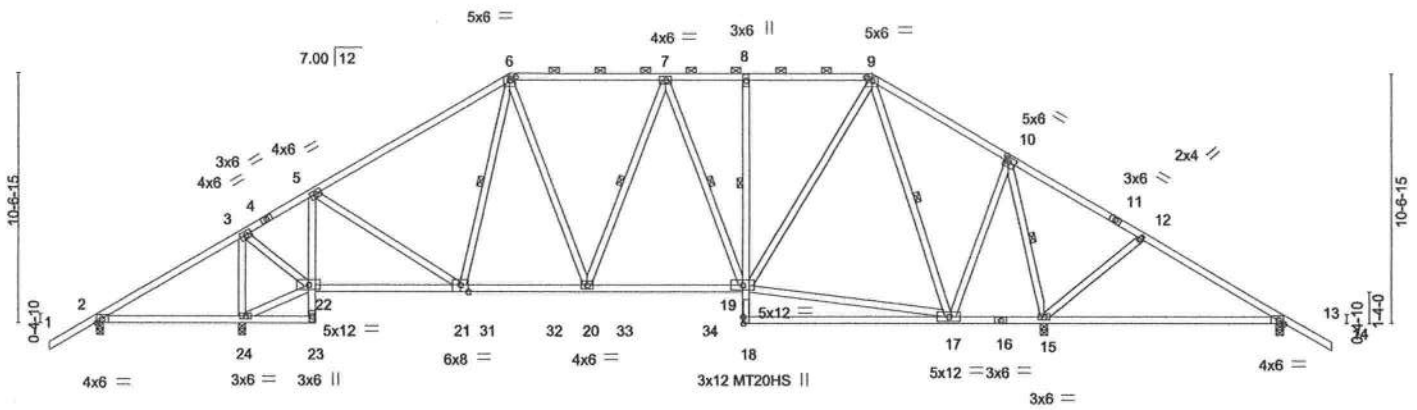

6-1-12	9-3-8	15-3-13	20-9-5	27-4-8	36-1-4	40-2-4	50-4-0
6-1-12	3-1-12	6-0-5	5-5-8	6-7-3	8-8-12	4-1-0	10-1-12

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [9:0-3-0,0-1-12], [10:0-2-4,0-2-8], [18:0-3-6,0-0-6], [21:0-4-0,Edge]

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	0.74	Vert(LL)	0.19	15-30	>652	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(TL)	-0.46	17-18	>893	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.06	15	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 339 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23,8-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-2-7 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-19
WEBS 1 Row at midpt 6-21, 7-20, 7-19, 9-17, 10-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=192(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-103(LC 26), 24=-163(LC 9), 15=-134(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2 except 24=1782(LC 1), 15=1718(LC 1), 13=399(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-134/691, 3-4=-527/184, 4-5=-453/196, 5-6=-1114/353, 6-7=-988/375, 7-8=-957/371, 8-9=-957/373, 9-10=-512/257, 10-11=0/310
BOT CHORD 2-24=-480/148, 5-22=-854/227, 21-22=-99/534, 21-31=-95/914, 31-32=-95/914, 20-32=-95/914, 20-33=-98/1033, 33-34=-98/1033, 19-34=-98/1033
WEBS 3-24=-1423/306, 22-24=-533/175, 3-22=-177/1147, 6-20=-65/388, 17-19=-34/577, 9-19=-145/757, 9-17=-722/138, 10-17=-46/768, 10-15=-1414/298, 12-15=-294/188, 5-21=-31/516

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 2=103, 24=163, 15=134.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Continued on page 2

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6904 Parke East Blvd. Tampa FL 33610
Date: April 28,2016

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	T05	Piggyback Base	2	1	T8521115
					Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521116
771231	T06	Piggyback Base	1	1	Job Reference (optional)	

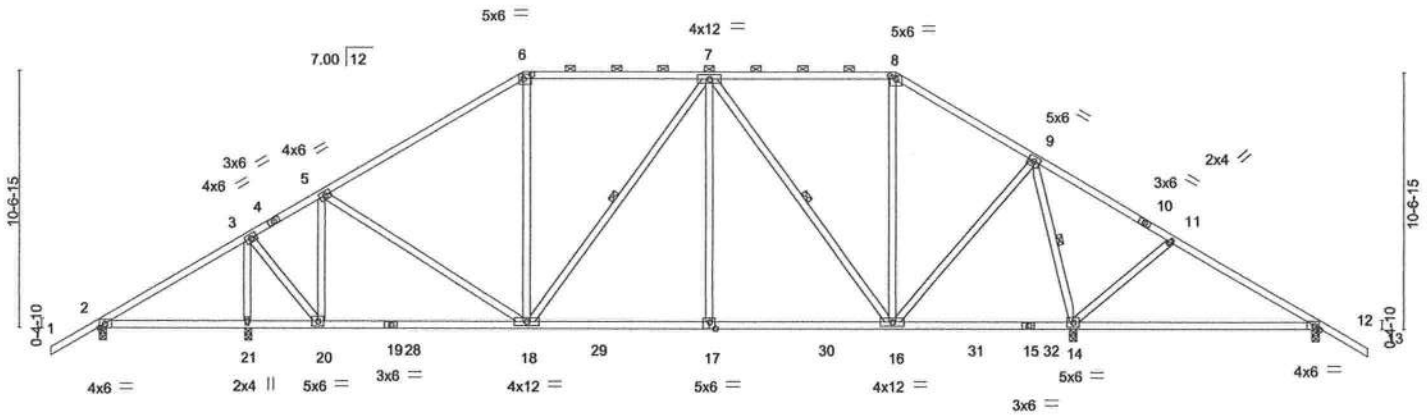
Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:16 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-ceyqLOhcVoc2ihyV8dvK_bxwRJ5?k2vCFIPu5BzMDor

-2-0-0	6-1-4	9-1-12	17-5-11	25-2-0	32-10-5	38-6-8	44-2-12	50-4-0	52-4-0
2-0-0	6-1-4	3-0-8	8-3-15	7-8-5	7-8-5	5-8-4	5-8-4	6-1-4	2-0-0

Scale = 1:92.3



6-1-12	9-1-12	17-5-11	25-2-0	32-10-5	40-2-4	50-4-0
6-1-12	3-0-0	8-3-15	7-8-5	7-8-5	7-3-15	10-1-12

Plate Offsets (X,Y)-- [6:0-4-0,0-2-4], [8:0-3-0,0-1-12], [17:0-3-0,0-3-4]

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	0.84	Vert(LL)	0.21	14-27	>588	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(TL)	-0.41	14-27	>299	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 311 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-18,7-16: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-5-5 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-18, 7-16, 9-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-192(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 21=-140(LC 9), 14=-121(LC 8), 12=-101(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=271(LC 23), 21=1560(LC 19), 14=1817(LC 2), 12=388(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-94/325, 3-4=-682/236, 4-5=-621/244, 5-6=-1144/376, 6-7=-905/381, 7-8=-649/310, 8-9=-817/315, 9-10=0/335
BOT CHORD 20-28=-91/662, 19-28=-91/662, 18-19=-91/662, 18-29=-91/1066, 17-29=-91/1066, 17-30=-91/1066, 16-30=-91/1066
WEBS 3-21=-1521/327, 3-20=-203/1196, 5-20=-744/223, 5-18=-37/417, 6-18=-16/268, 7-18=-325/107, 7-17=0/428, 7-16=-700/170, 9-16=-76/839, 9-14=-1449/337, 11-14=-301/193

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 21=140, 14=121, 12=101.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

April 28,2016

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence T8521117
771231	T07	Piggyback Base	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:17 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-4rWCYkhFG6kvKrXihLRZXoU7EjOOTRwMUy9RddzMDoq

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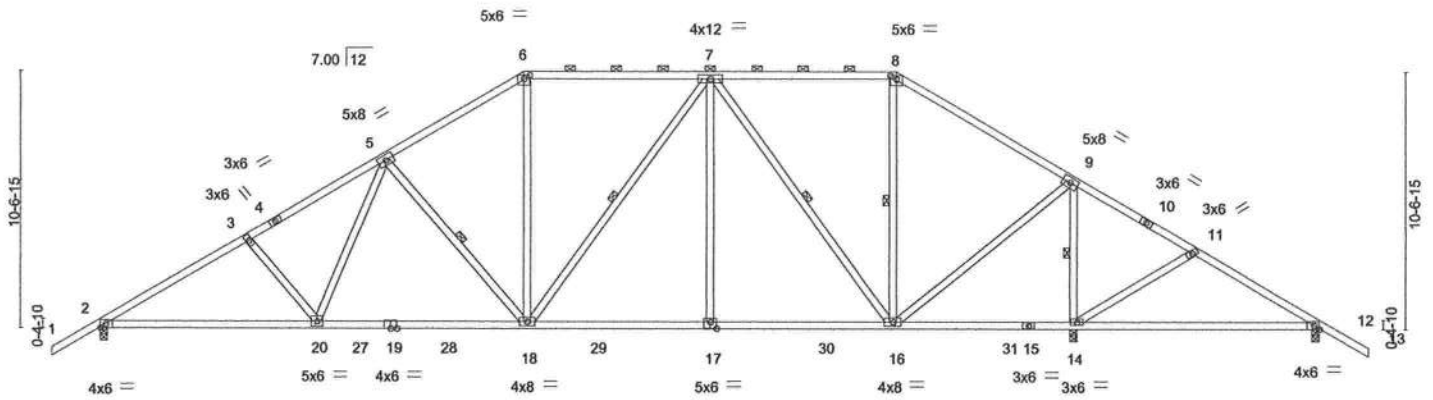
2-0-0	6-1-4	5-8-4	5-8-4	7-8-5	7-8-5	7-3-15	4-10-6	5-3-6	2-0-0

Scale = 1:92.3



8-11-6	17-5-11	25-2-0	32-10-5	40-2-4	50-4-0
8-11-6	8-6-5	7-8-5	7-8-5	7-3-15	10-1-12

Plate Offsets (X,Y)– [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [17:0-3-0,0-3-4]

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	0.71	Vert(LL)	0.20	14-26	>603	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.51	18-20	>950	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.10	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 307 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-18,7-16: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins, except 2-0-0 oc purlins (4-1-9 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-18, 7-18, 7-16, 8-16, 9-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1521/0-3-8, 14=2227/0-3-8, 12=192/0-3-8
Max Horz 2=-192(LC 10)
Max Uplift 2=-121(LC 12), 14=-96(LC 13), 12=-121(LC 8)
Max Grav 2=1521(LC 1), 14=2285(LC 2), 12=271(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2369/578, 3-4=-2205/555, 4-5=-2144/577, 5-6=-1647/504, 6-7=-1370/474, 7-8=-676/316, 8-9=-868/310, 9-10=-53/666, 10-11=-73/566, 11-12=-63/504
BOT CHORD 2-20=-392/2113, 20-27=-264/1772, 19-27=-264/1772, 19-28=-264/1772, 18-28=-264/1772, 18-29=-108/1302, 17-29=-108/1302, 17-30=-108/1302, 16-30=-108/1302, 16-31=-499/231, 15-31=-499/231, 14-15=-499/231, 12-14=-412/94
WEBS 3-20=-258/161, 5-20=-75/475, 5-18=-591/225, 6-18=-105/536, 7-17=0/421, 7-16=-1069/246, 9-16=-230/1503, 9-14=-1926/477

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=121, 12=121.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

April 28,2016

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	T08	Piggyback Base	12	1	T8521118

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:18 2016 Page 1

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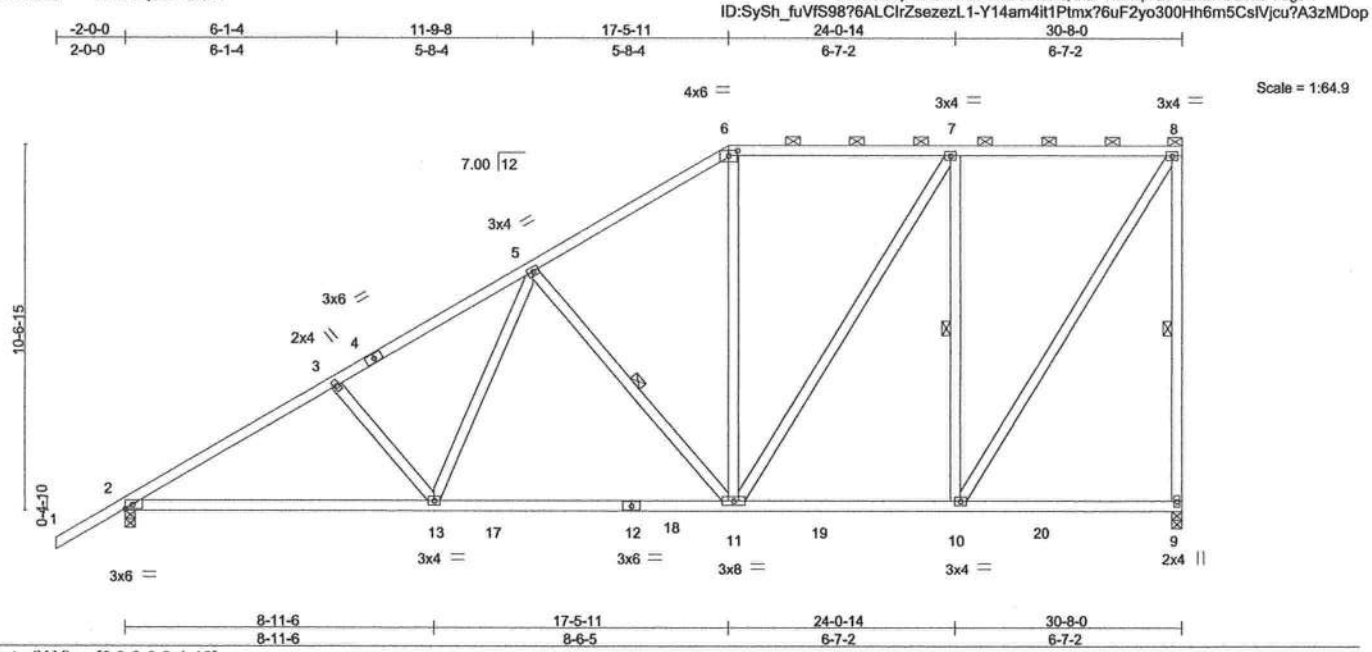

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12]

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	0.73	Vert(LL)	-0.21	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(TL)	-0.43	11-13	>850	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 209 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 4-2-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-15 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
WEBS 1 Row at midpt 8-9, 5-11, 7-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=1121/0-3-8, 2=1245/0-3-8
Max Horz 2=255(LC 12)
Max Uplift 9=-123(LC 9), 2=-88(LC 12)
Max Grav 9=1213(LC 2), 2=1245(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1837/337, 3-4=-1672/314, 4-5=-1557/336, 5-6=-1056/261, 6-7=-865/262, 7-8=-613/179, 8-9=-1082/349
BOT CHORD 2-13=-540/1596, 13-17=-408/1246, 17-18=-408/1246, 12-18=-408/1246, 11-12=-408/1246, 11-19=-179/613, 10-19=-179/613
WEBS 3-13=-262/162, 5-13=-76/488, 5-11=-599/227, 6-11=0/277, 7-11=-157/507, 7-10=-790/325, 8-10=-334/1140

NOTES- (8)

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 9=123.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521119
771231	T08G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:19 2016 Page 1

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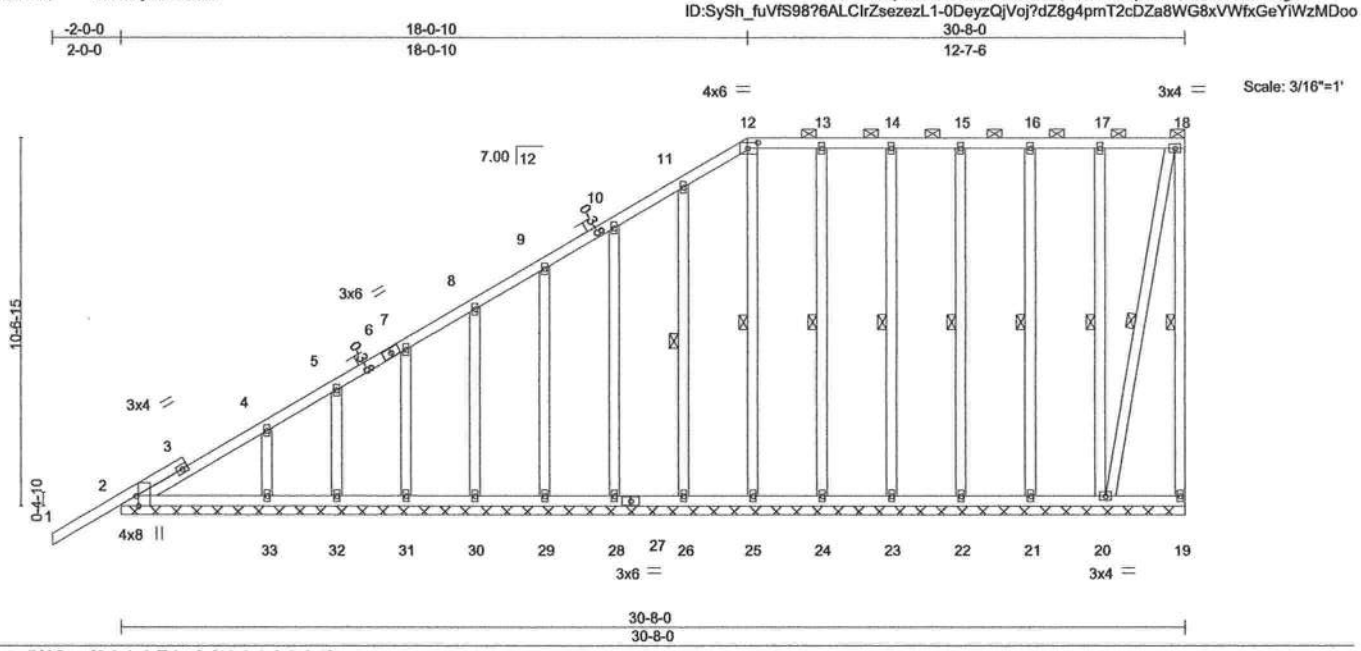

Plate Offsets (X,Y)– [2:0-3-8,Edge], [12:0-3-8,0-2-0]

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	0.24	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	-0.00	19	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 277 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 12-18.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 19-20.
WEBS	1 Row at midpt 18-19, 12-25, 13-24, 14-23, 15-22, 16-21, 17-20, 11-26, 18-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 30-8-0.

(lb) - Max Horz 2=369(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 19, 25, 24, 23, 22, 21, 20, 26, 28, 29, 30, 31, 32, 33

Max Grav All reactions 250 lb or less at joint(s) 19, 25, 24, 23, 22, 21, 20, 26, 28, 29, 30, 31, 32 except 2=268(LC 1), 33=258(LC 19)

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

TOP CHORD 2-3=-339/270, 3-4=-326/290, 4-5=-280/220

NOTES- (12)

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 25, 24, 23, 22, 21, 20, 26, 28, 29, 30, 31, 32, 33.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521120
771231	T09	Piggyback Base	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:20 2016 Page 1

ID:SySh_fuVfS98?6ALClrZsezezL1-UQCKBmk7Z17UBIFGNT_H9R6eAwPhgwmoAwN5EyzMDon

-2-0-0	6-1-4	11-9-8	17-5-11	23-10-5	29-6-8	35-2-12	41-4-0	43-4-0
2-0-0	6-1-4	5-8-4	5-8-4	6-4-10	5-8-4	5-8-4	6-1-4	2-0-0

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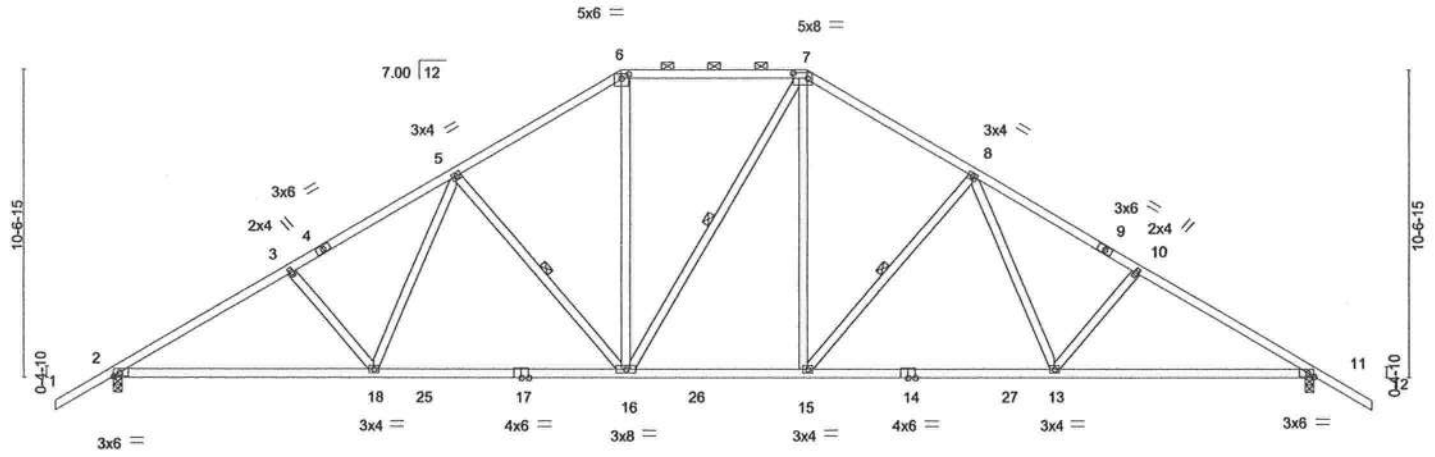


8-11-6	17-5-11	23-10-5	32-4-10	41-4-0
8-11-6	8-6-5	6-4-10	8-6-5	8-11-6

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-6-0,0-2-4], [11:0-2-8,Edge]

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	0.67	Vert(LL)	-0.27	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(TL)	-0.60	13-15	>823	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.15	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 246 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 3-5-2 oc purlins, except 2-0-0 oc purlins (3-8-2 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 8-11-9 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16, 8-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1637/0-3-8, 11=1637/0-3-8
Max Horz 2=192(LC 11)
Max Uplift 2=-128(LC 12), 11=-128(LC 13)

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

TOP CHORD 2-3=-2561/614, 3-4=-2395/591, 4-5=-2335/613, 5-6=-1814/542, 6-7=-1515/507, 7-8=-1827/542, 8-9=-2347/613, 9-10=-2407/591, 10-11=-2571/614
BOT CHORD 2-18=-426/2276, 18-25=-300/1938, 17-25=-300/1938, 16-17=-300/1938, 16-26=-159/1539, 15-26=-159/1539, 14-15=-301/1842, 14-27=-301/1842, 13-27=-301/1842, 11-13=-430/2143
WEBS 3-18=-257/160, 5-18=-73/473, 5-16=-592/224, 6-16=-129/652, 7-15=-130/719, 8-15=-592/224, 8-13=-73/472, 10-13=-257/160

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=128, 11=128.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

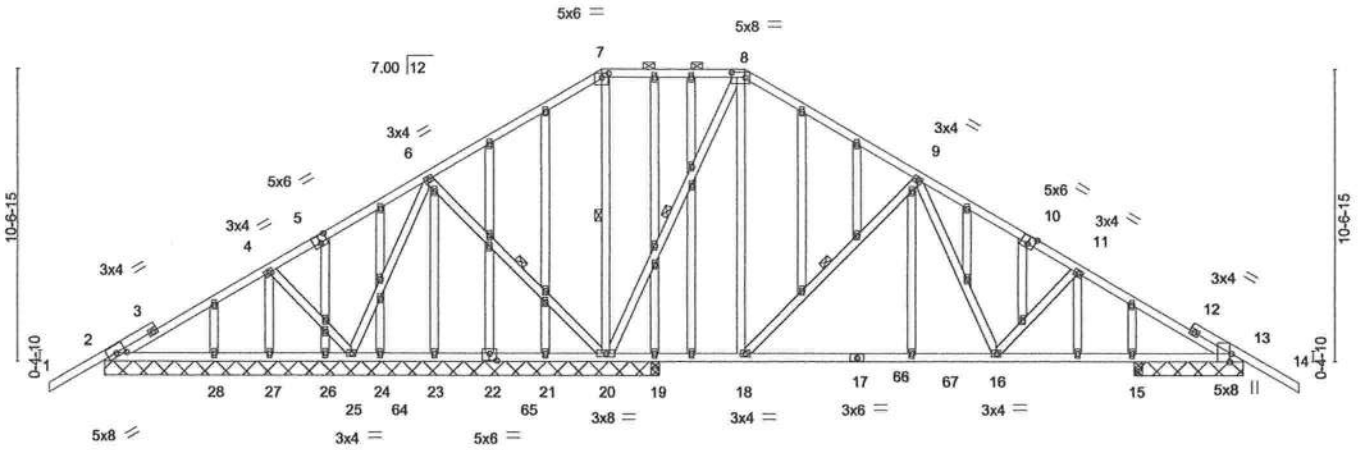
Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521121
771231	T09G	GABLE Gable I Gable COMMON	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:22 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-RoK5cSlN5eNCQcPfUu0lEsB1nk8w8kW5dEsCJqzMDol

-2-0-0	6-1-4	11-9-8	18-0-10	23-3-6	29-6-8	35-2-12	41-4-0	43-4-0
2-0-0	6-1-4	5-8-4	6-3-2	5-2-12	6-3-2	5-8-4	6-1-4	2-0-0

Scale = 1:81.2



8-11-6	18-0-10	20-2-0	23-3-6	32-4-10	37-8-8	41-4-0
8-11-6	9-1-4	2-1-6	3-1-6	9-1-4	5-3-14	3-7-8

Plate Offsets (X,Y)-- [2:0-4-1,0-1-12], [5:0-3-0,0-3-4], [7:0-3-0,0-1-12], [8:0-6-0,0-2-4], [10:0-3-0,0-3-4], [13:0-3-8,Edge], [22:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.20	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(TL)	-0.47	16-18	>441	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.01	60	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 373 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 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 16-18,15-16,13-15.
WEBS	1 Row at midpt 6-20, 7-20, 8-20, 9-18

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 20-2-0 except (jt=length) 13=3-11-0, 15=0-3-8, 15=0-3-8, 13=3-11-0.
(lb) - Max Horz 2=192(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 19, 13 except 25=-189(LC 24), 20=-137(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 28, 27, 26, 24, 23, 21, 19, 19, 15, 15, 2 except 2=285(LC 23), 25=406(LC 23), 20=1679(LC 1), 13=664(LC 20), 13=644(LC 1)

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

TOP CHORD	4-5=-52/282, 5-6=-30/397, 6-7=-35/617, 7-8=0/479, 9-10=-594/195, 10-11=-710/173, 11-12=-836/204, 12-13=-816/166
BOT CHORD	24-25=-350/211, 24-64=-350/211, 23-64=-350/211, 22-23=-350/211, 22-65=-350/211, 21-65=-350/211, 20-21=-350/211, 18-66=0/357, 17-66=0/357, 17-67=0/357, 16-67=0/357, 15-16=-81/707, 13-15=-81/707
WEBS	4-25=-265/159, 6-25=-217/277, 6-20=-307/171, 7-20=-568/140, 8-20=-1077/224, 8-18=-116/715, 9-18=-609/237, 9-16=-70/481, 11-16=-279/161

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 19, 13, 2, 13 except (jt=lb) 25=189, 20=137.

Continued on page 2

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 28,2016

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	T09G	GABLE Gable I Gable COMMON	1	1	T8521121
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:22 2016 Page 2

ID:SySh_fuVfS98?6ALCIrZsezezL1-RoK5cSlN5eNCQcPfUu0lEsB1nk8w8kW5dEsCJqzMDol

NOTES- (12)

10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521122
771231	T10	Common	1	1	Job Reference (optional)	

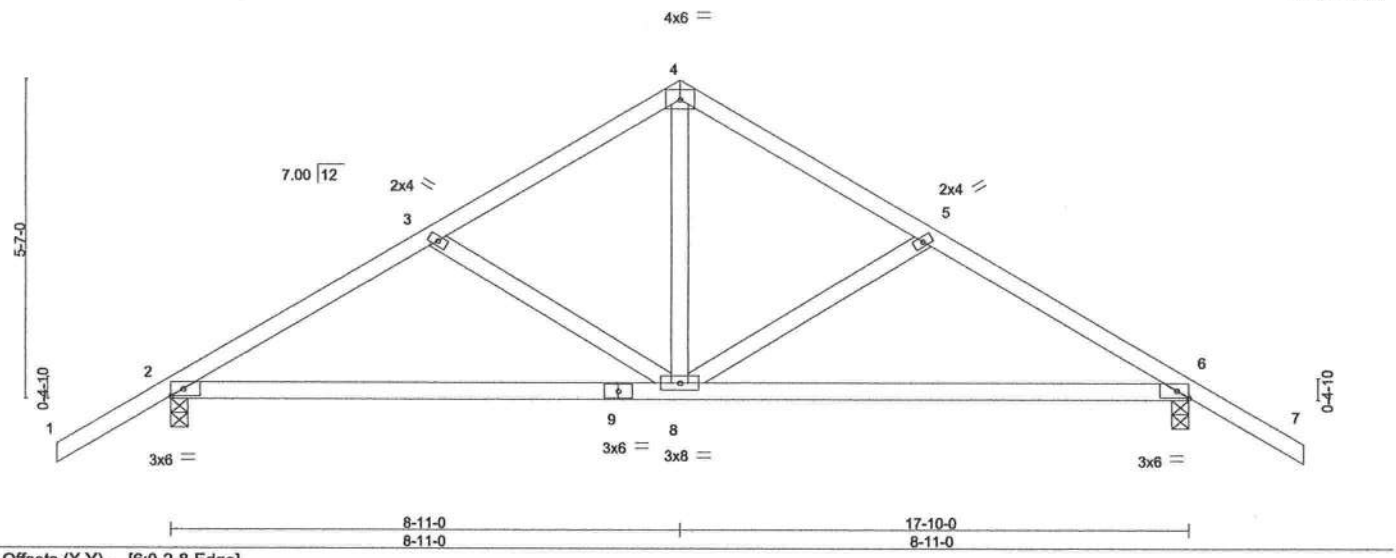
Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:23 2016 Page 1

ID:SySh_fuVfS98?6ALCIrZsezezL1-v?tTpom?syV32m_r2bX_m3kG77V7tJ1EsucmrHzMDok

-2-0-0	4-8-0	8-11-0	13-2-0	17-10-0	19-10-0
2-0-0	4-8-0	4-3-0	4-3-0	4-8-0	2-0-0

Scale = 1:39.2



8-11-0	17-10-0
8-11-0	8-11-0

Plate Offsets (X,Y)– [6:0-2-8,Edge]

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	0.24	Vert(LL)	-0.08	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(TL)	-0.22	8-15	>992	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 86 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=768/0-3-8, 6=768/0-3-8
Max Horz 2=107(LC 11)
Max Uplift2=-71(LC 12), 6=-71(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-930/242, 3-4=-705/194, 4-5=-705/194, 5-6=-930/242
BOT CHORD 2-9=-122/758, 8-9=-122/758, 6-8=-126/758
WEBS 4-8=-92/441, 5-8=-250/142, 3-8=-250/142

NOTES- (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521123
771231	T10G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:23 2016 Page 1

ID:SySh_fuVfS98?6ALClrZsezezL1-v?tTpom?syV32m_r2bX_m3kG87e2tLtEsucmrHzMDok

-2-0-0 | 8-11-0 | 17-10-0 | 19-10-0

2-0-0 | 8-11-0 | 8-11-0 | 2-0-0

Scale = 1:37.1

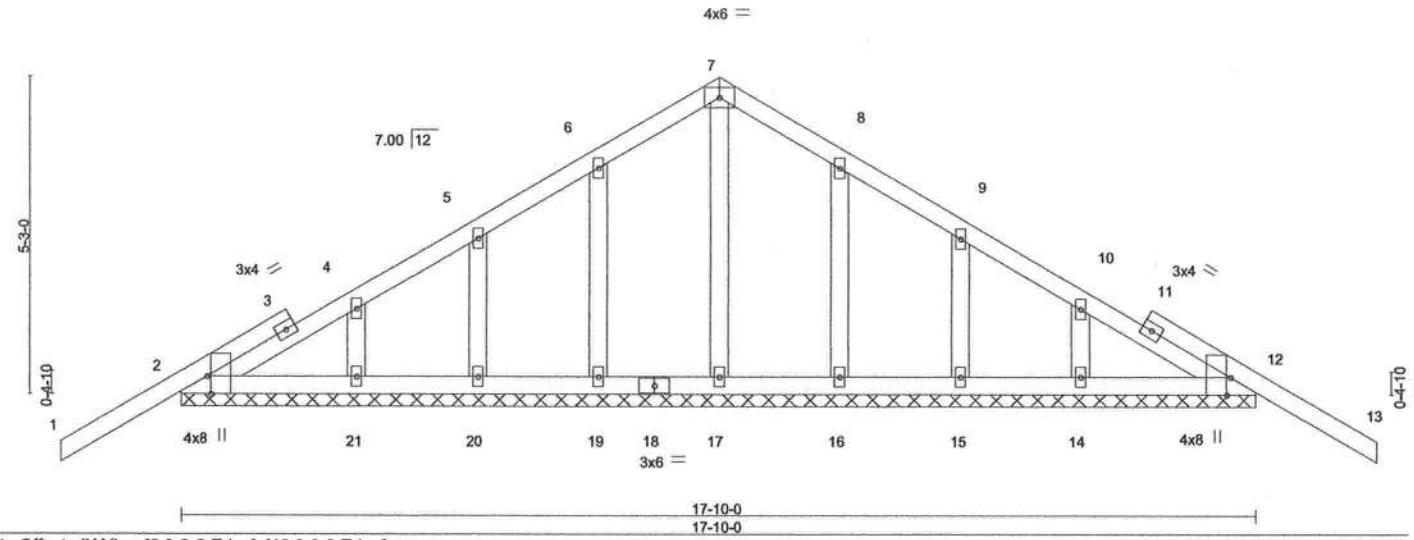


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [12:0-3-8,Edge]

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	0.24	Vert(LL)	-0.02	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(TL)	-0.03	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 97 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 17-10-0.
(lb) - Max Horz 2=-127(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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

NOTES- (11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 21, 16, 15, 14.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521124
771231	T11	ATTIC	3	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:24 2016 Page 1

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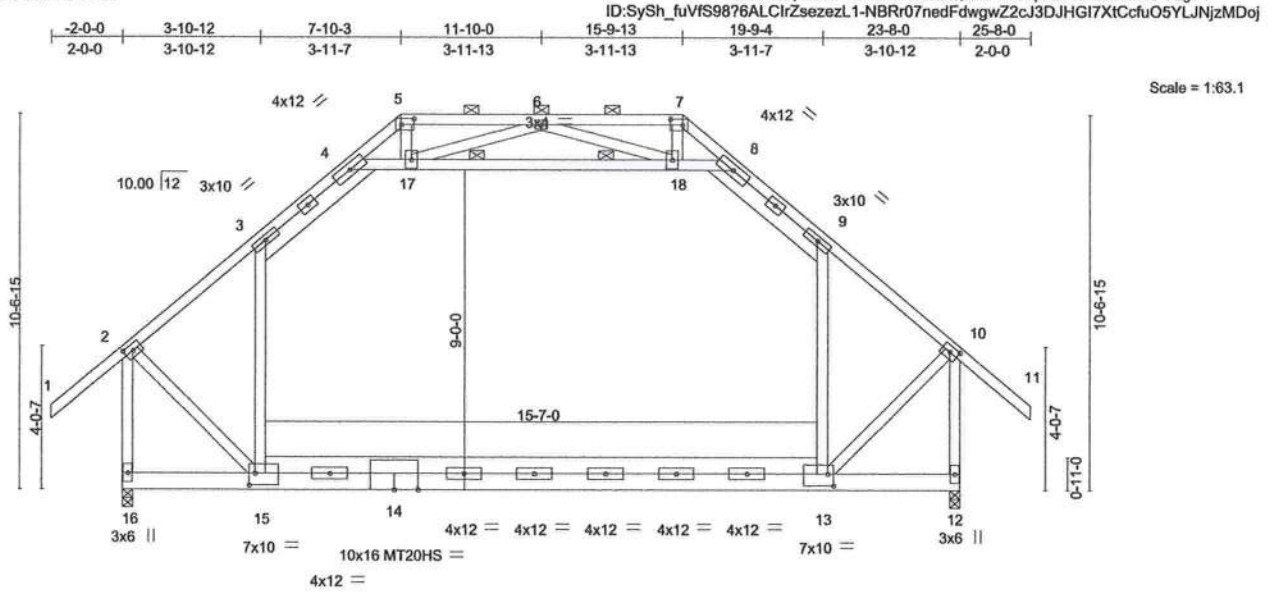

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [5:0-4-4,0-2-0], [7:0-4-4,0-2-0], [10:0-2-14,0-2-0], [13:0-2-0,0-4-0], [15:0-2-0,0-4-0]

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	0.80	Vert(LL)	-0.45	13-15	>617	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(TL)	-0.79	13-15	>354	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-S)		Attic	-0.36	13-15	522	360	Weight: 236 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP M 31 *Except*
5-7: 2x4 SP No.2, 3-4,8-9: 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 2 Rows at 1/3 pts 4-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 16=1288/0-3-8, 12=1288/0-3-8
Max Horz 16=-231(LC 10)
Max Grav 16=1625(LC 2), 12=1625(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1253/31, 3-4=-927/161, 4-5=-491/232, 5-6=-370/407, 6-7=-370/407, 7-8=-491/232, 8-9=-927/161, 9-10=-1253/31, 2-16=-1872/65, 10-12=-1871/65
BOT CHORD 14-15=0/900, 13-14=0/900
WEBS 3-15=-152/539, 9-13=-152/539, 4-17=-1208/10, 17-18=-1008/125, 8-18=-1208/10, 2-15=0/1250, 10-13=0/1251, 6-17=-454/169, 6-18=-454/169

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 4x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 17-18, 8-18; Wall dead load (5.0psf) on member(s).3-15, 9-13
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521125
771231	T11G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:26 2016 Page 1

ID:SySh_fuVfS98?6ALClrZsezezL1-JaZcRpou9ttevDjQjk5hOiMiMLSM4fggYsrQSczMDoh

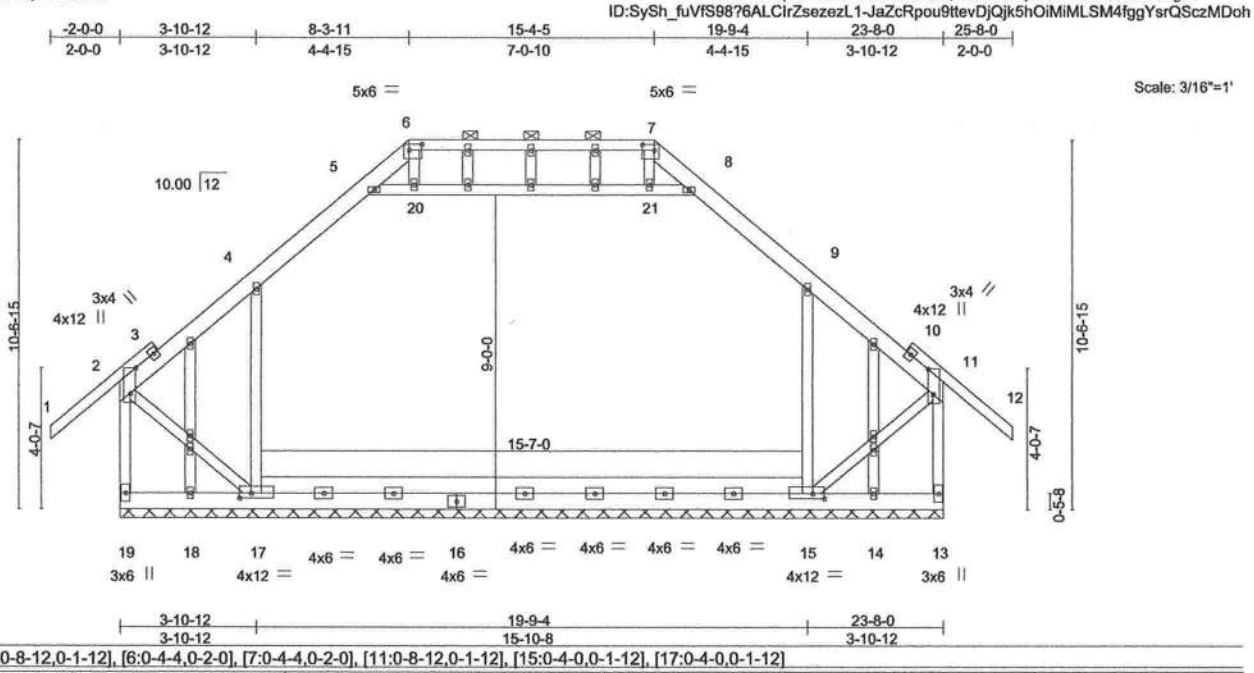

Plate Offsets (X,Y)-- [2:0-8-12,0-1-12], [6:0-4-4,0-2-0], [7:0-4-4,0-2-0], [11:0-8-12,0-1-12], [15:0-4-0,0-1-12], [17:0-4-0,0-1-12]

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	0.56	Vert(LL)	-0.02	11-12	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(TL)	-0.04	11-12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.02	15	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 240 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 2-6,7-11: 2x6 SP No.2
BOT CHORD 2x6 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, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 15-17.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 23-8-0.
(lb) - Max Horz 19=-278(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 19=-218(LC 8), 17=-152(LC 12), 15=-152(LC 13), 13=-216(LC 9), 14=-720(LC 18), 18=-722(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 19=852(LC 1), 17=1151(LC 19), 15=1138(LC 18), 13=851(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-470/168, 3-4=-364/184, 4-5=-533/240, 5-6=-485/196, 6-7=-419/181, 7-8=-485/195, 8-9=-533/241, 9-10=-364/180, 10-11=-470/164, 2-19=-784/228, 11-13=-784/223
BOT CHORD 18-19=-266/240, 17-18=-266/240, 16-17=-168/335, 15-16=-165/337
WEBS 4-17=-324/198, 9-15=-324/198, 2-17=-201/487, 11-15=-198/487

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 19, 152 lb uplift at joint 17, 152 lb uplift at joint 15, 216 lb uplift at joint 13, 720 lb uplift at joint 14 and 722 lb uplift at joint 18.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Continued on page 2

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: April 28,2016

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hart Residence
771231	T11G	GABLE	1	1	T8521125

Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	Hart Residence	T8521126
771231	T12	ATTIC	9	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Thu Apr 28 10:42:27 2016 Page 1

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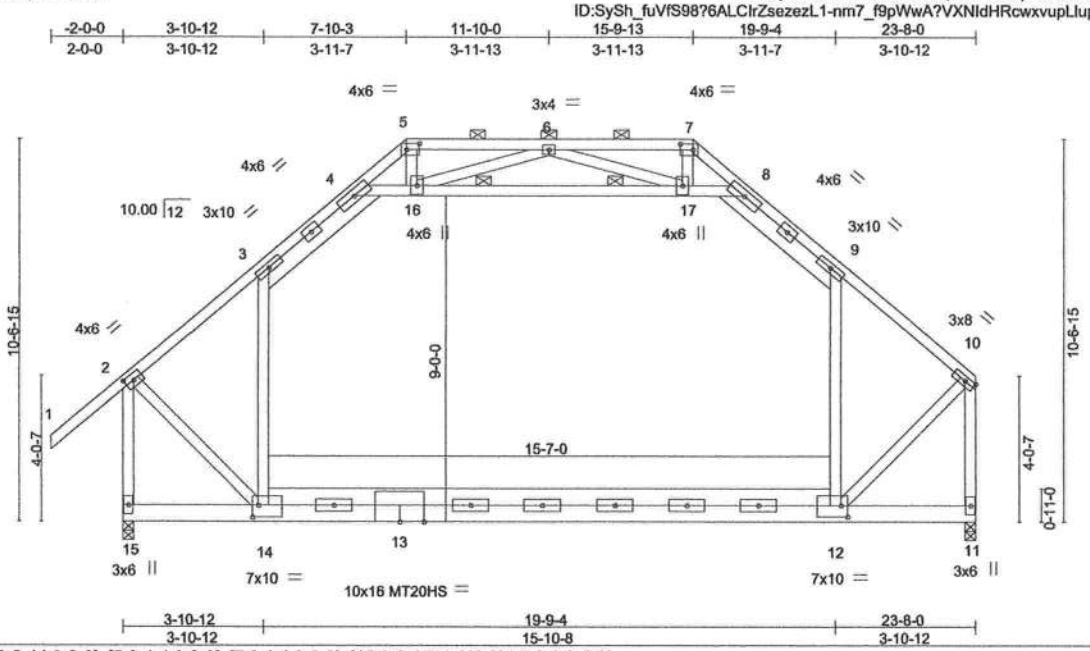


Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [5:0-4-4,0-2-0], [7:0-4-4,0-2-0], [12:0-2-4,0-3-12], [14:0-2-0,0-4-0]

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	0.80	Vert(LL)	-0.45	12-14	>617	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(TL)	-0.80	12-14	>353	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-S)		Attic	-0.36	12-14	522	360	Weight: 232 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP M 31 *Except*
5-7: 2x4 SP No.2, 3-4,8-9: 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 2 Rows at 1/3 pts 4-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 15=1293/0-3-8, 11=1166/0-3-8
Max Horz 15=221(LC 9)
Max Grav 15=1630(LC 2), 11=1527(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1262/23, 3-4=-932/156, 4-5=-488/236, 5-6=-366/412, 6-7=-351/414, 7-8=-477/237, 8-9=-933/157, 9-10=-1255/10, 2-15=-1884/56, 10-11=-1775/0
BOT CHORD 13-14=-13/893, 12-13=-13/893
WEBS 3-14=-150/542, 9-12=-170/531, 4-16=-1215/0, 16-17=-1016/119, 8-17=-1217/15, 2-14=0/1260, 10-12=0/1231, 6-16=-455/163, 6-17=-455/180

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 4x12 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-16, 16-17, 8-17; Wall dead load (5.0psf) on member(s).3-14, 9-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

April 28,2016

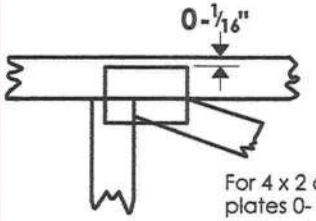
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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 0-1/16" from outside edge of truss.

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

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

PLATE SIZE

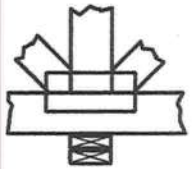
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

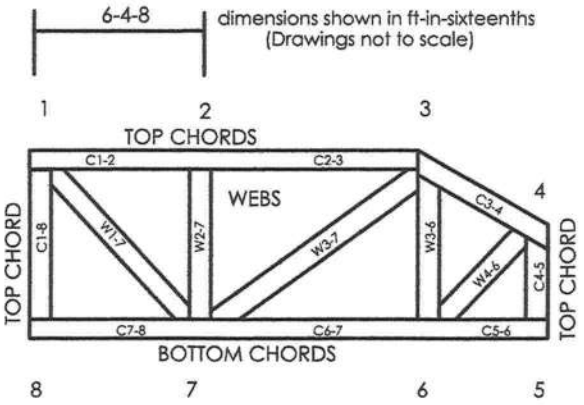


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

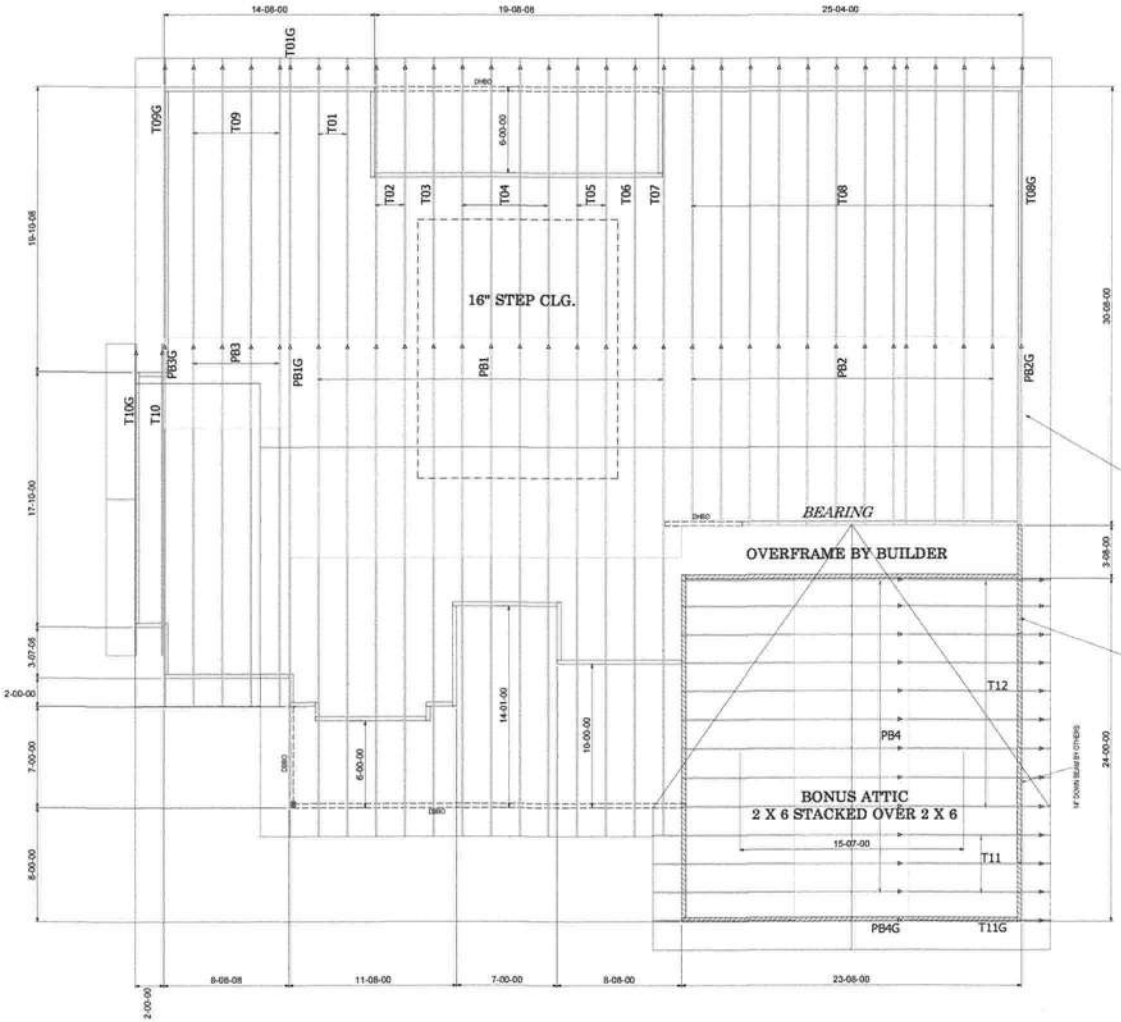
MiTek

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

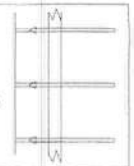
Failure to Follow Could Cause Property Damage or Personal Injury

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



7/12 PITCH MAIN ROOF
10/12 PITCH ATTIC
24" O.H.

THE ARROW HEAD AT THE END OF THE TRUSS ON THE TRUSS PLACEMENT PLAN (LAYOUT) CORRESPONDS WITH THE LEFT SIDE OF THE INDIVIDUAL TRUSS DRAWING. USE THIS AS AN ORIENTATION GUIDE WHEN SETTING THE TRUSSES ON THE STRUCTURE.



General Notes:

- Per ANSI/TPI 1-2002 all " Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger connections unless noted otherwise.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.N.O.- Use 10d x 1 1/2" Nails in hanger connections to single ply girder trusses.
- Trusses are not designed to support brick U.N.O.
- Dimensions are Feet-Inches- Sixteenths

Notes:

No back charges will be accepted by Builders FirstSource unless approved in writing first. 850-835-4541

ACQ lumber is corrosive to truss plates. Any ACQ lumber that comes in contact with truss plates (i.e. scabbed on tails) must have an approved barrier applied first.

Refer to BCSI-B1 Summary Sheet-Guide for handling, Installing and Bracing of Metal Plate Connected Wood Truss prior to and during truss installation.

It is the responsibility of the Contractor to ensure of the proper orientation of the truss placement plans as to the construction documents and field conditions of the structure orientation. If a reversed or flipped layout is required, it will be supplied at no extra cost by Builders FirstSource.

It is the responsibility of the Contractor to make sure the placement of trusses are adjusted for plumbing drops, can lights, ect.., so the trusses do not interfere with these type of items.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor trusses below. The floor trusses have not been designed to carry any additional loads from above.

This truss placement plan was not created by an engineer, but rather by the Builders FirstSource staff and is solely to be used as an installation guide and does not require a seal. Complete truss engineering and analysis can be found on the truss design drawings which may be sealed by the truss design engineer.

Gable end trusses require continuous bottom chord bearing. Refer to local codes for wall framing requirements.

Although all attempts have been made to do so, trusses may not be designed symmetrically. Please refer to the individual truss drawings and truss placement plans for proper orientation and placement.

Builders FIRSTSOURCE

Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

Builder:
Cash / OB

Legal Address:
Columbia County FL

Model:
Hart Residence

Date:	Drawn By:	Original Ref #:
3-2-16	BPC	771231
Floor 1 Job#:	Floor 2 Job#:	Roof Job #:
-	-	-

MITEK PLATE APPROVAL #'S 2197.2 - 2197.4, WEYERHAUSER PRODUCT #'S 1630.2 - 1630.10

IC Construction LLC
Residential • Commercial • Remodels

Dear Bryan Cagan,

City of Lake City has requested, a letter stating;

The unfinished portion of the building will not be occupied before C/O from City of Lake City.

And; IC Construction, has completed contracted Scope of work.

Bryan Cagan _____ *Date* 4/20/16

Thank you,
Isaiah Cully
IC Construction LLC.
C. (386)867-0086
P.O. Box 1174 Lake city FL, 32056

FORM R405-2014

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Hart Residence	Builder Name:	Owner
Street:	330 SW Blaylock Ct	Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Bill Hart	Jurisdiction:	221000
Design Location:	FL, Gainesville		

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 (ft²)	2560
Conditioned floor area below grade (ft²)	0

7. Windows(241.5 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.35	241.53 ft²
SHGC:	SHGC=0.26	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		4.632 ft.
Area Weighted Average SHGC:		0.260

8. Floor Types (2560.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2200.00 ft²
b. Floor over Garage	R=19.0	360.00 ft²
c. N/A	R=	ft²

9. Wall Types (2444.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2207.30 ft²
b. Frame - Wood, Adjacent	R=13.0	236.67 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2560.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	2560.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: 1st Floor	6	256
b. Sup: Attic, Ret: Attic, AH: Bonus Room	6	90

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	35.0	SEER:15.00
b. PTAC and Room Unit	35.0	EER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	35.0	HSPF:8.20
b. Electric Heat Pump	35.0	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 40 gallons
	EF: 0.950
b. Conservation features	
None	
15. Credits	CF, Pstat

Glass/Floor Area: 0.094

Total Proposed Modified Loads: 59.70

Total Baseline Loads: 60.97

PASS

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

PREPARED BY: T A Odlare

DATE: 3/10/16

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 R403.2.2.1.**
- **Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and an envelope leakage test report in accordance with R402.4.1.2.**

COLUMBIA COUNTY BUILDING DEPARTMENT
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FORM R405-2014

PROJECT

Title:	Hart Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2560	Lot #	
Owner:	Bill Hart	Total Stories:	2	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Owner	Rotate Angle:	0	Street:	330 SW Blaylock Ct
Permit Office:	Columbia County	Cross Ventilation:		County:	Columbia
Jurisdiction:	221000	Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2200	19800
2	Block2	360	2880

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	1st Floor	2200	19800	Yes	2	3	1	Yes	Yes	Yes
2	Bonus Room	360	2880	No	2	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	1st Floor	229 ft	0	2200 ft²	----	0.3	0.4	0.3
____	2	Floor over Garage	Bonus Room	----	----	360 ft²	19	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	Composition shingles	2965 ft²	748 ft²	Medium	0.85	No	0.9	No	0.63	30.3

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	2560 ft²	N	N

FORM R405-2014

CEILING

√	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	1st Floor	38	2560 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	W	Exterior	Frame - Wood	1st Floor	13	24	4	10		243.3 ft²	0.63	0.23	0.75	0
____	2	W	Exterior	Frame - Wood	1st Floor	13	19	8	10		196.7 ft²	0.63	0.23	0.75	0
____	3	W	Exterior	Frame - Wood	1st Floor	13	14	8	10		146.7 ft²	0.63	0.23	0.75	0
____	4	S	Exterior	Frame - Wood	1st Floor	13	41	4	10		413.3 ft²	0.63	0.23	0.75	0
____	5	E	Exterior	Frame - Wood	1st Floor	13	8	8	10		86.7 ft²	0.63	0.23	0.75	0
____	6	E	Exterior	Frame - Wood	1st Floor	13	27	4	10		273.3 ft²	0.63	0.23	0.75	0
____	7	E	Garage	Frame - Wood	1st Floor	13	23	8	10		236.7 ft²	0.63	0.23	0.75	0
____	8	N	Exterior	Frame - Wood	1st Floor	13	34	4	10		343.3 ft²	0.63	0.23	0.75	0
____	9	E	Exterior	Frame - Wood	Bonus Room	13	15		8		120.0 ft²	0.63	0.23	0.75	0
____	10	N	Exterior	Frame - Wood	Bonus Room	13	24		8		192.0 ft²	0.63	0.23	0.75	0
____	11	S	Exterior	Frame - Wood	Bonus Room	13	24		8		192.0 ft²	0.63	0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
____	1	E	Insulated	1st Floor	Metal	.28	3		6	8	20 ft²
____	2	E	Insulated	1st Floor	Metal	.28	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Overhang Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	W	1	Vinyl	Low-E Double	Yes	0.35	0.26	30.2 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	2	W	2	Vinyl	Low-E Double	Yes	0.35	0.26	30.2 ft²	8 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	3	W	2	Vinyl	Low-E Double	Yes	0.35	0.26	24.8 ft²	8 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	4	W	3	Vinyl	Low-E Double	Yes	0.35	0.26	35.9 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	5	S	4	Vinyl	Low-E Double	Yes	0.35	0.26	18.9 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	6	S	4	Vinyl	Low-E Double	Yes	0.35	0.26	7.1 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	7	E	5	Vinyl	Low-E Double	Yes	0.35	0.26	8.9 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	8	E	6	Vinyl	Low-E Double	Yes	0.35	0.26	30.2 ft²	10 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	9	E	6	Vinyl	Low-E Double	Yes	0.35	0.26	8.0 ft²	10 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	10	N	8	Vinyl	Low-E Double	Yes	0.35	0.26	30.2 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	11	W	3	Vinyl	Low-E Double	Yes	0.35	0.26	17.1 ft²	2 ft 0 in	0 ft 4 in	Drapes/blinds	None

FORM R405-2014

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
____	1	568.8 ft²	384 ft²	65 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000281	1890	103.76	195.13	.2668	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
____	1	Electric Heat Pump	None	HSPF:8.2	35 kBtu/hr	1	sys#1
____	2	Electric Heat Pump	None	HSPF:8.2	35 kBtu/hr	2	sys#2

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
____	1	Central Unit	None	SEER: 15	35 kBtu/hr	1050 cfm	0.75	1	sys#1
____	2	PTAC and Room Unit	None	SEER: 14	35 kBtu/hr	1050 cfm	0.75	2	sys#2

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	None	1st Floor	0.95	40 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			ft²		

DUCTS

√	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
____	1	Attic	6	256 ft²	Attic	64 ft²	Default Leakage	1st Floor	(Default)	(Default)			1	1
____	2	Attic	6	90 ft²	Attic	20 ft²	Default Leakage	Bonus Roo	(Default)	(Default)			2	2

FORM R405-2014

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Load Short Form
Entire House
Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Design Information

	Htg	Clg		
Outside db (°F)	33	92	**Infiltration**	
Inside db (°F)	68	75	Method	Simplified
Design TD (°F)	35	17	Construction quality	Tight
Daily range	-	M	Fireplaces	0
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	52		

HEATING EQUIPMENT

Make	Carrier		
Trade			
Model	25HBC542A003		
AHRI ref	3646152		
Efficiency	9 HSPF		
Heating input			
Heating output	40083	Btuh @ 47°F	
Temperature rise	27	°F	
Actual air flow	1343	cfm	
Air flow factor	0.040	cfm/Btuh	
Static pressure	0.50	in H2O	
Space thermostat			

COOLING EQUIPMENT

Make	Carrier		
Trade			
Cond	25HBC542A003		
Coil	FV4CNB006L00		
AHRI ref	3646152		
Efficiency	12.8 EER, 16 SEER		
Sensible cooling	28199	Btuh	
Latent cooling	12085	Btuh	
Total cooling	40284	Btuh	
Actual air flow	1343	cfm	
Air flow factor	0.049	cfm/Btuh	
Static pressure	0.50	in H2O	
Load sensible heat ratio	0.82		

ROOM NAME		Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Zone 2	p	360	7404	4315	297	211
Zone 1	p	2200	26038	26439	1046	1293
Entire House	d	2560	33442	26769	1343	1343
Other equip loads			4738	2301		
Equip. @ 0.97 RSM				28199		
Latent cooling				6450		
TOTALS		2560	38180	34649	1343	1343

COLUMBIA COUNTY BUILDING DEPARTMENT
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Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Load Short Form
Zone 1

Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	52

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

COOLING EQUIPMENT

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
master bedroom	288	4985	5519	200	270
WIC 1a	49	833	298	33	15
WIC 1b	40	109	81	4	4
master bath	98	1370	606	55	30
toilet	23	1001	894	40	44
bedroom 3	164	2749	1685	110	82
foyer	42	1036	661	42	32
laundry	83	1645	1337	66	65
kitchen/living	1005	9621	13816	386	676
bath	62	600	231	24	11
bedroom 2	211	1929	1193	77	58
stairs	59	116	87	5	4
master hall	55	0	0	0	0
pantry	22	43	32	2	2

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

Zone 1	p	2200	26038	26439	1046	1293
Other equip loads			0	0		
Equip. @ 0.97 RSM				25646		
Latent cooling				1449		
TOTALS		2200	26038	27095	1046	1293

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

Load Short Form
Zone 2
Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	52

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

COOLING EQUIPMENT

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
bonus	360	7404	4315	297	211
Zone 2 p	360	7404	4315	297	211
Other equip loads		0	0		
Equip. @ 0.97 RSM			4186		
Latent cooling			651		
TOTALS	360	7404	4836	297	211

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

Project Summary
Entire House
Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	33442 Btuh
Ducts	0 Btuh
Central vent (124 cfm)	4738 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	38180 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26769 Btuh
Ducts	0 Btuh
Central vent (124 cfm)	2301 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	28199 Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	2560	2560
Volume (ft³)	25601	25601
Air changes/hour	0.11	0.06
Equiv. AVF (cfm)	47	26

Latent Cooling Equipment Load Sizing

Structure	2100 Btuh
Ducts	0 Btuh
Central vent (124 cfm)	4350 Btuh
Equipment latent load	6450 Btuh
Equipment total load	34649 Btuh
Req. total capacity at 0.70 SHR	3.4 ton

Heating Equipment Summary

Make	Carrier
Trade	
Model	25HBC542A003
AHRI ref	3646152
Efficiency	9 HSPF
Heating input	
Heating output	40083 Btuh @ 47°F
Temperature rise	27 °F
Actual air flow	1343 cfm
Air flow factor	0.040 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Carrier
Trade	
Cond	25HBC542A003
Coil	FV4CNB006L00
AHRI ref	3646152
Efficiency	12.8 EER, 16 SEER
Sensible cooling	28199 Btuh
Latent cooling	12085 Btuh
Total cooling	40284 Btuh
Actual air flow	1343 cfm
Air flow factor	0.049 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.82

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

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	26038 Btuh
Ducts	0 Btuh
Central vent (106 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	26038 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26439 Btuh
Ducts	0 Btuh
Central vent (106 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	25646 Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	2200	2200
Volume (ft³)	22001	22001
Air changes/hour	0.09	0.05
Equiv. AVF (cfm)	34	18

Latent Cooling Equipment Load Sizing

Structure	1449 Btuh
Ducts	0 Btuh
Central vent (106 cfm)	0 Btuh
Equipment latent load	1449 Btuh
Equipment total load	27095 Btuh
Req. total capacity at 0.70 SHR	3.1 ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

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

Project Summary
Zone 2
Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	7404 Btuh
Ducts	0 Btuh
Central vent (17 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	7404 Btuh

Sensible Cooling Equipment Load Sizing

Structure	4315 Btuh
Ducts	0 Btuh
Central vent (17 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	4186 Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	360	360
Volume (ft³)	3600	3600
Air changes/hour	0.22	0.12
Equiv. AVF (cfm)	13	7

Latent Cooling Equipment Load Sizing

Structure	651 Btuh
Ducts	0 Btuh
Central vent (17 cfm)	0 Btuh
Equipment latent load	651 Btuh
Equipment total load	4836 Btuh
Req. total capacity at 0.70 SHR	0.5 ton

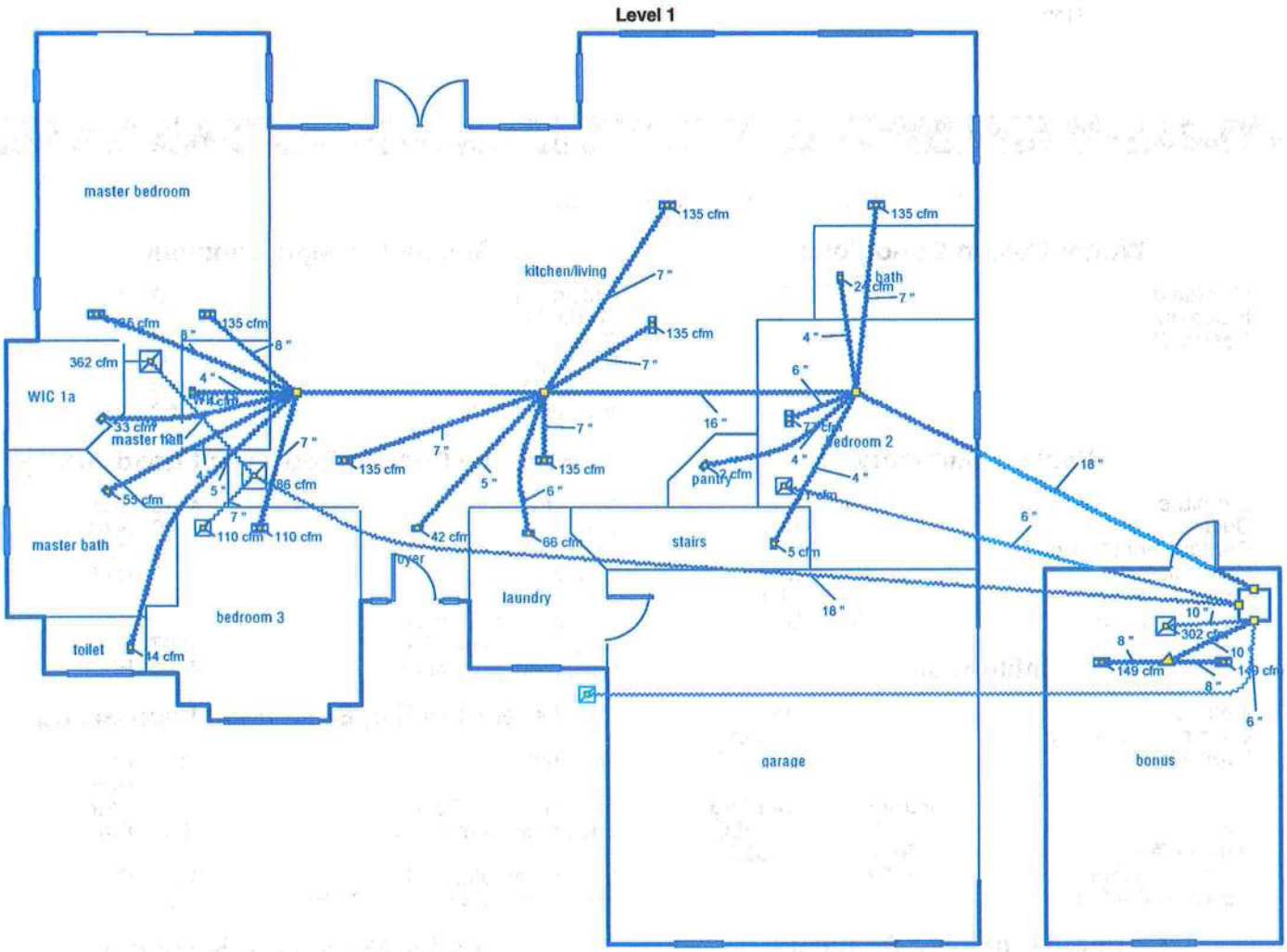
Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

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



Job #:
Performed for:
Bill Hart

Bounds Heating and Air
26545 West Newberry Road
Newberry, Fl. 32669
Phone: 352-472-2761 Fax: 352-472-1809
www.boundshvac.com joe.atbounds@yahoo.com or b...

Scale: 1 : 136

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15.0.21 RSU01870
2016-Mar-02 11:35:03
...tSoft J&D\2016 J&D\Bill Hart.rup

Duct System Summary
Entire House

Bounds Heating and Air

Job:
Date: Mar 02, 2016
By:

26545 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com or bounds_hvac@yahoo.com Web: www.boundsh...

Project Information

For: Bill Hart

	Heating	Cooling
External static pressure	0.50 in H2O	0.50 in H2O
Pressure losses	0.23 in H2O	0.23 in H2O
Available static pressure	0.27 in H2O	0.27 in H2O
Supply / return available pressure	0.180 / 0.090 in H2O	0.180 / 0.090 in H2O
Lowest friction rate	0.082 in/100ft	0.082 in/100ft
Actual air flow	1343 cfm	1343 cfm
Total effective length (TEL)	328 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
WIC 1a	h	833	33	15	0.085	4.0	0x0	VIFx	76.5	135.0	st3
WIC 1b	h	109	4	4	0.090	4.0	0x0	VIFx	70.7	130.0	st3
bath	h	600	24	11	0.143	4.0	0x0	VIFx	35.7	90.0	st1
bedroom 2	h	1929	77	58	0.147	6.0	0x0	VIFx	33.0	90.0	st1
bedroom 3	h	2749	110	82	0.089	7.0	0x0	VIFx	73.0	130.0	st3
bonus	h	3702	149	106	0.180	8.0	0x0	VIFx	10.3	90.0	st2
bonus-A	h	3702	149	105	0.181	8.0	0x0	VIFx	9.9	90.0	st2
foyer	h	1036	42	32	0.106	5.0	0x0	VIFx	60.1	110.0	st3
kitchen/living	c	2763	77	135	0.105	7.0	0x0	VIFx	61.7	110.0	st3
kitchen/living-A	c	2763	77	135	0.111	7.0	0x0	VIFx	52.7	110.0	st3
kitchen/living-B	c	2763	77	135	0.104	7.0	0x0	VIFx	62.7	110.0	st3
kitchen/living-C	c	2763	77	135	0.138	7.0	0x0	VIFx	40.4	90.0	st1
kitchen/living-D	c	2763	77	135	0.108	7.0	0x0	VIFx	56.6	110.0	st3
laundry	h	1645	66	65	0.104	6.0	0x0	VIFx	57.6	115.0	st3
master bath	h	1370	55	30	0.087	4.0	0x0	VIFx	77.6	130.0	st3
master bedroom	c	2759	100	135	0.087	8.0	0x0	VIFx	77.6	130.0	st3
master bedroom-A	c	2759	100	135	0.089	8.0	0x0	VIFx	71.5	130.0	st3
pantry	h	43	2	2	0.134	4.0	0x0	VIFx	39.4	95.0	st1
stairs	h	116	5	4	0.139	4.0	0x0	VIFx	39.4	90.0	st1
toilet	c	894	40	44	0.082	5.0	0x0	VIFx	84.2	135.0	st3

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	297	211	0.180	545	10.0	0 x 0	VinlFlx	
st3	Peak AVF	860	1082	0.082	775	16.0	0 x 0	VinlFlx	st1
st1	Peak AVF	1046	1293	0.082	732	18.0	0 x 0	VinlFlx	

Return Branch Detail Table

Name	Grill 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
rb4	0x 0	77	58	60.0	0.149	395	6.0	0x 0		VlFx	
rb5	0x 0	302	215	35.7	0.251	554	10.0	0x 0		VlFx	
rb2	0x 0	333	362	108.8	0.082	461	12.0	0x 0		VlFx	rt1
rb3	0x 0	110	82	103.6	0.086	413	7.0	0x 0		VlFx	rt1
rb1	0x 0	520	786	108.9	0.082	563	16.0	0x 0		VlFx	rt1

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt1	Peak AVF	964	1230	0.082	696	18.0	0 x 0	VinlFlx	

(exp. 05/30/2018)

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control company and builder, unless stated otherwise. #34072

Section 1: General Information (Pest Control Company Information)

Company Name: Aspen Pest Control

Company Address PO Box 1795 City Lake City, State Fl Zip 32056

Company Business License No. JB182948 Company Phone No. 755-3611

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Isaiah Cully Phone No. 867-0086

Section 3: Property Information

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) William and Dilene Hart 330 SW Blaylock CT Lake City, Fl 32024

Section 4: Service Information

Date(s) of Service(s) 6-4-2016

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

☒ A. Soil Applied Liquid Termiticide

Brand Name of Termiticide: Dominion 2L EPA Registration No. 53883-279

Approx. Dilution (%): .05 Approx. Total Gallons Mix Applied: 450 Treatment completed on exterior: ☐ Yes ☒ No

B. Wood Applied Liquid Termiticide

Brand Name of Termiticide: _____ EPA Registration No. _____

Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____

C. Bait system Installed

Name of System _____ EPA Registration No. _____ Number of Stations installed _____

D. Physical Barrier System Installed

Name of System _____ Attach installation information (required)

Service Agreement Available? (Yes) No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) C. Lacey Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 6-4-2016

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

#34072

Hart Residence, Columbia County FL

Addendum to Plan

(In Compliance with the 2014 Florida Building Code and Amendments)

Prepared By: Marty J. Humphries, P.E. # 51976
7932 240th St., O'Brien, FL 32071
(386)935-2406

This addendum supercedes where applicable the structural requirements of the Hart Residence Plans:

1.) As an option for wall tie down requirements: ½" steel all-thread may be installed 48" on center and at each side of doors/windows and within 12" of corners and shall be connected at foundation with Simpson THD50934RC anchor/rod coupler and at top of double wall plate with nut and plate washer.

Marty J. Hum
9-15-16