DATE 02/28/2013

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030810

APPLICANT BLAKE LUNDE PHONE 754-5810

ADDRESS 3101 W. US HWY 90 LAKE CITY FL 32055

OWNER ALBERT & HAZEL DELGADO PHONE

ADDRESS 239 DE DELGADO CT LAKE CITY FL 32025

CONTRACTOR BLAKE LUNDE PHONE 754-5810

LOCATION OF PROPERTY 41 S, L CR-238, L DELGADO CT, FOLLOW TO END

TYPE DEVELOPMENT BATHROOM ADDITION ESTIMATED COST OF CONSTRUCTION 8800.00

HEATED FLOOR AREA 176.00 TOTAL AREA 176.00 HEIGHT 12.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 4/12 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. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 35-5S-17-09521-002 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 26.00

		CBC1253408		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	13-0091-R	BK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, ATTACHED TO EXISTING SFD NOTHING ADDITIONAL NEEDED FROM ELLISVILLE WATER SYSTEM

Check # or Cash 8970

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 $ 45.00 CERTIFICATION FEE $ 0.88 SURCHARGE FEE $ 0.88

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** 121.76

INSPECTORS OFFICE CLERKS OFFICE

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.

☑ Darnell Spradley ck. cnln

Columbia County Building Permit Application

For Office Use Only Application # 1302-27 Date Received 2/20/13 By LH Permit # 30810
Zoning Official BLK Date 26 FEB. 2013 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner T.L. Date 2-25-13
Comments
☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Well letter ☐ 911 Sheet ☐ Parent Parcel # ______
☐ Dev Permit # ______ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS ______ Fire ______ Corr ______ ☐ Sub VF Form
Road/Code ______ School ______ = TOTAL (Suspended) ☐ Ellisville Water (Existing SFD not Required) ☐ App Fee Paid

Septic Permit No. 13-0091 R Fax ______

Name Authorized Person Signing Permit Blake Lunde Phone 754-5810

Address 3101 W. US Hwy 90 Lake City FL 32055

Owners Name Albert & Hazel Delgado Phone ______

911 Address 239 SE Delgado Ct. L.C., FL 32055.

Contractors Name Blake Lunde Phone 754-5810

Address 3101 W US Hwy 90 L.C., FL 32055.

Fee Simple Owner Name & Address ______

Bonding Co. Name & Address ______

Architect/Engineer Name & Address Dikosway Eng.

Mortgage Lenders Name & Address ______

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

Property ID Number 35-5S-17-09521-002 Estimated Cost of Construction 19,500.

Subdivision Name ______ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions 41 S to CR.238 T-L Past HOBO TRACTOR ON Left (Delgado Ct) last Home

______ Number of Existing Dwellings on Property 1

Construction of BATHROOM ADDITION Total Acreage 26 Lot Size ______

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 12'

Actual Distance of Structure from Property Lines - Front ~~600~~ Side ~~75'~~ Side See site Plan Rear ______

Number of Stories 1 Heated Floor Area 176 Total Floor Area 176 Roof Pitch 4/12

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. **CODE:** Florida Building Code 2010 and the 2008 National Electrical Code.

TL spoke w/ BLAKE 2.26.13

Columbia County Building Permit Application

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 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.

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 BUILDING PERMITEE: ***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 COMMENCMENT 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.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 Signature (Permitee)

Contractor's License Number CBC-1253408
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6 **day of** February **20**13.

Personally known ____ **or Produced Identification**_____

State of Florida Notary Signature (For the Contractor)

SEAL

LINDA L. CARTER
Notary Public - State of Florida
My Comm. Expires Feb 16, 2016
Commission # EE 170556
Bonded Through National Notary Assn.

PRODUCT APPROVAL SPECIFICATION SHEET

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.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	PGT	2100 Series Low-E, Vinyl	FL-10257-R3
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	Kaycan	Vinyl Siding.	FL 15867
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Certainteed	Landmark 30 YR.	FL-5444-R2
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			

N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS			
B. TRUSS PLATES			
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the 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.

APPLICANT SIGNATURE

2-6-13
DATE

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1302-27 CONTRACTOR Blake Lunde PHONE (386) 754-581

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 309	Print Name Matt Burns Electric License #: ER13013004	Signature [signature] Phone #: 386-365-3688
MECHANICAL/A/C 138	Print Name LAMAR BOOZER License #: RA0035027	Signature [signature] Phone #: 754-6100
PLUMBING/GAS 298	Print Name Hometown Plumbing License #: RF11067414	Signature [signature] Phone #: [illegible]
ROOFING 498	Print Name Blake Construction Co. License #: CBC 1253408	Signature [signature] Phone #:
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	000063	Spradley Concrete	[signature]
FRAMING 177	177	Mitchell's Framing	[signature]
INSULATION 498	CBC 1253408	Blake Const. Co.	[signature]
STUCCO			
DRYWALL	000627	Jackson Drywall	[signature]
PLASTER			
CABINET INSTALLER 498	CBC 1253408	Blake Const Co.	[signature]
PAINTING	000104	Ted's Painting	[signature]
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE 498	CBC 1253408	Blake Const Co.	[signature]
FLOOR COVERING 498	CBC 1253408	Blake Const Co.	[signature]
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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.

CR # 10-5599

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

PERMIT NO. 13-0091R
DATE PAID: 2/19/13
FEE PAID: 185.00
RECEIPT #: 1077945

APPLICATION FOR:
[ ] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[X] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: ALBERT & HAZEL DELGADO

AGENT: BLAKE CONSTRUCTION CO. TELEPHONE: (386) 754-5810

MAILING ADDRESS: 3101 WEST US 90 LAKE CITY FL 32055

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

PROPERTY INFORMATION

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

PROPERTY ID #: 35-5S-17-09521-002 ZONING: AG I/M OR EQUIVALENT: [NO]

PROPERTY SIZE: 26.000 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 239 SE DELGADO CT.

DIRECTIONS TO PROPERTY: 441 SOUTH TURN LEFT ON CR 238 APP 1/2 MILE TURN LEFT ON DELGADO CT. TO END.

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No.	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	HOUSE	3	1,576	1400 ORIGINAL + 176 NEW BATHROOM
2				Held for pumpout
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

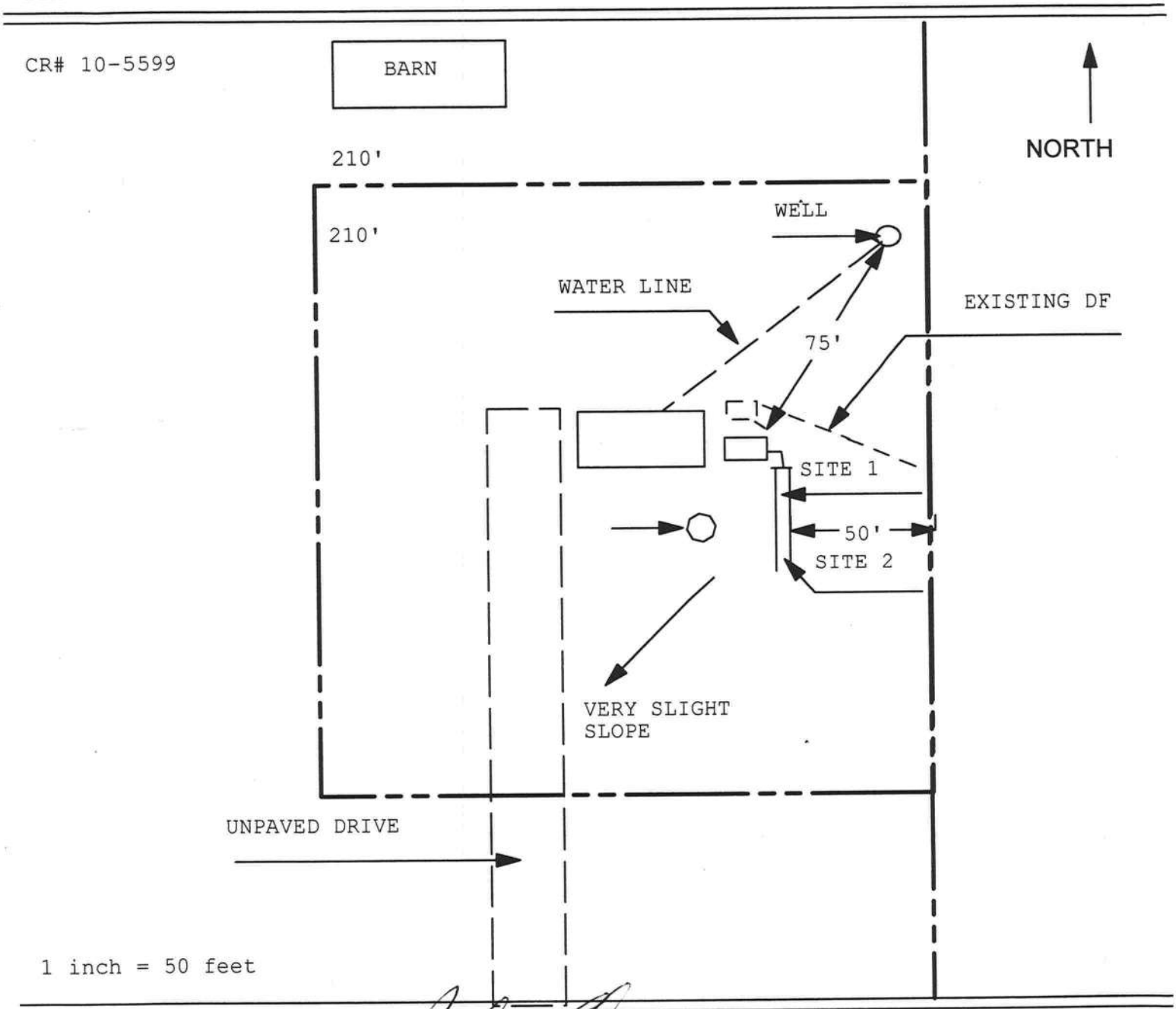
SIGNATURE: _____ DATE: 2-19-13

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

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

Permit Application Number: 13-0091R

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By _____ **Date** 2/12/13

Plan Approved X **Not Approved** ____ **Date** 2/22/13

By _____ Columbia **CPHU**

Notes: _____

SF

Columbia County Property Appraiser

CAMA updated: 2/1/2013

2012 Tax Year

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

Parcel: 35-5S-17-09521-002

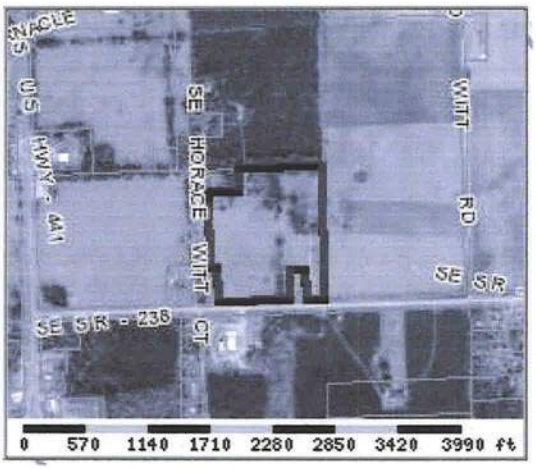
<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 9 Next >>

Owner & Property Info

Owner's Name	DELGADO ALBERT & HAZEL K		
Mailing Address	239 SE DELGADO CT LAKE CITY, FL 32055		
Site Address	239 SE DELGADO CT		
Use Desc. (code)	IMPROVED A (005000)		
Tax District	3 (County)	**Neighborhood**	35517
Land Area	26.000 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

COMM SW COR OF SEC, RUN N 60.61 FT TO N R/W CR-238, RUN E ALONG R/W 357.50 FT FOR POB, RUN N 315 FT, W 71 FT, N 708.32 FT, E 737.60 FT, S 1246 FT TO CR-238, W ALONG R/W 939 FT TO POB. BEING IN SW1/4 OF SW1/4, EX 1 ACRE.



Property & Assessment Values

2012 Certified Values		
Mkt Land Value	cnt: (1)	$4,600.00
Ag Land Value	cnt: (2)	$5,000.00
Building Value	cnt: (2)	$60,076.00
XFOB Value	cnt: (2)	$2,400.00
Total Appraised Value		$72,076.00
Just Value		$132,076.00
Class Value		$72,076.00
Assessed Value		$62,578.00
Exempt Value	(code: HX H3)	$25,000.00
Total Taxable Value		Cnty: $37,578 Other: $37,578 | Schl: $37,578

2013 Working Values

NOTE:
2013 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
			NONE			

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1955	COMMON BRK (19)	1400	1784	$46,922.00
2	MOBILE HME (000800)	1991	SINGLE SID (04)	1404	1628	$12,034.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst. 201312002464 Date:2/19/2013 Time:10:30 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1249 P:1887

Tax Parcel Identification Number:
35-5s-17-09521-002

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: 239 SE Delgado Ct. L.C., FL 32055
2. General description of improvements: Bathroom Addition

3. Owner Information
   a) Name and address: Albert & Hazel Delgado 239 SE Delgado Ct. LC, FL 32055
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property _____
4. Contractor Information
   a) Name and address: Blake Const. Co. of North Fla, Inc. 3101 W US Hwy 90 Ste 102 LC, FL 32055
   b) Telephone No.: 386-754-5810 Fax No. (Opt.) 386-719-6708
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6 Lender
   a) Name and address: _____
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, 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 and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____

9. Expiration date of Notice of Commencement **(the expiration date is one 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 Owner's Authorized Office/Director/Partner/Manager
Blake N. Lunde II.
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 6 day of February, 2013, by: Blake Lunde as Contractor (type of authority, e.g. officer, trustee, attorney fact) for Albert & Hazel Delgado (name of party on behalf of whom instrument was executed).

Personally Known ___ OR Produced Identification ___ Type _____

Notary Signature Linda L. Carter Notary Stamp or Seal:

LINDA L CARTER
Notary Public - State of Florida
My Comm. Expires Feb 16, 2016
Commission # EE 170556
Bonded through National Notary Assn.

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above)

FORM 402-2010	FLORIDA BUILDING CODE, ENERGY CONSERVATION Residential Building Thermal Envelope Approach	ALL CLIMATE ZONES

Scope: Compliance with Section 402 of the *Florida Building Code, Energy Conservation*, shall be demonstrated by the use of Form 402 for single- and multiple-family residences of three stories or less in height, additions to existing residential buildings, renovations to existing residential buildings, new heating, cooling, and water heating systems in existing buildings, as applicable.To comply, a building must meet or exceed all of the energy efficiency requirements on Table 402A and all applicable mandatory requirements summarized in Table 402B of this form. If a building does not comply with this method or Alternate Form 402, it may still comply under Section 405 of the *Florida Building Code, Energy Conservation*.

PROJECT NAME AND ADDRESS:	DELGADO ADDITION 239 SE DELGADO CT LAKE CITY, FL 32055	BUILDER: BLAKE CONSTRUCTION PERMITTING OFFICE: COLUMBIA Co.	
OWNER: ALBERT DELGADO		PERMIT NO.:	JURISDICTION NO.: 121000

General Instructions:

1. New construction which incorporates any of the following features cannot comply using this method: glass areas in excess of 20 percent of conditioned floor area, electric resistance heat and air handlers located in attics. **Additions ≤ 600 sq.ft., renovations and equipment changeouts may comply by this method with exceptions given.**
2. Fill in all the applicable spaces of the "To Be Installed" column on Table 402A with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
3. Complete page 1 based on the "To Be Installed" column information.
4. Read the requirements of Table 402B and check each box to indicate your intent to comply with all applicable items.
5. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. New construction, addition, or existing building	1. ADDITION	
2. Single-family detached or multiple-family attached	2. SF	
3. If multiple-family–No. of units covered by this submission	3. —	
4. Is this a worst case? (yes/no)	4. No	
5. Conditioned floor area (sq. ft.)	5. 176	
6. Glass type and area:		
a. U-factor	6a. 0.6	
b. SHGC	6b. 0.78	
c. Glass area	6c. 32 sq. ft.	
7. Percentage of glass to floor area	7. 18 %	
8. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (R-value)	8a. R= 0 60 lin. ft.	
b. Wood, raised (R-value)	8b. R= — sq. ft.	
c. Wood, common (R-value)	8c. R= — sq. ft.	
d. Concrete, raised (R-value)	8d. R= — sq. ft.	
e. Concrete, common (R-value)	8e. R= — sq. ft.	
9. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	9a-1. R= — sq. ft.	
2. Wood frame (Insulation R-value)	9a-2. R= 13 265 sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	9b-1. R= 7 176 sq. ft.	
2. Wood frame (Insulation R-value)	9b-2. R= — sq. ft.	
10. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	10a. R= 30 sq. ft. 176	
b. Single assembly (Insulation R-value)	10b. R= — sq. ft.	
11. Air distribution system: Duct insulation, location, Qn		
a. Duct location, insulation	11a. R= 6 ATTIC	
b. AHU location	11b. EXIST	
c. Qn, Test report attached (< 0.03; yes/no)	11c.Test report attached? Yes No	
12. Cooling system:		
a. Type	12a. Type: EXIST	
b. Efficiency	12b. SEER/EER: —	
13. Heating system:		
a. Type	13a. Type: EXIST	
b. Efficiency	13b. HSPF/COP/AFUE: —	
14. HVAC sizing calculation: attached	14. Yes No	
15. Hot water system:		
a. Type	15a. Type: ELEC	
b. Efficiency	15b. EF: 0.9	

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

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: [signature] DATE: 2/18/13 I hereby certify that this building is in compliance with the Florida Energy Code: OWNER AGENT: _____ DATE: _____	Review of 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 in accordance with Section 553.908, F.S. CODE OFFICIAL: _____ DATE: _____

TABLE 402A

BUILDING COMPONENT	PERFORMANCE CRITERIA[1]	INSTALLED VALUES:	
Windows (see Note 2): Skylights	U-Factor < 0.65 SHGC = 0.30 % of CFA < = 20% U-Factor < 0.75	U-Factor = 0.6 SHGC = 0.78 % of CFA = 18%	
Doors: Exterior door U-Factor	U-Factor < 0.65	U-Factor = NONE	
Floors: Slab-on-grade Over unconditioned spaces (see Note 3)	No requirement R-13	R-Value = 0 SLAB	
Walls – Ext. and Adj. (see Note 3): Frame Mass (see Note 3) Interior of wall: Exterior of wall:	 R-13 R-7.8 R-6	 R-Value = 13 R-Value = — R-Value = —	
Ceilings (see Notes 3 & 4) Reflectance	R=30 0.25	R-Value = 30 Reflectance = —	Test report Attached? Yes/No—
Air distribution system (see Note 4) Ductwork & air handling unit: Unconditioned space Conditioned space Duct R-value Air leakage Qn	 Not allowed R-value ≥ 6 Qn ≤ 0.03	 Location: EXIST. AHU R-Value = 6 Qn = —	Test report Attached? Yes/No
Air conditioning systems (see Note 5)	SEER = 13.0	SEER =	
Heating system Heat pump (see Note 5) Cooling: Heating: Gas furnace Oil furnace Electric resistance: Not allowed (see Note 5)	 SEER = 13.0 HSPF = 7.7 AFUE 78% AFUE 78%	 SEER = EXIST HSPF = EXIST AFUE = — AFUE = —	
Water heating system (storage type) Electric (see Note 6): Gas fired (see Note 7): Other (describe):	 40 gal: EF = 0.92 50 gal: EF = 0.90 40 gal: EF = 0.59 50 gal: EF = 0.58	 Gallons = 40 EF = 0.92 Gallons = — EF = —	

(1) Each component present in the As Proposed home must meet or exceed eachof the applicable performance criteria in order to comply with this code using this method; otherwise Section 405 compliance must be used.

(2) Windows and doors qualifying as glazed fenestration areas must comply with both the maximum U-Factor and the maximum SHGC (solar Heat Gain Coefficient) criteria and have a maximum total window area equal to or less than 20% of the conditioned floor area (CFA); otherwise Section 405 must be used for compliance.
Exception: Additions of 600 square feet (56 m^2) or less may have a maximum glass to CFA of 50 percent.

(3) R-values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the "interior of wall" requirement must be met except if at least 50% of the R-6 insulation required for the "exterior of wall" is installed exterior of, or integral to, the wall.

(4) Ducts & AHU installed substantially leak free per Section 403.2.2.1. Test by Class 1 BERS rater required.
Exception: Ducts installed onto an existing air distribution system as part of an addition or renovation; duct must be R-6 installed per Sec. 503.2.7.2.

(5) For all conventional units with capacities greater than 30,000 Btu/hr. For other types of equipment, see Tables 503.2.3(1-8).
Exception: The prohibition on electric resistance heat does not apply to additions, renovations and new heating systems installed in existing buildings.

(6) For other electric storage volumes, minimum EF = 0.97-(0.00132 x volume).

(7) For other natural gas storage volumes, minimum EF = 0.67-(0.0019 x volume).

TABLE 402B MANDATORY REQUIREMENTS

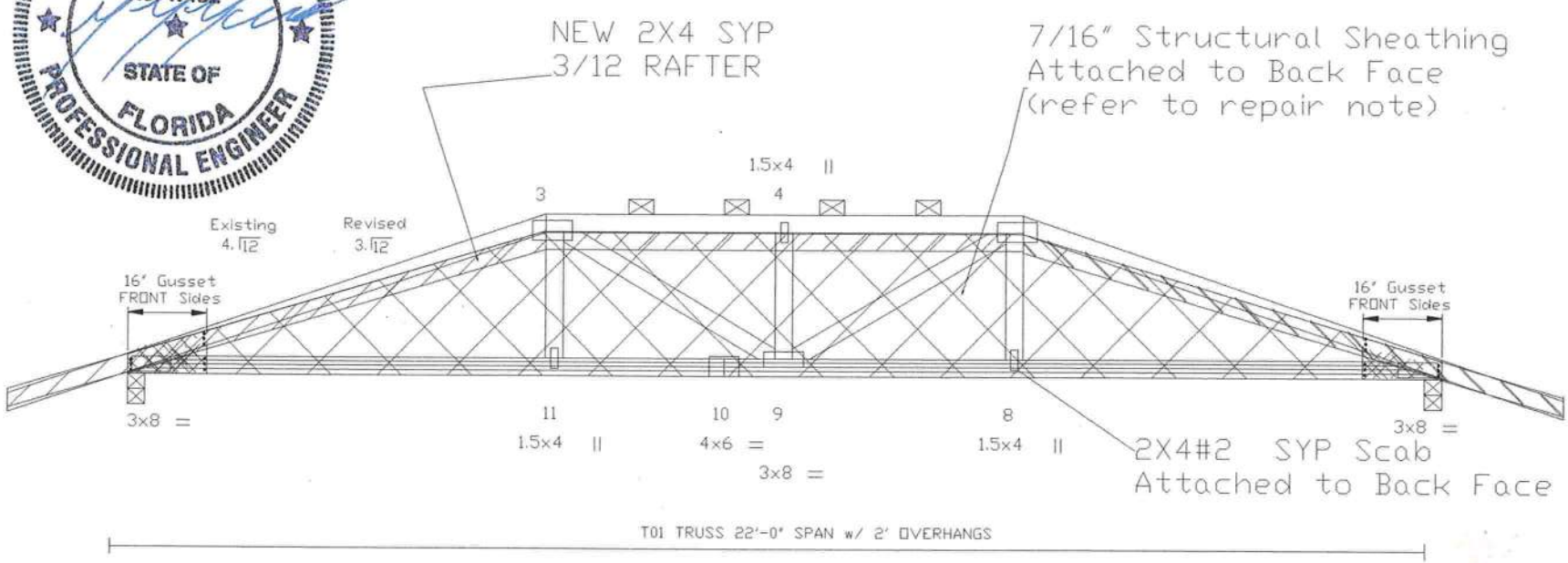
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air.	✓
Ceilings/knee walls	405.2.1	R-19 space permitting.	N/A
Programmable thermostat	403.1.1	Where forced-air furnace is primary system, programmable thermostat is required.	N/A
Air distribution system	403.2	Ducts in attics or on roofs insulated to R-8; other ducts R-6. Ducts tested to Q_n = 0.03 by a Class 1 BERS rater.	✓
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	✓
Swimming pool & spas	403.9	Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency = 78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	N/A
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	N/A
Lighting equipment	404.1	At least 50% of permanently installed lighting fixtures shall be high-efficacy lamps.	✓

30810

MANUEL MARTINEZ LICENSE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Manuel Martinez

Digitally signed by Manuel Martinez
DN: c=US, o=DST ACES Business
Representative, ou=M AND E ASSOCIATES P.A., cn=Manuel Martinez, 0.9.2342.19200300.100.1.1=A01096900000130 4798E2190000A517
Date: 2013.04.01 12:26:37 -04'00'



REPAIR NOTES:

1. **TO REMOVE THE AS-BUILT 4/12 TOP CHORDS AND REATTACH THE 2X4 #2 SYP CHORDS FOR A 3/12 SLOPE** , ATTACH A 7/16" APA RATED STRUCTURAL SHEATHING GUSSET TO THE BACK SIDE OF THE TRUSS WITH 0.113 x 2 1/2" GUN NAILS STAGGERED 3" o/c ALONG ALL CHORDS AND WEBS. ALONG THE ENTIRE BOTTOM CHORD, NAIL A 2X4 #2 SYP SCAB THROUGH THE SHEATHING WITH 0.131 X 3" (16d) @ 4" O/C . ON THE FRONT FACE (side of the jacks) OF THE GIRDER, NAIL NOM. 1/2" x APA RATED STRUCTURAL SHEATHING GUSSET (sizes & locations shown) WITH 2-ROWS OF 0.113 x 2 1/2" NAILS STAGGERED 4" o/c ALONG THE TOP, BOTTOM CHORDS AND WEBS. ADD A CLUSTER OF (3) NAILS AND AT THE EDGE OF THE GUSSETS IN EACH CHORD & WEBS, ONE SIDE.

GENERAL NOTES:

1. This 'Truss Repair Drawing' is intended to detail the required repair described in the 'REPAIR NOTE' above. The seal on this drawing indicates acceptance of professional engineering responsibility solely to return the structural integrity of the damaged truss backed to it's original designed capacity based on the information supplied by the Truss Design Engineer.
2. Refer to the original truss design supplied by the T.D.E. for the lumber grade and sizes, plate sizes, loads and all other truss design details.
3. This design complies with the latest edition of N.D.S.. Nail, screw or bolt spacing, edge and end distances to comply with NDS.
4. Existing truss connector plates must be fully embedded and undisturbed.

LOADING CRITERIA	
TOP CHORD LIVE LOAD	20p.s.f.
TOP CHORD DEAD LOAD	7p.s.f.
BOTTOM CHORD LIVE LOAD	0p.s.f.
BOTTOM CHORD DEAD LOAD	5p.s.f.
TOTAL LOAD	32 psf @ 24'o/c p.s.f.
DURATION FACTOR	1.25 (const.)
WIND STANDARD	ASCE 7-10
WIND SPEED	130 mph
BUILDING EXPOSURE	Enclosed
BUILDING TYPE	II - Residential

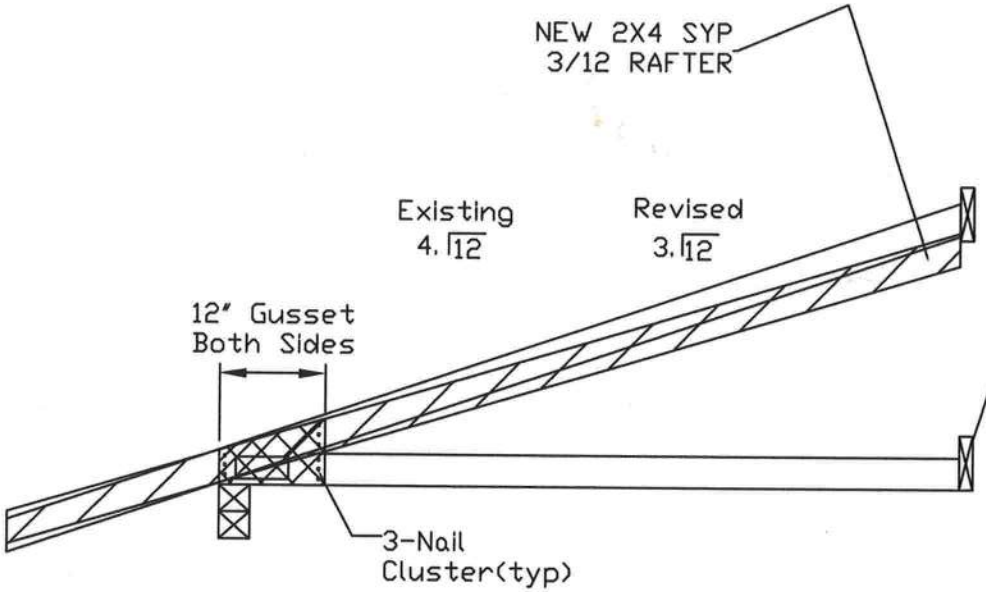
TRUSS I.D.	T01
DATE:	03/29/13 Revised: 04/01/13
REV.BY:	D
ABC#	J13010'

TRUSS REPAIR DRAWING

CUSTOMER: Blake Construction
PROJECT: Delgado Addition
LOCATION: 239 S.E. Delgado Ct, Lake City,Fla 32055

M & E ASSOCIATES, P.A.
CONSULTING ENGINEER
10019 Charlton Circle
Orlando, Florida 32832
(321) 558-5766 ; Fax (407) 658-0010
Manuel Martinez, P.E.

FLORIDA P.E.Reg. #47182



Typical Repair for Trusses EJ01, J01, J02 & J03

MANUEL MARTINEZ LICENSE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Manuel Martinez

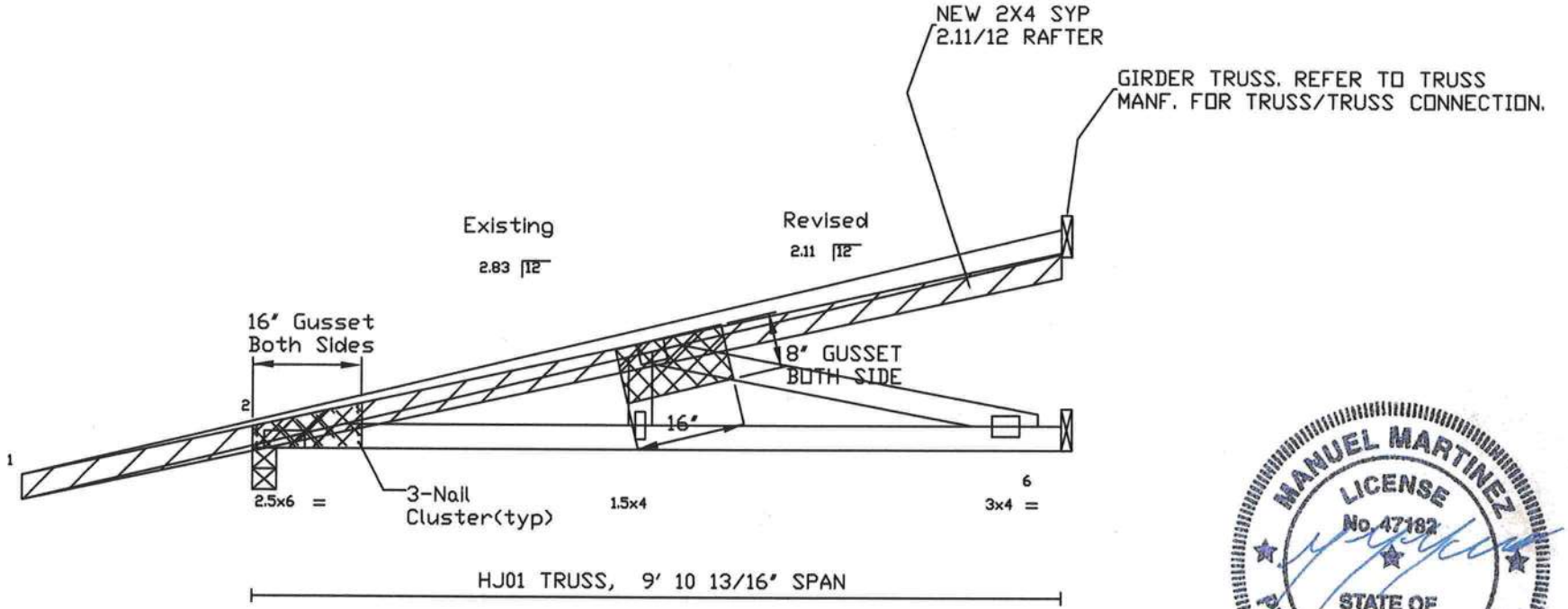
Digitally signed by Manuel Martinez
DN: c=US, o=OST ACES Business Representative, cn=M AND E ASSOCIATES P.A., cn=Manuel Martinez, 0.9.2342.19200300.100.1.1=A01096900000150479BE2190000A517
Date: 2013.04.01 12:23:03 -04'00'

REPAIR NOTES:
1. TO REMOVE THE AS-BUILT 4/12 TOP CHORD AND REATTACH A 2X4 #2 SYP CHORD @ 3/12 , ATTACH A NOM. 1/2" X 12" APA RATED STRUCTURAL SHEATHING GUSSET TO BOTH SIDES WITH 2-ROWS OF 0.113 x 2 1/2" NAILS STAGGERED 4" o/c ALONG THE TOP AND BOTTOM CHORDS AND A CLUSTER OF (3) NAILS AT THE EDGE OF THE GUSSET, EACH END OF BOTH 2X4'S, ONE SIDE.

GENERAL NOTES:
1. This 'Truss Repair Drawing' is intended to detail the required repair described in the 'REPAIR NOTE' above. The seal on this drawing indicates acceptance of professional engineering responsibility solely to return the structural integrity of the damaged truss backed to it's original designed capacity based on the information supplied by the Truss Design Engineer.
2. Refer to the original truss design supplied by the T.D.E. for the lumber grade and sizes, plate sizes, loads and all other truss design details.
3. This design complies with the latest edition of N.D.S.. Nail, screw or bolt spacing, edge and end distances to comply with NDS.
4. Existing truss connector plates must be fully embedded and undisturbed.

LOADING CRITERIA	
TOP CHORD LIVE LOAD	20 p.s.f.
TOP CHORD DEAD LOAD	7 p.s.f.
BOTTOM CHORD LIVE LOAD	0 p.s.f.
BOTTOM CHORD DEAD LOAD	5 p.s.f.
TOTAL LOAD	32 psf @ 24"o/c p.s.f.
DURATION FACTOR	1.25 (const.)
WIND STANDARD	ASCE 7-10
WIND SPEED	130 m.p.h.
BUILDING EXPOSURE	Enclosed
BUILDING TYPE	II - Residential

TRUSS I.D. EJ01 DATE: 03/29/13 REV.BY: D JOB# J13010'	**TRUSS REPAIR DRAWING** CUSTOMER: Blake Construction PROJECT: Delgado Addition LOCATION: 239 S.E. Delgado Ct, Lake City,Fla 32055	**M & E ASSOCIATES, P.A.** CONSULTING ENGINEER 10019 Charlton Circle Orlando, Florida 32832 (321) 558-5766 ; Fax (407) 658-0010 Manuel Martinez, P.E. FLORIDA P.E.Reg. #47182



MANUEL MARTINEZ LICENSE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Manuel Martinez

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Date: 2013.04.01 12:24:32 -04'00'

REPAIR NOTES:
1. TO REMOVE THE AS-BUILT 4/12 TOP CHORD AND REATTACH A 2X4 #2 SYP CHORD @ 3/12 , ATTACH A NOM. 1/2" APA RATED STRUCTURAL SHEATHING GUSSET (SIZES SHOWN) TO BOTH SIDES WITH 2-ROWS OF 0.113 x 2 1/2" NAILS STAGGERED 4" o/c ALONG THE TOP AND BOTTOM CHORDS AND A CLUSTER OF (3) NAILS AT THE EDGE OF THE GUSSET, EACH END OF BOTH 2X4'S, ONE SIDE.

GENERAL NOTES:
1. This "Truss Repair Drawing" is intended to detail the required repair described in the "REPAIR NOTE" above. The seal on this drawing indicates acceptance of professional engineering responsibility solely to return the structural integrity of the damaged truss backed to it's original designed capacity based on the information supplied by the Truss Design Engineer.
2. Refer to the original truss design supplied by the T.D.E. for the lumber grade and sizes, plate sizes, loads and all other truss design details.
3. This design complies with the latest edition of N.D.S., Nail, screw or bolt spacing, edge and end distances to comply with NDS.
4. Existing truss connector plates must be fully embedded and undisturbed.

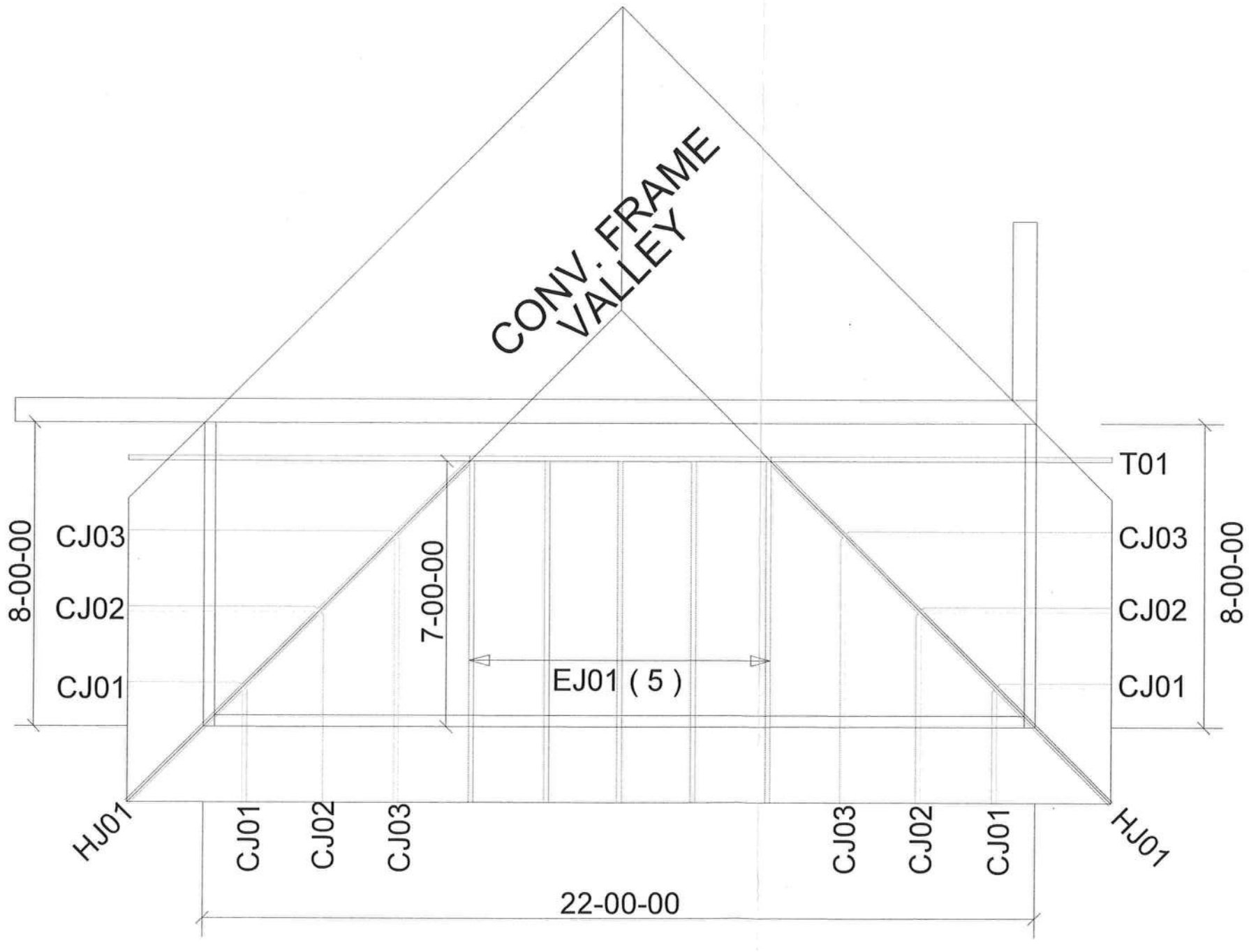
LOADING CRITERIA	
TOP CHORD LIVE LOAD	20 p.s.f.
TOP CHORD DEAD LOAD	7 p.s.f.
BOTTOM CHORD LIVE LOAD	0 p.s.f.
BOTTOM CHORD DEAD LOAD	5 p.s.f.
TOTAL LOAD	32 psf @ 24"o/c p.s.f.
DURATION FACTOR	1.25 (const.)
WIND STANDARD	ASCE 7-10
WIND SPEED	130 m.p.h.
BUILDING EXPOSURE	Enclosed
BUILDING TYPE	II – Residential

TRUSS I.D. HJ01 DATE: 03/29/13 REV.BY: D JOB# J13010'			**TRUSS REPAIR DRAWING** CUSTOMER: Blake Construction PROJECT: Delgado Addition LOCATION: 239 S.E. Delgado Ct, Lake City,Fla 32055

M & E ASSOCIATES, P.A.
CONSULTING ENGINEER
10019 Charlton Circle
Orlando, Florida 32832
(321) 558-5766 ; Fax (407) 658-0010
Manuel Martinez, P.E.

FLORIDA P.E.Reg. #47182

4/12 PITCH - 24" O/H



BEARING HEIGHT SCHEDULE

	BASE

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING). REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING UNLESS OTHERWISE NOTED.

5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6) 5X42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

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

Tampa
PHONE: 813-621-9851 FAX: 813-628-8956

Freeport
PHONE: 850-835-4541 FAX: 850-835-6839

BUILDER: BLAKE CONST.

LEGAL DESCRIPTION: DELGADO ADDITION

MODEL:	Revision:
CUSTOM	Rev. By:
DATE: 2-12-13	DRAWN BY: KLH
Original Reference #: 468104	
Enclosed Job #:	Enclosed Job #:
Roof Job #: 468104	

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

JULIUS LEE PE.

RE: 468104 - BLAKE CONST. - DELGADO ADDITION

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:
Project Customer: BLAKE CONST. Project Name: 468104 Model: DELGADO RES.
Lot/Block: Subdivision:
Address: 239 SE DELGADO CT
City: COLUMBIA CTY State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: BLAKE N. LUNDE II License #: RR0067618
Address: 2250 SW JAGUAR DR
City: LAKE CITY, State: FL

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 130 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 6 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.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

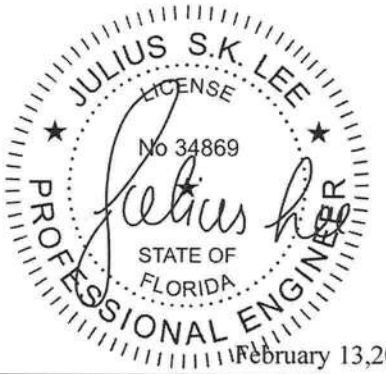
No.	Seal#	Truss Name	Date
1	I6394576	CJ01	2/13/013
2	I6394577	CJ02	2/13/013
3	I6394578	CJ03	2/13/013
4	I6394579	EJ01	2/13/013
5	I6394580	HJ01	2/13/013
6	I6394581	T01	2/13/013

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 (Jax).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



February 13,2013

Julius Lee

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION	I6394576
468104	CJ01	Jack-Open Truss	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.350 s Jul 31 2012 MiTek Industries, Inc. Wed Feb 13 11:07:49 2013 Page 1

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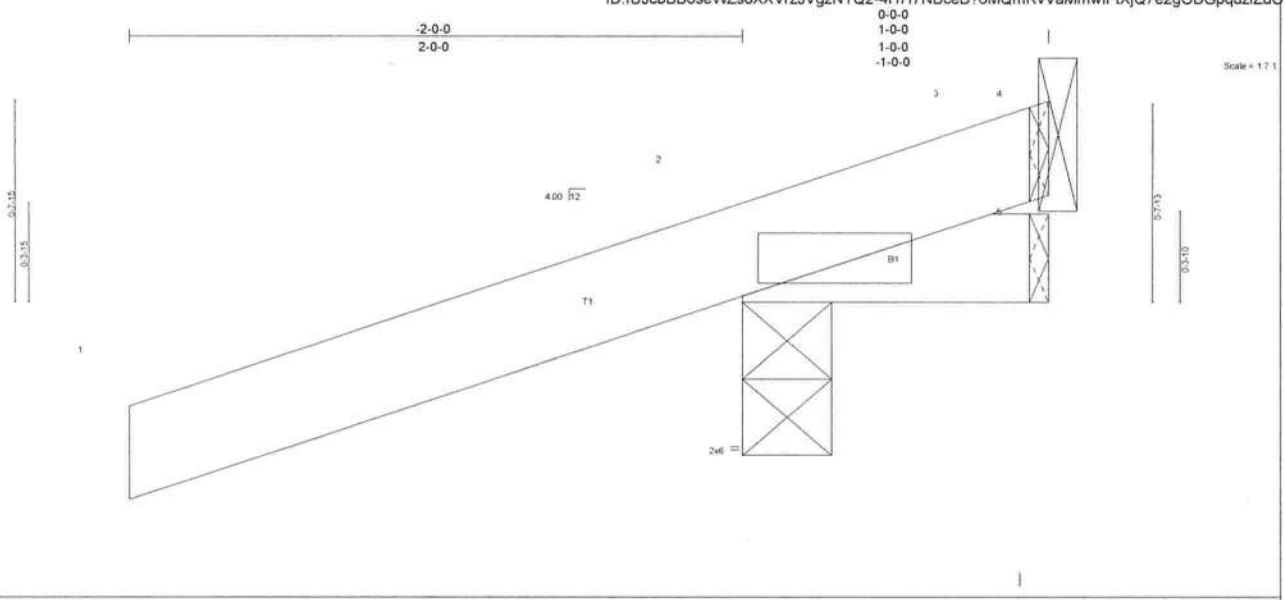

Plate Offsets (X,Y): [2:0-6-10,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 6 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 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=185/0-3-8 (min. 0-1-8), 3=-43/Mechanical
Max Horz 2=61(LC 8)
Max Uplift 2=-221(LC 8), 3=-54(LC 2)
Max Grav 2=227(LC 2), 3=74(LC 10)

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

NOTES (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 2 and 54 lb uplift at joint 3.
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.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 13,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION	I6394577
468104	CJ02	Jack-Open Truss	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Wed Feb 13 11:07:50 2013 Page 1

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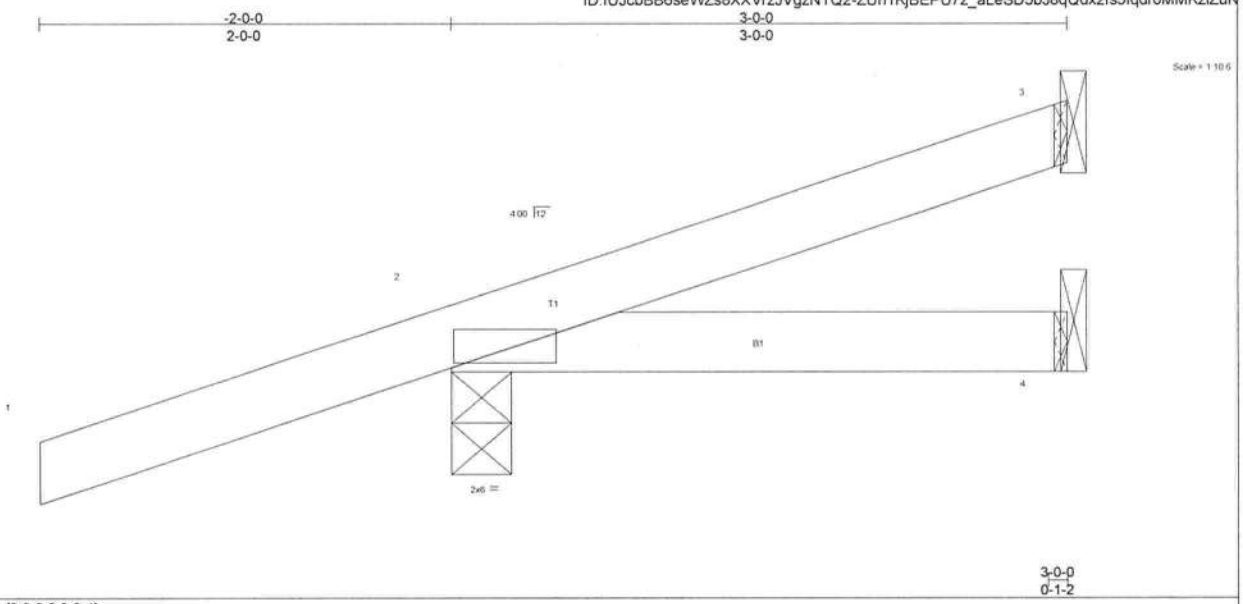

Plate Offsets (X,Y): [2:0-6-2,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 12 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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) 3=40/Mechanical, 2=194/0-3-8 (min. 0-1-8), 4=12/Mechanical
Max Horz 2=91(LC 8)
Max Uplift 3=-40(LC 12), 2=-184(LC 8)
Max Grav 3=49(LC 2), 2=234(LC 2), 4=32(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-431/87
BOT CHORD 2-4=-84/477

NOTES (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 3 and 184 lb uplift at joint 2.
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.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 13,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION I6394578
468104	CJ03	Jack-Open Truss	4	1	Job Reference (optional)

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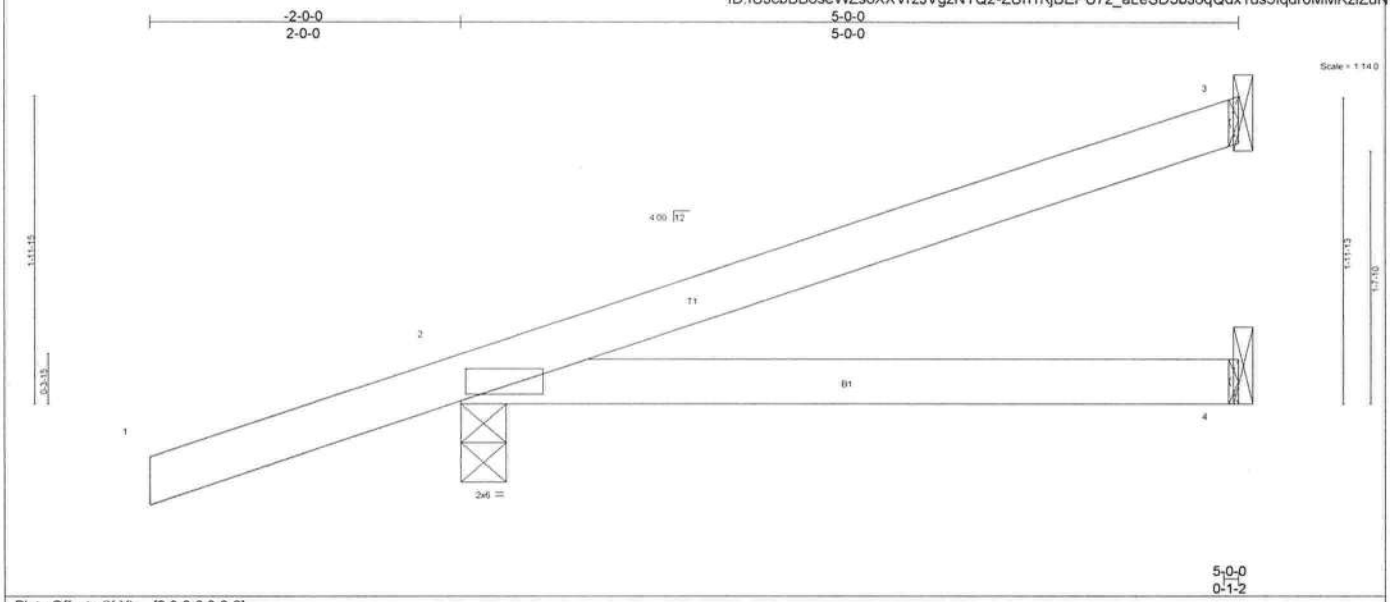

Plate Offsets (X,Y): [2:0-6-6,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.04	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 19 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 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) 3=78/Mechanical, 2=253/0-3-8 (min. 0-1-8), 4=24/Mechanical
Max Horz 2=123(LC 8)
Max Uplift3=-78(LC 12), 2=-210(LC 8)
Max Grav 3=95(LC 2), 2=303(LC 2), 4=56(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-744/130
BOT CHORD 2-4=-232/849

NOTES (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 3 and 210 lb uplift at joint 2.
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.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 13,2013

Julius Lee PE,
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION	I6394579
468104	EJ01	Jack-Partial Truss	5	1	Job Reference (optional)	

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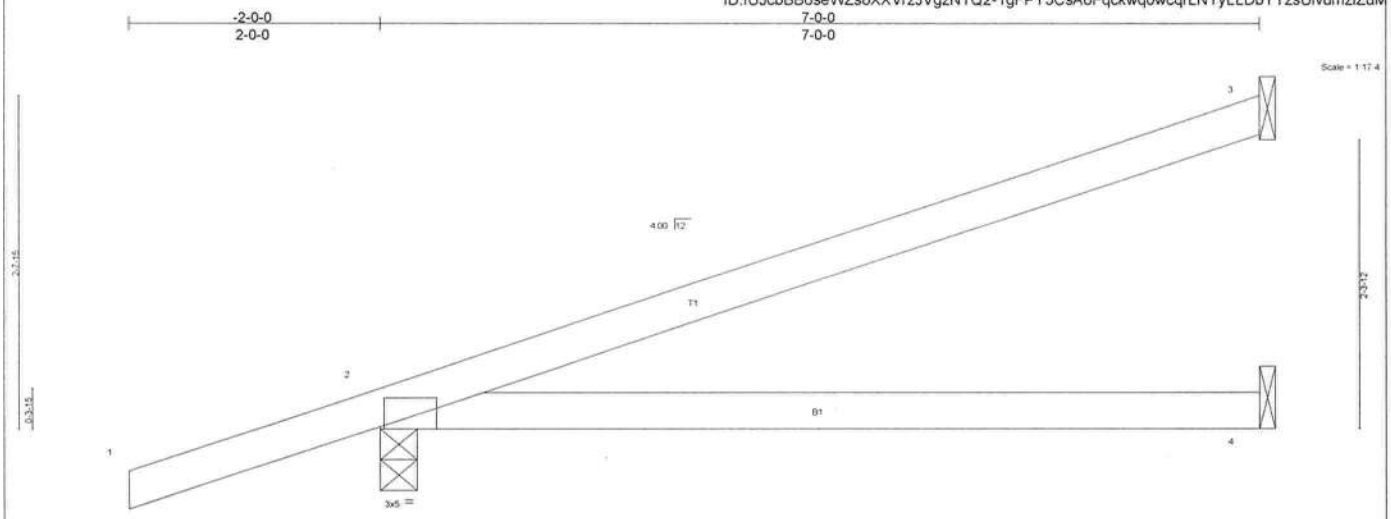

Plate Offsets (X,Y): [2:0-0-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.07	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.11	4-7	>751	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 25 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-7 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) 3=112/Mechanical, 2=318/0-3-8 (min. 0-1-8), 4=33/Mechanical
Max Horz 2=112(LC 8)
Max Uplift 3=-72(LC 12), 2=-158(LC 8)
Max Grav 3=137(LC 2), 2=380(LC 2), 4=79(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1164/521
BOT CHORD 2-4=-722/1356

NOTES (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 3 and 158 lb uplift at joint 2.
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.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 13,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION	I6394580
468104	HJ01	Diagonal Hip Girder	2	1	Job Reference (optional)	

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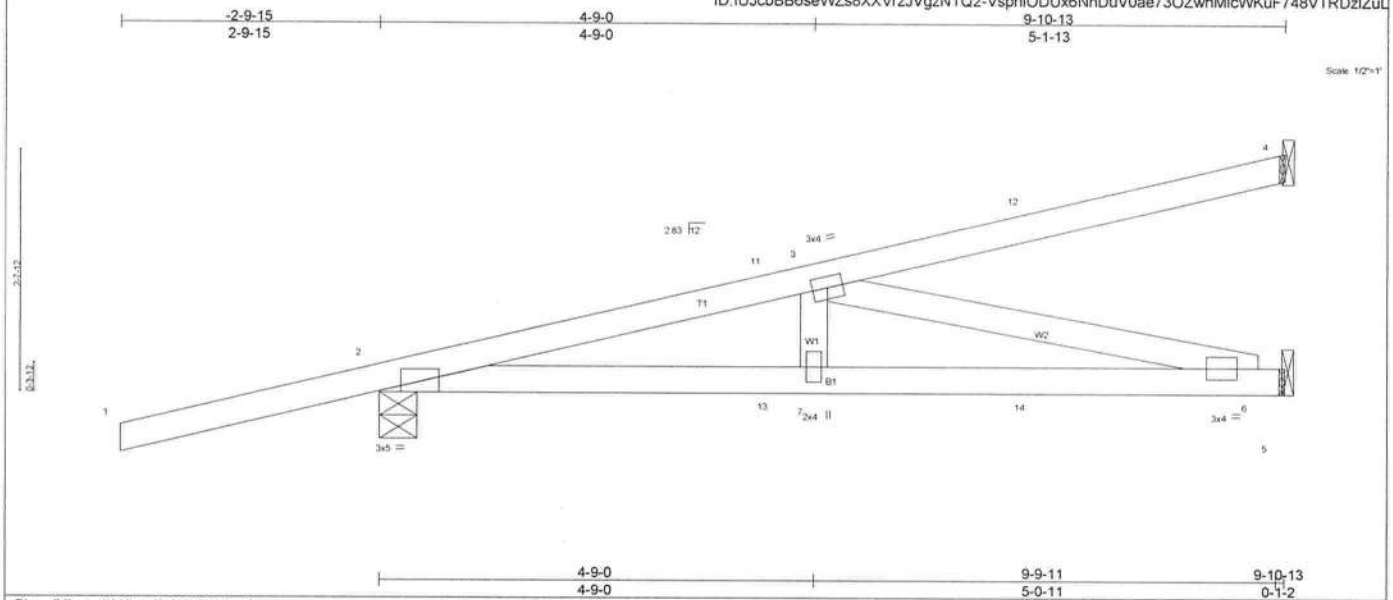

Plate Offsets (X,Y): [2:0-2-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.12	6-7	>984	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 43 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 8-5-3 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=122/Mechanical, 2=434/0-4-15 (min. 0-1-8), 5=193/Mechanical
Max Horz 2=156(LC 4)
Max Uplift4=-120(LC 4), 2=-349(LC 4), 5=-95(LC 8)
Max Grav 4=149(LC 2), 2=519(LC 2), 5=225(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-864/410, 3-11=-827/411
BOT CHORD 2-13=-482/826, 7-13=-482/826, 7-14=-482/826, 6-14=-482/826
WEBS 3-6=-848/495

NOTES (9-11)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 4, 349 lb uplift at joint 2 and 95 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5 lb down and 41 lb up at 4-3-11, 5 lb down and 41 lb up at 4-3-11, and 41 lb down and 78 lb up at 7-1-10, and 41 lb down and 78 lb up at 7-1-10 on top chord, and 3 lb down and 3 lb up at 4-3-11, 3 lb down and 3 lb up at 4-3-11, and 26 lb down at 7-1-10, and 26 lb down at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 5-8=-10
Concentrated Loads (lb)
Vert: 11=8(F=4, B=4) 12=-67(F=-34, B=-34) 13=-5(F=-2, B=-2) 14=-29(F=-14, B=-14)

February 13,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION	
468104	T01	Hip Truss	1	1	Job Reference (optional)	I6394581

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Wed Feb 13 11:07:54 2013 Page 1

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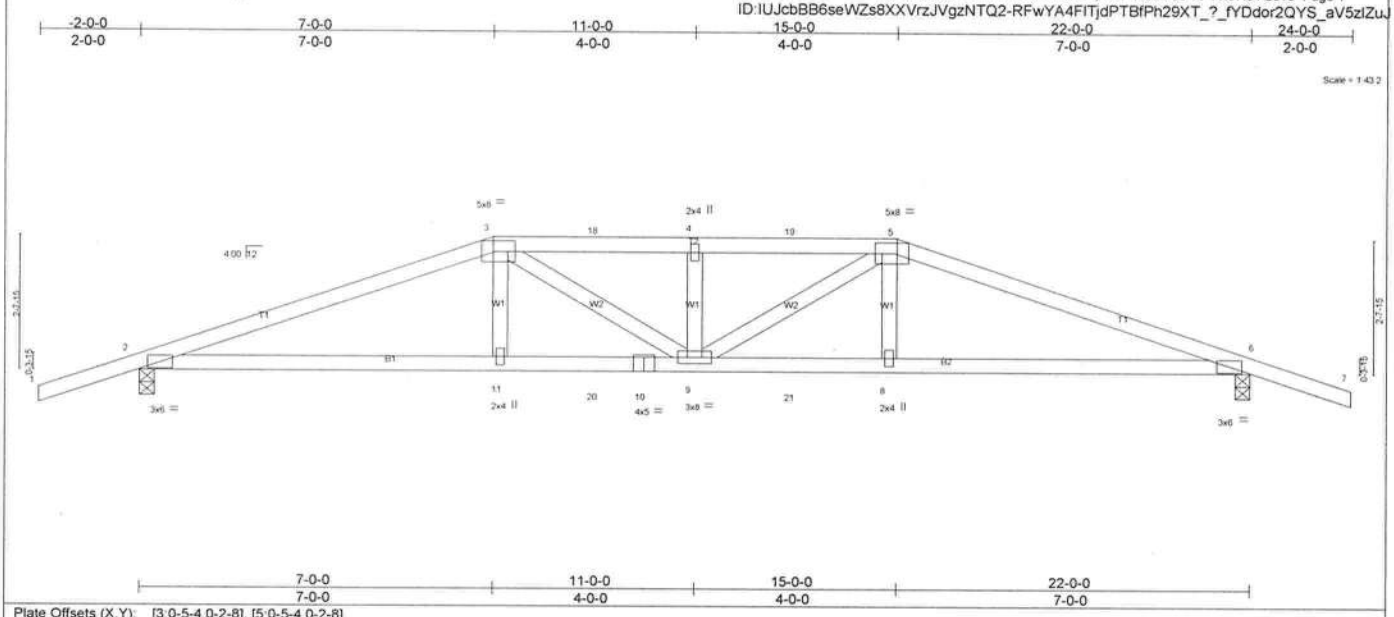

Plate Offsets (X,Y): [3:0-5-4,0-2-8], [5:0-5-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.21	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.42	8-9	>634	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.11	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 95 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 2-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-10 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=1117/0-3-8 (min. 0-1-9), 6=1146/0-3-8 (min. 0-1-10)
Max Horz 2=41(LC 4)
Max Uplift 2=-511(LC 4), 6=-545(LC 5)
Max Grav 2=1325(LC 2), 6=1359(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2966/1055, 3-18=-3257/1214, 4-18=-3257/1214, 4-19=-3257/1214, 5-19=-3257/1214, 5-6=-3071/1161
BOT CHORD 2-11=-952/2753, 11-20=-954/2770, 10-20=-954/2770, 9-10=-954/2770, 9-21=-1023/2870, 8-21=-1023/2870, 6-8=-1020/2853
WEBS 3-11=-45/408, 3-9=-254/669, 4-9=-428/213, 5-9=-139/554, 5-8=-44/408

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 2 and 545 lb uplift at joint 6.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 79 lb up at 7-0-0, 83 lb down and 79 lb up at 9-0-12, 83 lb down and 79 lb up at 11-0-0, and 83 lb down and 79 lb up at 12-11-4, and 177 lb down and 205 lb up at 15-0-0 on top chord, and 243 lb down and 98 lb up at 7-0-0, 49 lb down at 9-0-12, 49 lb down at 11-0-0, and 49 lb down at 12-11-4, and 243 lb down and 98 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

February 13,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - DELGADO ADDITION
468104	T01	Hip Truss	1	1	I6394581
					Job Reference (optional)

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-44, 3-5=-44, 5-7=-44, 12-15=-10

Concentrated Loads (lb)

Vert: 3=-68(F) 5=-146(F) 11=-206(F) 9=-23(F) 4=-68(F) 8=-206(F) 18=-68(F) 19=-68(F) 20=-23(F) 21=-23(F)

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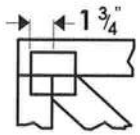
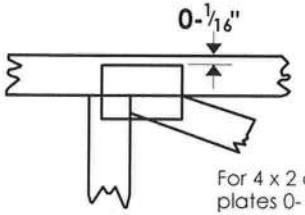
Boynton Beach,FL 33435

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

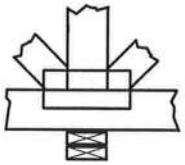
4 x 4

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, I or Eliminator bracing if indicated.

BEARING

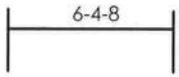


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

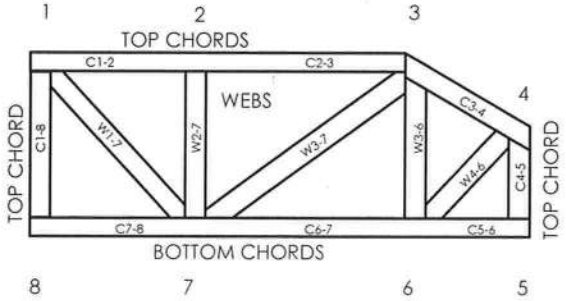
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

Julius Lee PE
1109 Coastal Bay ,
Boynton Beach ,FL 33435

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 BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator 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.

August 10, 2010	T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY	ST - T-BRACE 2

MiTek Industries, Inc.

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

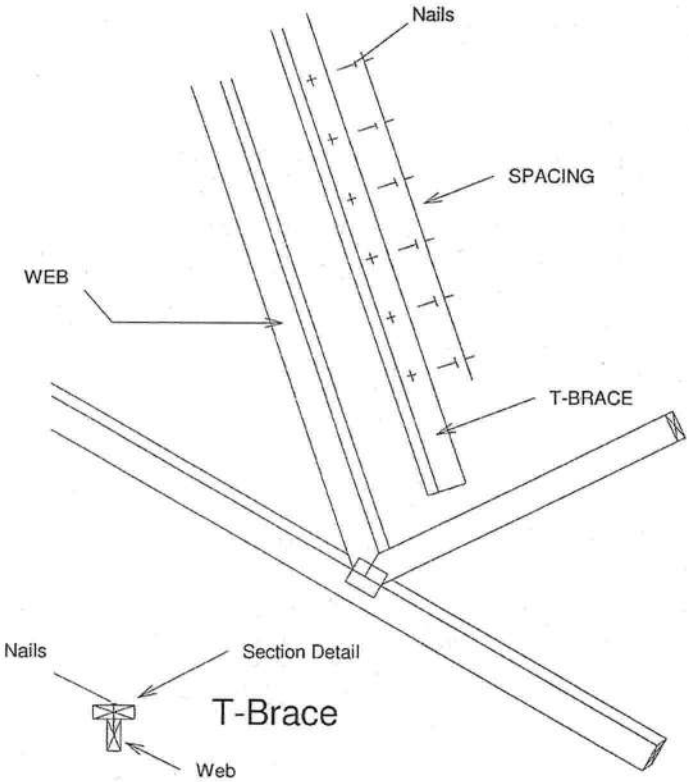
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

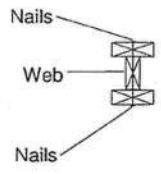
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.





I-Brace

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JANUARY 1, 2009	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

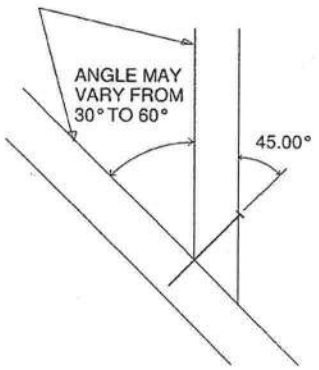
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

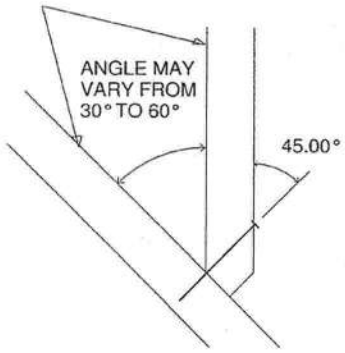
SIDE VIEW

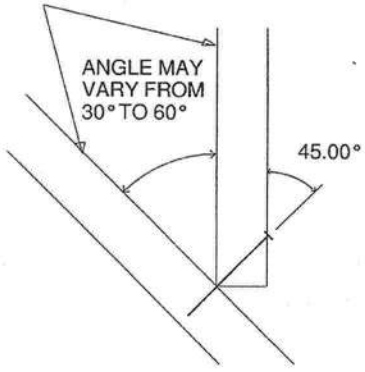
3 NAILS

EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity







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FEBRUARY 14, 2012	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY-7-10

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E MAX MEAN ROOF HEIGHT = 30 FEET MAX TRUSS SPACING = 24 " O.C. CATEGORY II BUILDING EXPOSURE B or C ASCE 7-10 DURATION OF LOAD INCREASE : 1.60
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

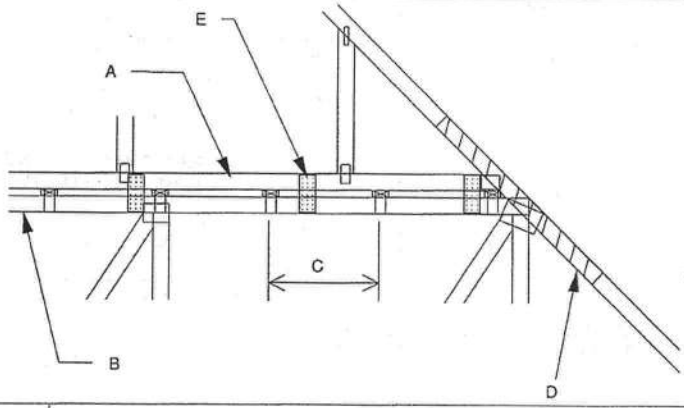
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.

B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.

C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131" X 3.5" NAILS EACH.

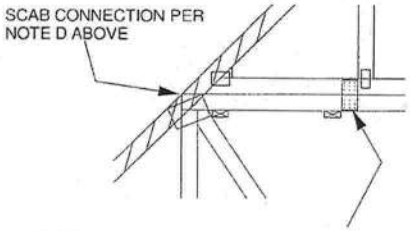
D - 2 X __ X 4'-0" SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131" X 3" NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)

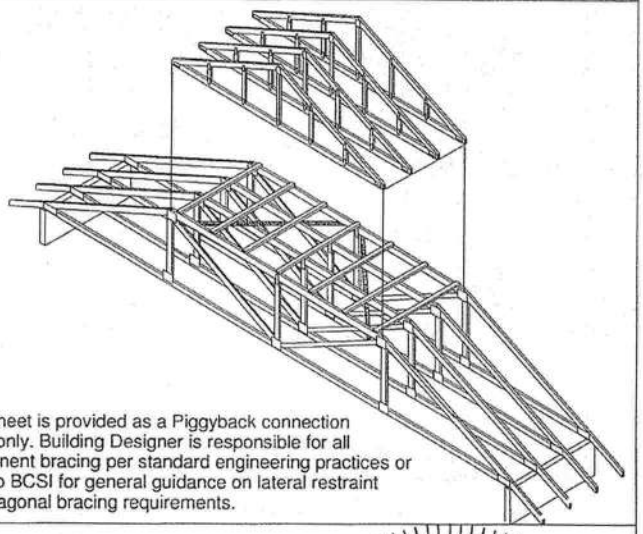


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

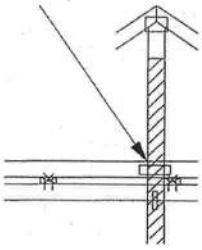


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



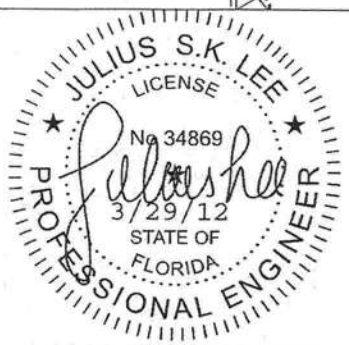
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



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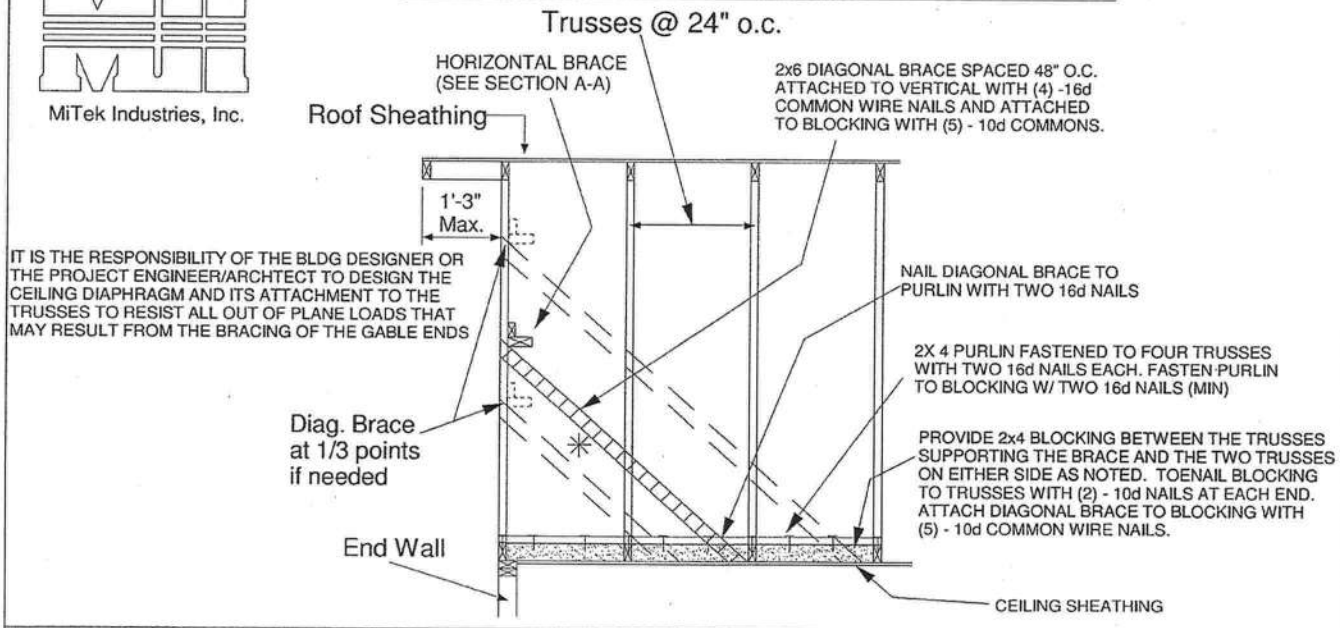
ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

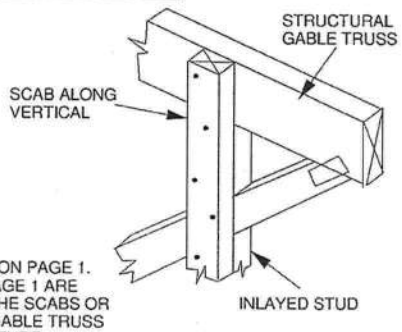
STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:

METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.

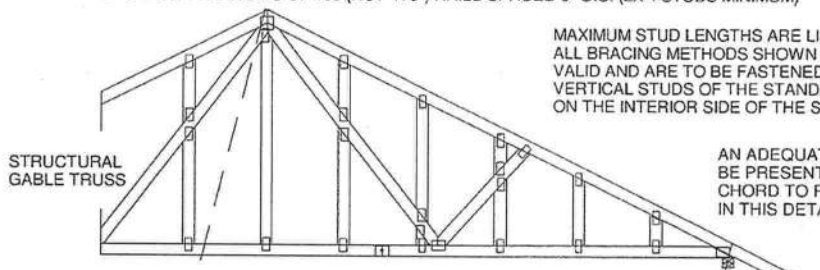
METHOD 2 : ATTACH 2X__ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

NAILING SCHEDULE:

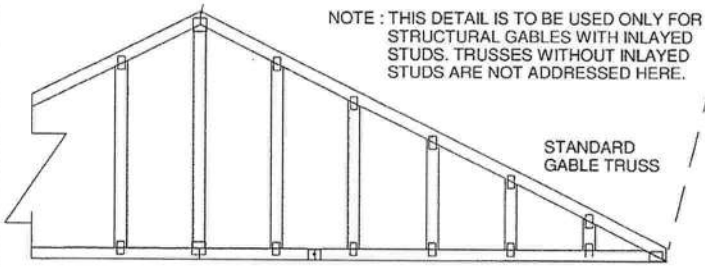
- FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (.131" X 3") NAILS SPACED 6" O.C.
- FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (.131" X 3") NAILS SPACED 6" O.C. (2X 4 STUDS MINIMUM)

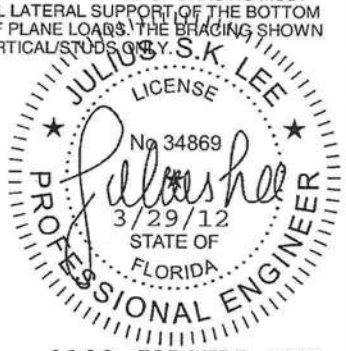


MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.





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