

DATE 07/13/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027941

APPLICANT DENNIS O'NEIL PHONE 454-2476
ADDRESS 235 NE 2ND AVE HIGH SPRINGS FL 32643
OWNER EDWARD & KYLE BUNNELL PHONE 386 462-7006
ADDRESS 1002 SW GRASSY LANE FT. WHITE FL 32038
CONTRACTOR DENNIS O'NEIL PHONE 454-2476
LOCATION OF PROPERTY 47S, TL ON GRASSY LANE, TO THE END

TYPE DEVELOPMENT SFD ADDITION ESTIMATED COST OF CONSTRUCTION 13500.00
HEATED FLOOR AREA 270.00 TOTAL AREA 270.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT
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 10-6S-16-03814-113 SUBDIVISION SOUTH FORK
LOT 14 BLOCK PHASE UNIT 0 TOTAL ACRES 20.00

CGC061581
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 09-378 BK WR N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Check # or Cash 19465

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Insulation
date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 70.00 CERTIFICATION FEE \$ 1.35 SURCHARGE FEE \$ 1.35
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 147.70
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. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"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.



Columbia County Building Permits Application

Application # _____

Property ID Number	<u>10-65-16-03814-113 HX</u>	Septic Permit No.	<u>05-0378-M</u>
Subdivision Name	<u>South Fork</u>	Lot	<u>14</u> Block _____ Unit _____ Phase _____
Construction of	<u>Room Addition</u>	Cost of Construction	<u>29,000.00</u>
Mobile Home Permit - New or Used (Circle One)	_____	Year	_____ Length _____ Width _____
Name of the Authorized Person Signing the Permit	<u>DENNIS ONEIL</u> ✓		
Phone	<u>386 454 2476</u>	Fax	<u>386 454 4244</u>
Address	<u>235 NE 2ND ST. HIGH SPRINGS, FL.</u>		
Owners Name	<u>EDWARD BUNNELL</u>	Phone	<u>727 515 0043</u>
911 Address	<u>1002 SW GRASSY LN. FT. WHITE FL.</u>		
Relationship to Property Owner	_____	Is this Home Replacing an Existing Home	_____
Contractors Name	<u>ONEIL Construction of High Springs INC</u>	Phone	<u>386 454 2476</u>
Company Name	<u>Dennis Oneil</u>	Fax	<u>386 454 4244</u>
Address	<u>235 NE 2ND AVE HIGH SPRINGS, FL. 32643</u>		
Fee Simple Owner Name & Address	<u>EDWARD BUNNELL 1002 SW GRASSY LN. FT. WHITE</u>		
Bonding Co. Name & Address	<u>N/A</u>		
Architect/Engineer Name & Address	<u>N/A</u>		
Mortgage Lenders Name & Address	<u>N/A</u>		
Driving Directions to the Property	<u>From HIGH SPRINGS lake Hwy 29 to Ft White J-R</u> <u>on Hwy 47 Go Passed Bethany Farms Turn Left on Grassy Lane</u> <u>Go 1 mile to end. Property is At End of Road.</u>		
Lot Size	_____	Total Acreage	<u>20</u> Building across lot numbers _____
Actual Distance of Structure from Property Lines - Front/Road	<u>510</u>	Left Side	<u>560</u> Right Side <u>670</u> Rear <u>72</u>
Number of Stories	<u>1</u>	Heated Floor Area	<u>270</u> Total Floor Area <u>270</u> Roof Pitch <u>6/12</u>
Circle the correct power company -	FL Power & Light - <u>Clay Elec</u> - Suwannee Valley Elec. Progress Energy - Slash Pine Electric		
Do you currently have an	<u>Existing Drive</u> or Private Drive or need a Culvert Permit or Culvert Waiver		
	(Currently using)	(Blue Road Sign)	(Putting in a Culvert) (No Culvert but do not need a Culvert)

Both Pages Must be Submitted to obtain a Building Permit.

Revised 12-30-08

left message
7/10/09



TIME LIMITATIONS OF APPLICATIONS: 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.

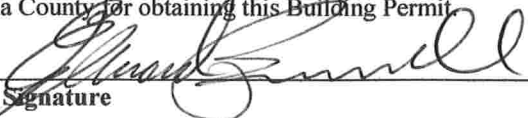
TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit 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.

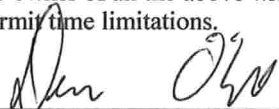
NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED: as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to 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 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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

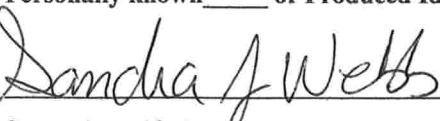

Owners Signature

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.

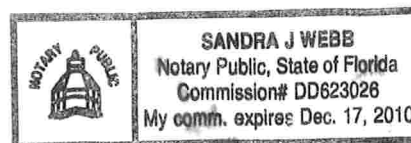

Contractor's Signature (Permitee)

Contractor's License Number CGC 061581
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7th day of July 2009
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:

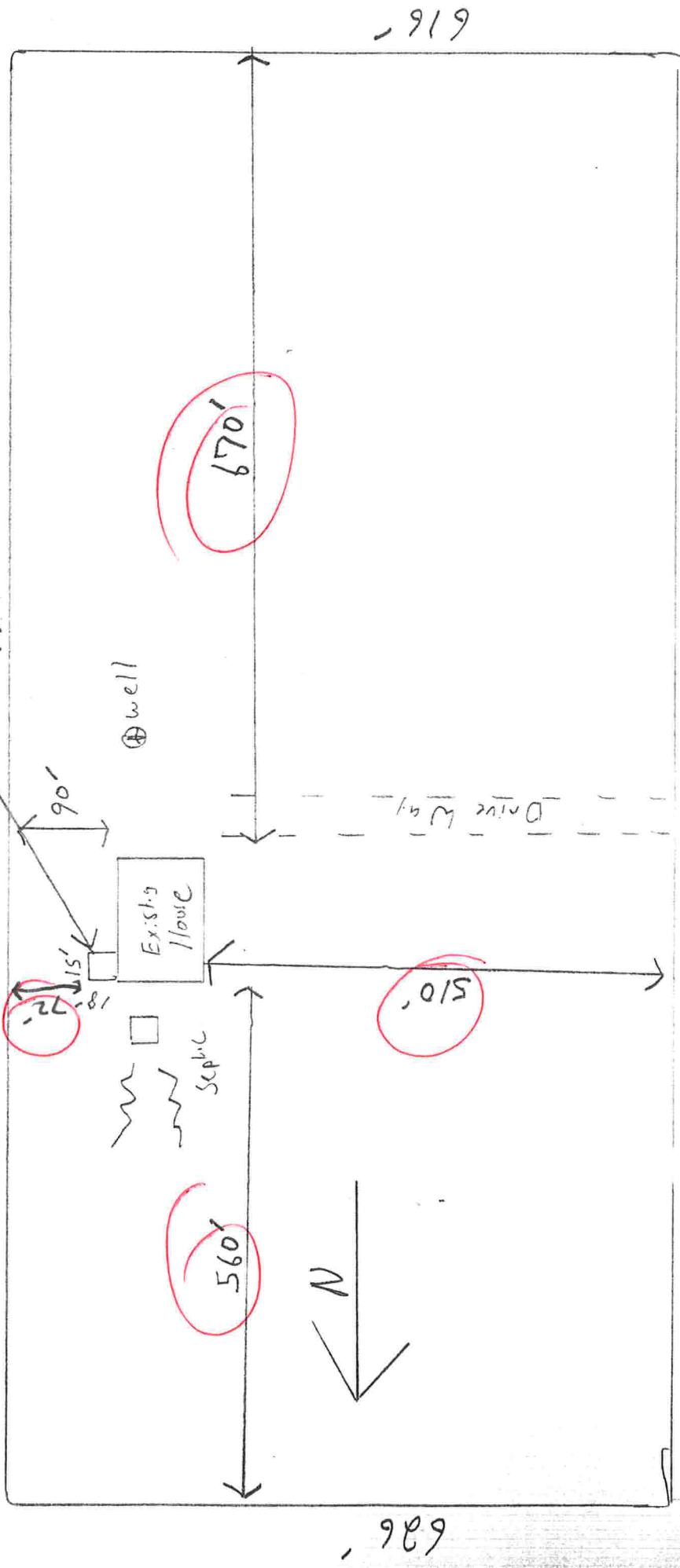


Site Plan

Lot 13 x 14

New addition

1292'



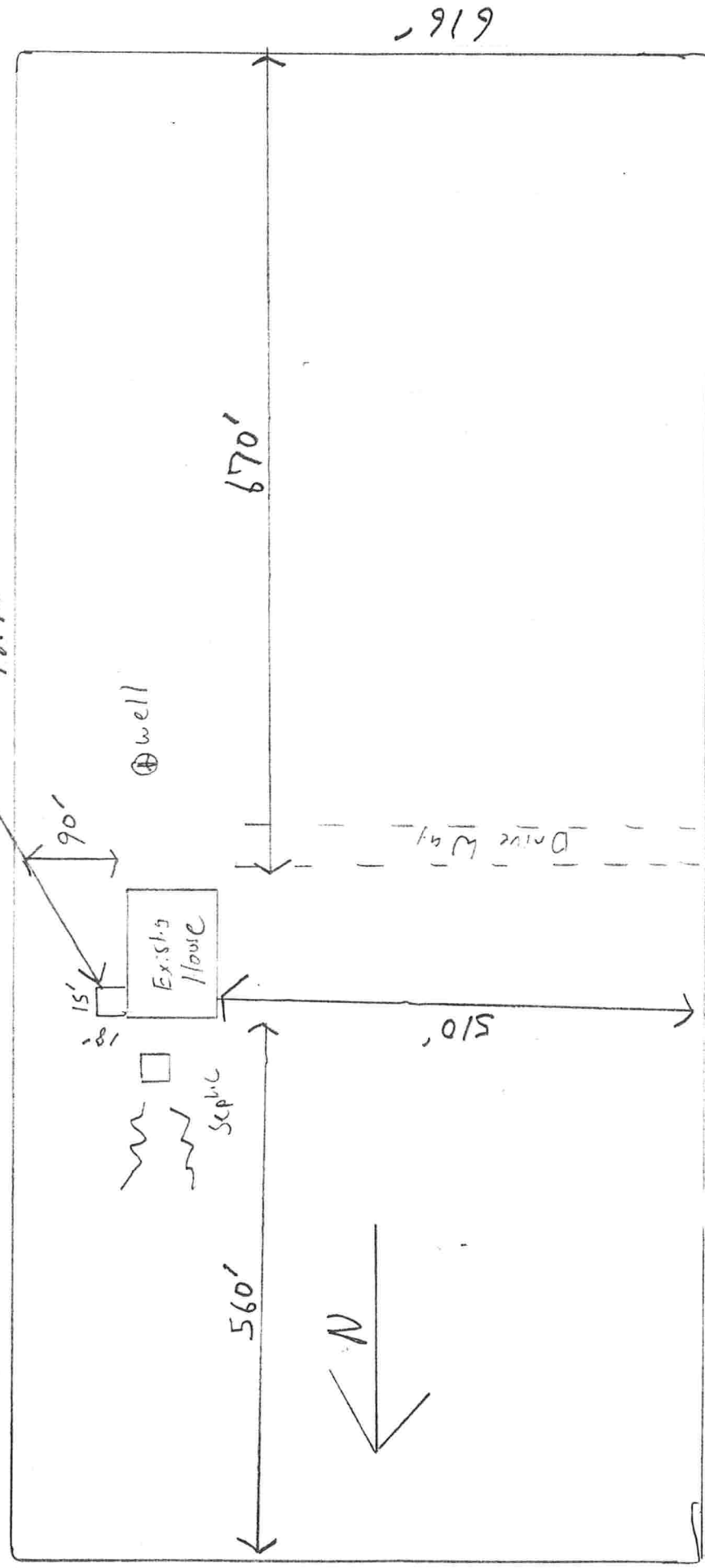
1002 SW Grassy Ln
Ft. White FL 32038

Parcel 10-65-16-03814-113HX
Bunnell Edward D & M Kyle

Site Plan Lot 13 & 14

New addition

1292'



1287'

1002 SW Grassy Ln
 Ft. White FL 32038

Parcel 10-65-16-03814-113HX

Bunnell Edward D & M Kyle

Documentary Stamp 409.50
Intangible Tax
P. DeWitt Cason
Clerk of Court
By del D.C.

Recording Fees: \$ _____
Documentary Stamps: + _____
Total: \$ _____

Prepared By And Return To
SOUTHEAST TITLE GROUP, LLP

Address: 2015 So. First Street
Lakeland, FL 32058

SE File #99Y-02041KW/KIM WATSON
Property Appraisers Parcel I.D. Number(s):
Grantee(s) S.S.#(s): [REDACTED]

99-03597

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL

1999 MAR -3 PM 4:13

RECORDS RECEIVED
P. DeWitt Cason
CLERK OF COURT
BY del D.C.

WARRANTY DEED

THIS WARRANTY DEED made and executed the 26th day of February, 1999, by **GLENN FARMS, INC.**, a corporation existing under the laws of Florida, and having its principal place of business at P.O. BOX 66, FT. WHITE, FLORIDA 32038, hereinafter called the Grantor, to **EDWARD D. BUNNELL and M. KYLE BUNNELL, HIS WIFE**, whose post office address is: 1626 PALMWOOD DR., CLEARWATER, FL. 33756, hereinafter called the Grantee:

(Wherever used herein the terms "first party" and "second party" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

WITNESSETH: That the Grantor, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee all that certain land situate, lying and being in COLUMBIA County, State of Florida, viz:

SEE EXHIBIT "A" ATTACHED FOR FULL LEGAL DESCRIPTION

Subject to Restrictions, Reservations and Easements of Record.

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

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

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land, and hereby 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

IN WITNESS WHEREOF, the said Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto affixed, by its proper officers thereunto duly authorized, the day and year first above written.

Signed, sealed and delivered
in the presence of:

Bonita H. Hay
Witness Signature
Printed Name: Bonita Hay

Susan R. Sweet
Witness Signature
Printed Name: Susan R. Sweet

GLENN FARMS, INC.

BY: [Signature]
Vice President

Address: P.O. BOX 66
FT. WHITE, FLORIDA 32038

ATTEST: _____
Secretary

(CORPORATE SEAL)

BR 0875 Pg 1915
OFFICIAL RECORDS

STATE OF Va
COUNTY OF Columbia

I hereby certify that on this day, before me, an officer duly authorized in the state aforesaid and in the county aforesaid to take acknowledgements, personally appeared Joel Glenn and well known to me to be the VICE President and respectively of the corporation named as Grantor in the foregoing deed, who are personally known to me and who took an oath that they severally acknowledged executing the same in the presence of two subscribing witnesses freely and voluntarily under authority duly vested in them by said corporation, and that the seal affixed thereto is the true corporate seal of said corporation.

Witness my hand and official seal in the county and state aforesaid this 26th day of February, 1999.

Bonita Hadwin
Notary Public Sign Above
Print Name:
My Commission #:
My Commission expires:



BK 0875 Pg 1916
OFFICIAL RECORDS

EXHIBIT "A"

PARCEL 13

A PART OF THE S 1/2 OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE NE CORNER OF THE SE 1/4 OF THE SE 1/4 OF SAID SECTION 10 AND RUN THENCE S 88°43'47" W, A DISTANCE OF 691.15 FEET; THENCE S 00°22'55" W, A DISTANCE OF 661.88 FEET; THENCE N 88°37'18" E, A DISTANCE OF 81.00 FEET; THENCE N 81°52'29" E, A DISTANCE OF 626.25 FEET; THENCE N 00°32'31" W, A DISTANCE OF 586.75 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

PARCEL 14

A PART OF THE S 1/2 OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE SE CORNER OF THE SE 1/4 OF THE SE 1/4 OF SAID SECTION 10 AND RUN THENCE N 00°32'31" W, A DISTANCE OF 743.12 FEET; THENCE S 81°52'29" W, A DISTANCE OF 626.25 FEET; THENCE S 00°57'17" E, A DISTANCE OF 666.81 FEET; THENCE N 88°52'16" E, A DISTANCE OF 616.00 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AND SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS. A PART OF THE SOUTH 1/2 OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SW CORNER OF SAID SECTION 10 AND RUN THENCE N 88°52'16" E, ALONG THE SOUTH LINE OF SAID SECTION 10, A DISTANCE OF 46.86 FEET TO THE EAST RIGHT-OF-WAY OF STATE ROAD NO. 47; THENCE N 00°20'30" W, ALONG SAID EAST RIGHT-OF-WAY 627.05 FEET TO THE POINT OF BEGINNING; THENCE N 00°02'30" W, STILL ALONG SAID RIGHT-OF-WAY A DISTANCE OF 60.00 FEET; THENCE N 88°53'29" E, A DISTANCE OF 629.67 FEET; THENCE N 00°24'41" W, A DISTANCE OF 681.60 FEET; THENCE N 88°53'26" E, A DISTANCE OF 60.00 FEET; THENCE S 00°24'41" W, A DISTANCE OF 681.60 FEET; THENCE N 88°53'29" E, A DISTANCE OF 629.35 FEET; THENCE N 88°58'12" E, 650.99 FEET; THENCE N 01°01'48" W, A DISTANCE OF 589.75 FEET; THENCE S 87°47'54" W, A DISTANCE OF 36.83 FEET; THENCE N 00°25'25" W, A DISTANCE OF 739.98 FEET; THENCE N 88°25'30" E, A DISTANCE OF 60.01 FEET; THENCE S 00°25'25" E, A DISTANCE OF 679.29 FEET; THENCE N 87°47'54" E, A DISTANCE OF 36.18 FEET; THENCE S 01°01'48" E, A DISTANCE OF 650.81 FEET; THENCE N 88°37'18" E, A DISTANCE OF 2603.18 FEET; THENCE S 00°17'09" E, A DISTANCE OF 60.01 FEET; THENCE S 88°37'18" W, A DISTANCE OF 2632.46 FEET; THENCE S 88°58'12" W, 681.09 FEET; THENCE S 88°53'29" W, 1319.83 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

Subject to: That certain Mortgage from Glenn Farms, Inc. to Capital City Bank, dated March 17, 1998, filed March 18, 1998, in O.R. Book 855, page 601. Termination of Financial Statement in O.R. Book 855, page 619.

Subject to: Restrictions as recorded in O.R. Book 867, page 1096.

Subject to: Easement as recorded in O.R. Book 867, page 1108. (Columbia Southfork)

Subject to: Easement granted to Clay Electric in O.R. Book 859, page 213.

BK 0875 Pg 1917
OFFICIAL RECORDS

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 10-6S-16-03814-113 HX

Search Result: 1 of 2

Next >>

Owner & Property Info

Owner's Name	BUNNELL EDWARD D & M KYLE		
Site Address	GRASSY		
Mailing Address	1002 SW GRASSY LN FT WHITE, FL 32038		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	010616.02	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	20.020 ACRES		
Description	BEG NE COR OF SE1/4 OF SE1/4, RUN W 691.15 FT, S 661.88 FT, E 81 FT, CONT E 626.25 FT, N 586.75 FT TO POB. (AKA LOT 13 SOUTHFORK S/D UNREC) & ALSO BEG SE COR OF SE1/4 OF SE1/4, RUN N 743.12 FT, W 626.25 FT, S 666.81 FT, E 616 FT TO POB. (AKA LOT 14 SOUTHFORK S/D UNR) ORB 875-1919,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$100,580.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$85,941.00
XFOB Value	cnt: (4)	\$56,712.00
Total Appraised Value		\$243,233.00

Just Value	\$243,233.00
Class Value	\$0.00
Assessed Value	\$224,565.00
Exemptions	(code: HX) \$50,000.00
Total Taxable Value	County: \$174,565.00 City: \$174,565.00 Other: \$174,565.00 School: \$199,565.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/26/1999	875/1915	WD	V	Q		\$58,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2004	CB Stucco (17)	1643	2051	\$85,941.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	2004	\$1,600.00	0000001.000	0 x 0 x 0	(000.00)
0040	BARN,POLE	2004	\$12,312.00	0002736.000	38 x 72 x 0	(000.00)
0060	CARPORT F	2006	\$3,600.00	0000720.000	24 x 30 x 0	(000.00)
0030	BARN,MT	2006	\$39,200.00	0002800.000	40 x 70 x 0	(000.00)

Land Breakdown

0907-09

NOTICE OF COMMENCEMENT

Inst 200912011222 Date: 7/7/2009 Time 2:08 PM
 X-4 DC P DeWitt Cason, Columbia County Page 1 of 1 B.1176 P.1621
 County Clerk's Office

Tax Parcel Identification Number 10-65-16-03814-113 HX

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): LOT 14 SOUTH FORK S/D UNR ORD 875-1919
 a) Street (job) Address: 1002 SW Grassy LN Ft. White FL
2. General description of improvements: ROOM ADDITION
3. Owner Information
 a) Name and address: EDWARD BUNNELL
 b) Name and address of fee simple titleholder (if other than owner) SAME
 c) Interest in property OWNER
4. Contractor Information
 a) Name and address: ONEIL CONSTRUCTION OF HIGHLAND SPRINGS INC.
 b) Telephone No.: 386 454 2476 Fax No. (Opt.) 386 454 4244
5. Surety Information
 a) Name and address: N/A
 b) Amount of Bond: _____
 c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
 a) Name and address: N/A
 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: EDWARD BUNNELL
 b) Telephone No.: 497 3078 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(1)(b), Florida Statutes:
 a) Name and address: ONEIL CONSTRUCTION P.O. Box 1633 HIGHLAND SPRINGS
 b) Telephone No.: 386 454 2476 Fax No. (Opt.) 386-454-4244
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. Dennis Oneil
 Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
DENNIS ONEIL / ONEIL CONSTRUCTION
 Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 25 day of June, 20 09, by:
Edward D. Bunnell as _____ (type of authority, e.g. officer, trustee, attorney
 fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ☒ Type B540-224-68-253-0

Notary Signature Ann M. Raulerson Notary Stamp or Seal:



ANN MARIE RAULERSON
 Commission DD 645666
 Expires July 5, 2010
 Bonded Thru Troy Fain Insurance 800-385-7019

--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.

Edward D. Bunnell
 Signature of Natural Person Signing (in line #10 above.)

0907-09

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

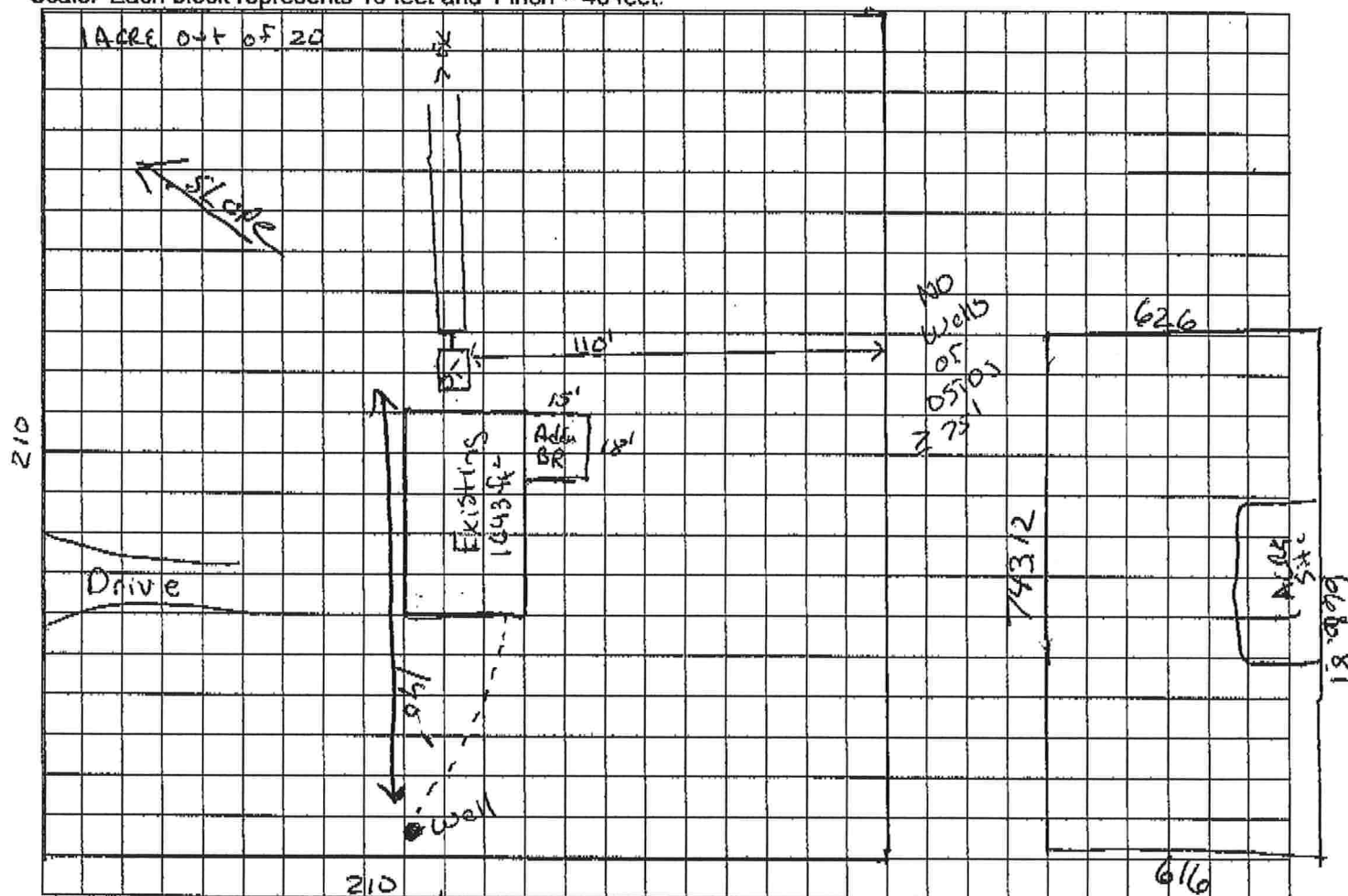
Bursell

Permit Application Number

09-0378M

----- PART II - SITEPLAN -----

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes:

Site Plan submitted by:

Dan OMA

Agent

Plan Approved ☒Not Approved ☐

Date

By

Haul & Land

Columbus

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY INSPECTION SHEET

DATE 10/19/2009 TAKEN BY SL

INSPECTION DATE: 10.19.09 7.14
10-21-09

BUILDING PERMIT # 000027941 CULVERT / WAIVER PERMIT # _____ WAIVER _____

PARCEL ID # 10-6S-16-03814-113 ZONING A-3

TYPE OF DEVELOPMENT SFD ADDITION

SETBACKS: FRONT 30.00 REAR 25.00 SIDE 25.00 HEIGHT _____

FLOOD ZONE X SEPTIC 09-378 NO. EXISTING D.U. 1

SUBDIVISION SOUTH FORK Lot 14 Block _____ Unit 0 Phase _____

OWNER EDWARD & KYLE BUNNELL PHONE 386 462-7006

ADDRESS 1002 SW GRASSY LANE FT. WHITE FL 32038

CONTRACTOR DENNIS O'NEIL PHONE 454-2476

LOCATION 47S, TL ON GRASSY LANE, TO THE END

COMMENTS: NOC ON FILE

INSPECTION(S) REQUESTED:

☐ Temp Power ☐ Foundation ☐ Set backs

☐ Mono Slab 07/21/2009 HD ☐ Under Slab Rough-in ☐ Slab

☐ Sheathing/Nailing 08/07/2009 WR ☐ Insulation 08/24/2009 HD ☐ Framing 08/24/2009 HD

☐ Above slab Rough-in ☐ Electrical Rough-in 08/24/2009 HD

☐ Heat & A/C 08/24/2009 HD ☐ Beam (Lintel) 07/29/2009 HD ☒ Perm Power

☒ CO Final OK ☐ Culvert ☐ Reconnection

☐ Pool ☐ MH Perm Power ☐ Utility Pole

☐ RV Power ☐ Re-Roof ☐ Other

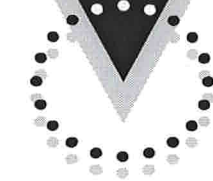
INSPECTORS:

APPROVED ☒ NOT APPROVED _____ BY 303 POWER CO. CLAY

INSPECTORS COMMENTS: LOCKED OK. 2nd visit

Left message
10/22/09

E



Prepared for:

O'NEIL CONSTRUCTION
THE BUNNELL ADDITION
COLUMBIA COUNTY FLORIDA



By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

NO COPIES ARE TO BE PERMITTED

SCHAFFER ENGINEERING, LLC

June 25, 2009

SUMMARY: Wind Load Analysis for O'Neal Construction \ The Bunnell Bedroom Addition
Wind Speed: 110 M.P.H. \ No Copies Permitted \ 2007 FBC \ Designed For One Use Only

Foundation:

20" wide x 10" deep stemwall footing with (2) #5 rebar continuous minimum. CMU walls must have #5 dowels at 72" o.c. maximum with a standard 90 degree ACI hook in footing and a 4" slab on grade. Monolithic slab to be 12" wide x 20" deep minimum with (2) #5 rebar continuous with 12" minimum coverage on face of foundation. It is assumed that ideal soil conditions and pad preparation are provided.

Walls:

8" CMU block with vertical #5 reinforcing bar in fully grouted cells at 72" o.c. maximum spacing. Wall heights are 8' maximum. Provide an 8" x 8" bond beam with 1-#5 rebar horizontal continuous at the top course. Install pre-cast, pre-engineered lintels or pre-engineered steel lintels spanning over all openings. One #5 rebar each corner. One #5 rebar each side of door and window openings. Two #5 rebar in openings wider than 12'-0". One #5 rebar where girders or girder trusses bear on masonry wall.

Shearwalls:

Transverse: 15'-0" Allowable pounds per foot unit shear on shearwalls: 314 plf
Longitudinal: 23'-0" Unit shear transferred from diaphragm: Trs 146 plf Long: 83 plf

Trusses:

Pre-engineered Pre-fabricated trusses with the bracing system designed by the manufacturer. Trusses must be installed and anchored according to the truss engineering requirements.

Roof Sheathing:

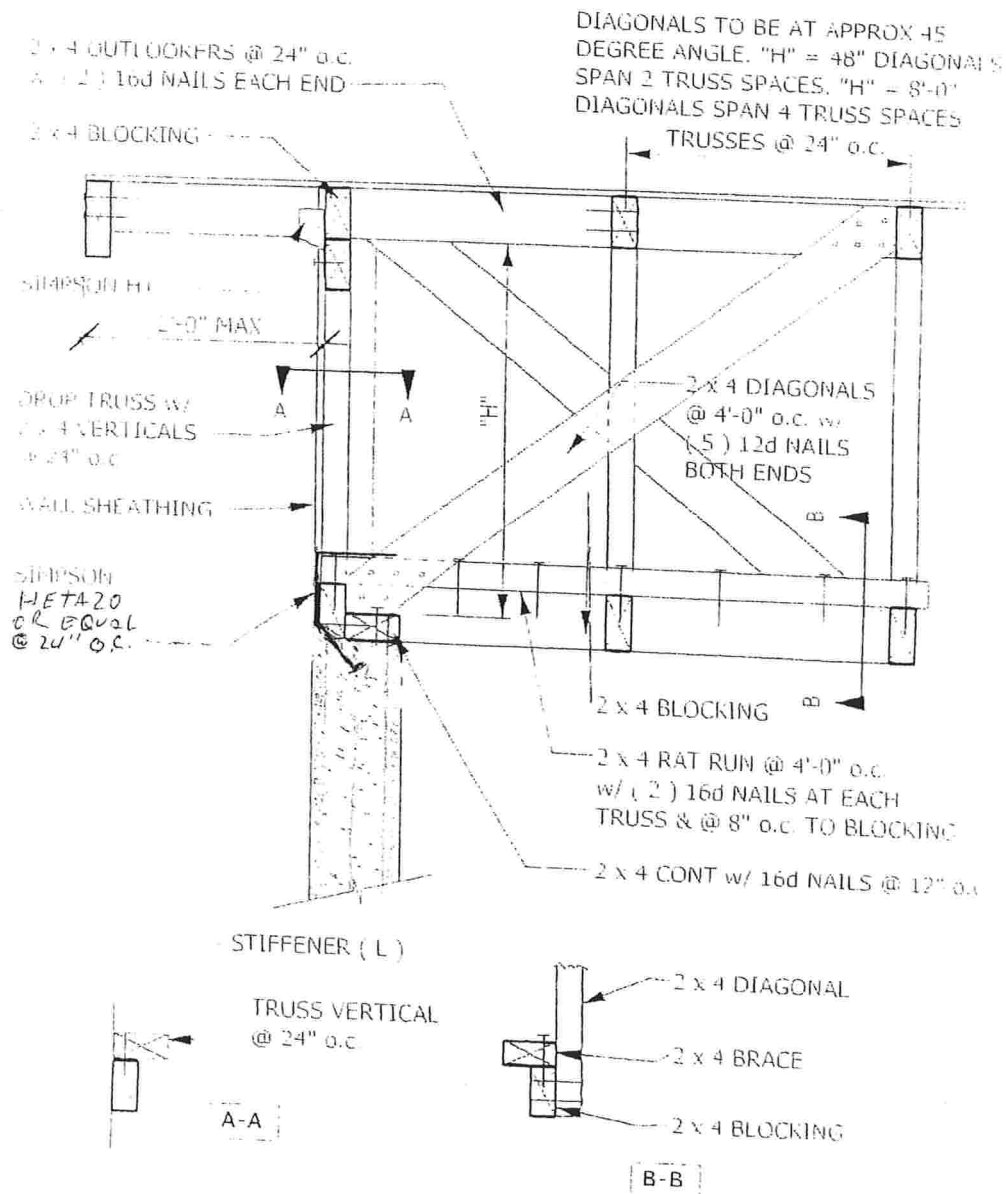
7/16" osb minimum attached to the top chords of the trusses with 8d/113 gauge ring shank nails spaced at 4" o.c. edges and 6" interior.


6-25-09

Bruce Schafer P. E. #48984
7104 N. W. 42nd Lane \ Gainesville, Florida 32606

SCHAFER ENGINEERING, LLC

7104 N. W. 42ND LANE
GAINESVILLE, FLORIDA 32606



TYPICAL GABLE END BRACING

[Signature]
6-25-09

48984
7104 NW 42nd Ln
Gainesville, FL

ASCE 7-05

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Gabled	
Eave Height (Eht)	8.00	ft
Ridge Height (RHt)	12.75	ft
Mean Roof Height (Ht)	10.88	ft
Width Perp. to Wind (B)	15.00	ft
Width Parallel to Wind (L)	18.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.73
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
lzm	$Cc * (33/z)^{0.167}$	0.3048	
Lzm	$l * (zm/33)^{Epsilon}$	309.99	ft
Q	$(1/(1+0.63*((B+Ht)/Lzm)^{0.63}))^{0.5}$	0.9400	
Gust2	$0.925 * ((1+1.7 * lzm * 3.4 * Q)/(1+1.7 * 3.4 * lzm))$	0.8896	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	$V * (5280/3600)$	161.33	ft/s
Vzm	$bm * (zm/33)^{Am} * Vhref$	70.89	ft/s
NF1	$NatFreq * Lzm / Vzm$	4.37	Hz
Rn	$(7.47 * NF1) / (1 + 10.302 * NF1)^{1.667}$	0.0552	
Nh	$4.6 * NatFreq * Ht / Vzm$	0.71	
Nb	$4.6 * NatFreq * B / Vzm$	0.97	
Nd	$15.4 * NatFreq * Depth / Vzm$	3.91	
Rh	$1 / Nh - (1 / (2 * Nh^2) * (1 - Exp(-2 * Nh)))$	0.6577	
Rb	$1 / Nb - (1 / (2 * Nb^2) * (1 - Exp(-2 * Nb)))$	0.5750	
Rd	$1 / Nd - (1 / (2 * Nd^2) * (1 - Exp(-2 * Nd)))$	0.2231	
RR	$((1/Beta) * Rn * Rh * Rb * (0.53 + 0.47 * Rd))^{0.5}$	1.1509	
gg	$+(2 * LN(3600 * n1))^{0.5} + 0.577 / (2 * LN(3600 * n1))^{0.5}$	4.19	
Gust3	$0.925 * ((1 + 1.7 * lzm * (3.4^2 * Q^2 + GG^2 * RR^2)^{0.5}) / (1 + 1.7 * 3.4 * lzm))$	1.34	

Gust Factor Summary			
Main Wind-force resisting system:		Components and Cladding:	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.89	Gust Factor (G)	0.89

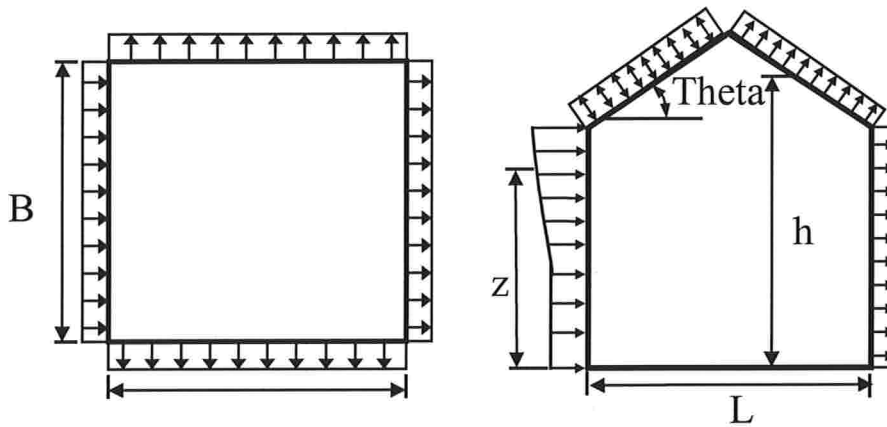
ASCE 7-05

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd	qz lb/ft ²	Pressure (lb/ft ²)	
					Windward Wall*	
					+GCpi	-GCpi
15	0.70	1.00	1.00	21.70	12.24	18.65

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/z_g)^{2/\alpha}$	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	17.80	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 15 ft wall)	-0.46	-10.49	-4.08
Leeward Walls (Wind Dir Parallel to 18 ft wall)	-0.50	-11.12	-4.71
Side Walls	-0.70	-14.29	-7.88
Roof - Normal to Ridge (Theta ≥ 10)			
Windward - Max Negative	-0.30	-8.00	-1.60
Windward - Max Positive	0.17	-0.49	5.92
Leeward Normal to Ridge	-0.60	-12.71	-6.30
Overhang Top	-0.30	-4.80	-4.80
Overhang Bottom	0.80	0.71	0.71
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 5.44 ft	-0.98	-18.78	-12.37
Dist from Windward Edge: 5.44 ft to 10.88 ft	-0.86	-16.80	-10.39
Dist from Windward Edge: 10.88 ft to 21.76 ft	-0.54	-11.78	-5.38
	0.00	0.00	0.00

ASCE 7-05

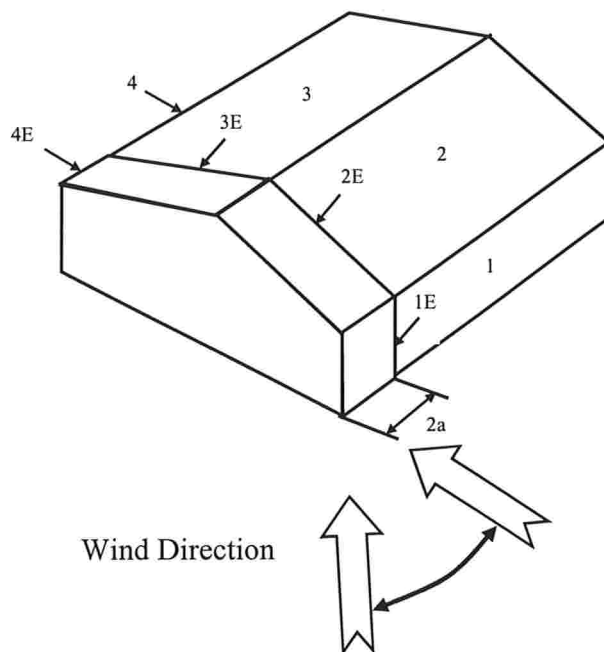
* Horizontal distance from windward edge

Figure 6-4 - External Pressure Coefficients, GC_{pf} Loads on Main Wind-Force Resisting Systems w/ $H_t \leq 60$ ft

$$\begin{aligned}
 K_h &= 2.01 \cdot (15/z_g)^{(2/\alpha)} &= & 0.57 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 17.80
 \end{aligned}$$

Case A						
Surface	GC_{pf}	$+GC_{pi}$	$-GC_{pi}$	q_h (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

$$* p = q_h * (GC_{pf} - GC_{pi})$$



ASCE 7-05

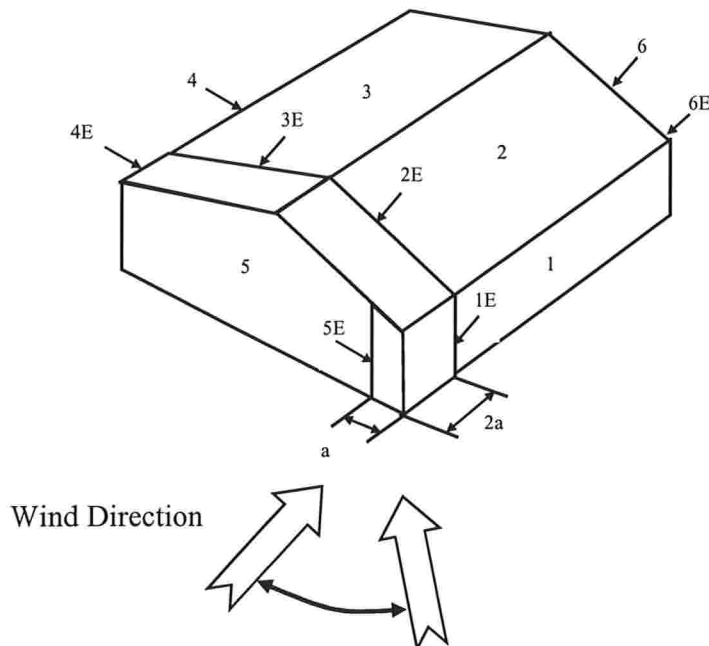
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht ≤ 60 ft

$$\begin{aligned}
 K_h &= 2.01 \cdot (15/z_g)^{(2/\alpha)} &= & 0.57 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 17.80
 \end{aligned}$$

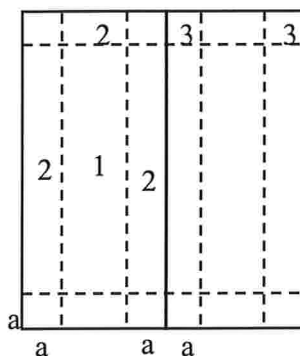
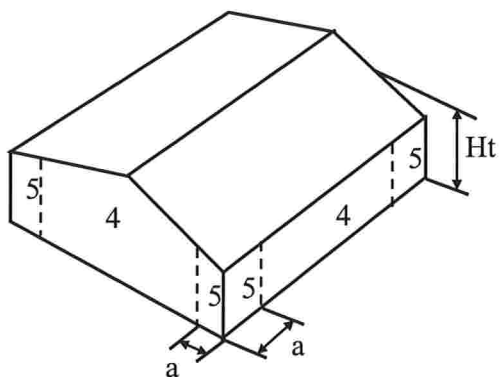
Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

$$* p = q_h * (GC_{pf} - GC_{pi})$$

**Figure 6-5 - External Pressure Coefficients, GCp**

Loads on Components and Cladding for Buildings w/ Ht ≤ 60 ft

ASCE 7-05



Gabled Roof
 $10 < \text{Theta} \leq 45$

$$a = 1.5 \implies \boxed{3.00 \text{ ft}}$$
[illegible]

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, C_{pi}

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00

ASCE 7-05

Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	0.18	-0.18

Table 6-8 External Pressure Coefficients for Arched Roofs, C_p

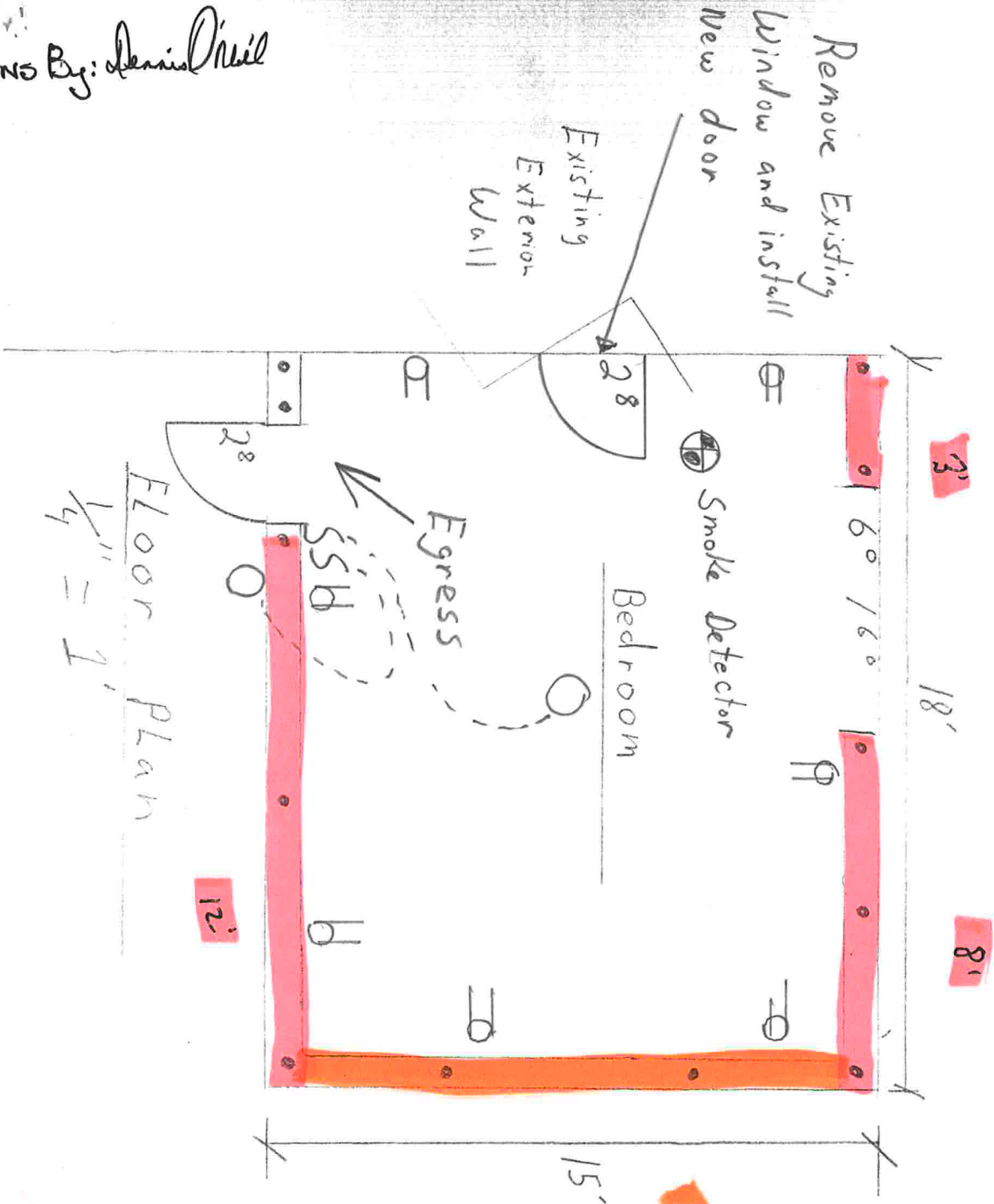
r (Rise-to-Span Ratio) = 0.3

Condition	Variable	C_p		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	C_p	0.13	-1	-0.5
	P (+GCpi) - psf	-1.22	-19.04	-11.12
	P (-GCpi) - psf	5.18	-12.63	-4.71
Roof Springing from Ground	C_p	0.42	-1	-0.5
	P (+GCpi) - psf	3.45	-19.04	-11.12
	P (-GCpi) - psf	3.45	-19.04	-11.12

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, C_f

Variable	Description	Value	
L	Roof dimension normal to wind direction	18.00	ft
B	Roof dimension parallel to wind direction	15.00	ft
L/B	Ratio of L to B	1.200	
Theta	Slope of Roof	26.6	Deg
C_f	Force Coefficient	1.16	
X	Distance to center of pressure from windward edge	0.41	ft

Plans By: Dennis O'Neil



Note: All outlets AFCEI

Note: Tie Electric into Existing 200 AMP Panel

15'

125 - 15'

16NG - 23'

270 Sq. Ft.

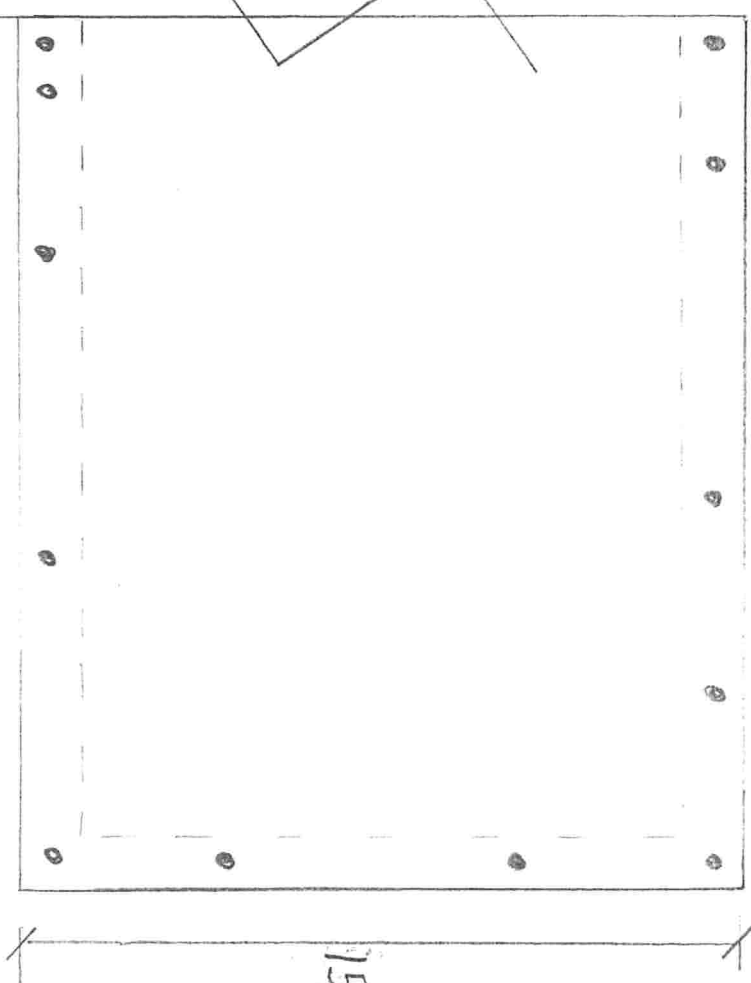
Bunnell Addition

Sheet 1

ONEIL CONSULTANTS

Existing
Exterior
Wall

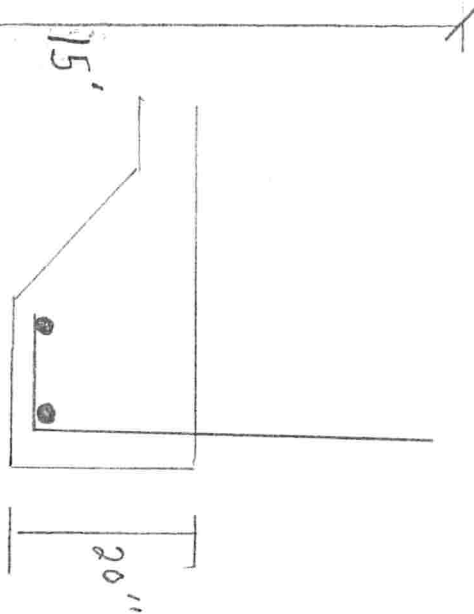
18'



Foundation Plan

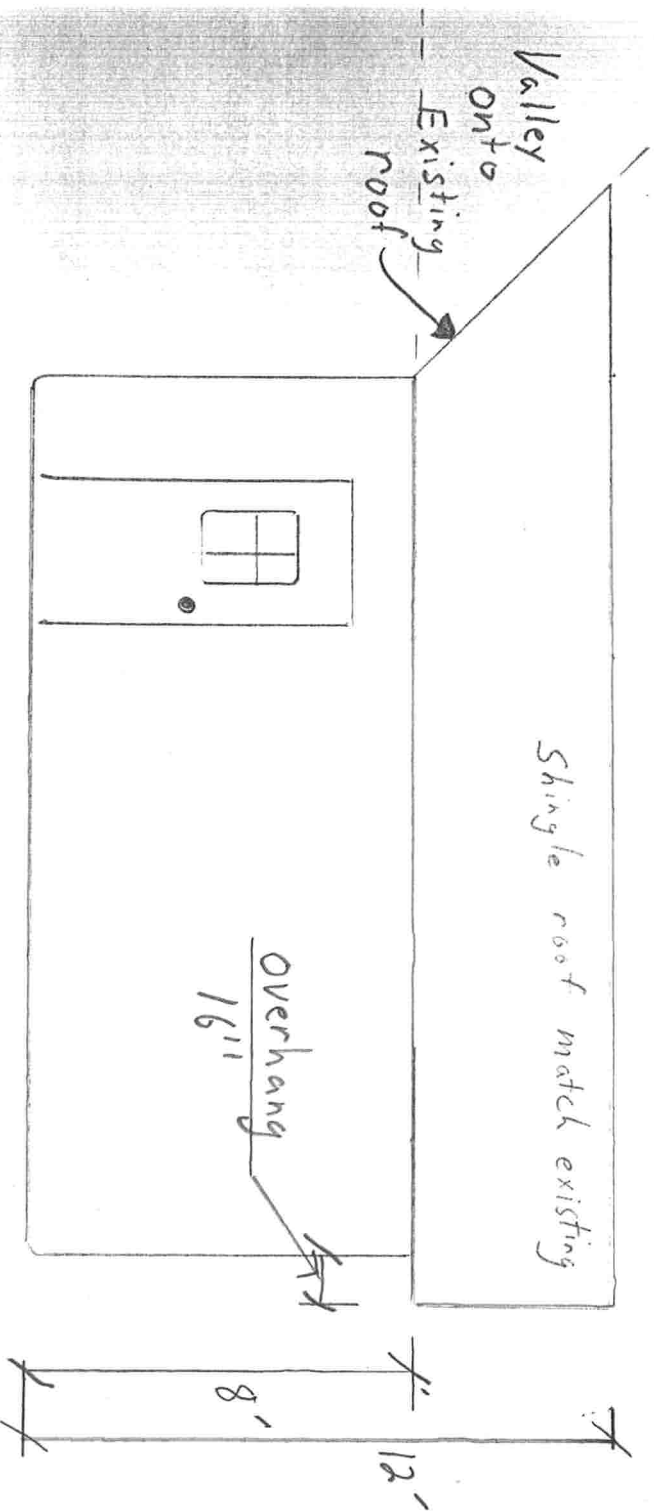
$\frac{1}{4}" = 1'$

Note: Pretreat Soil for
termites



Footer Detail

Bunell Addition
Sheet 2

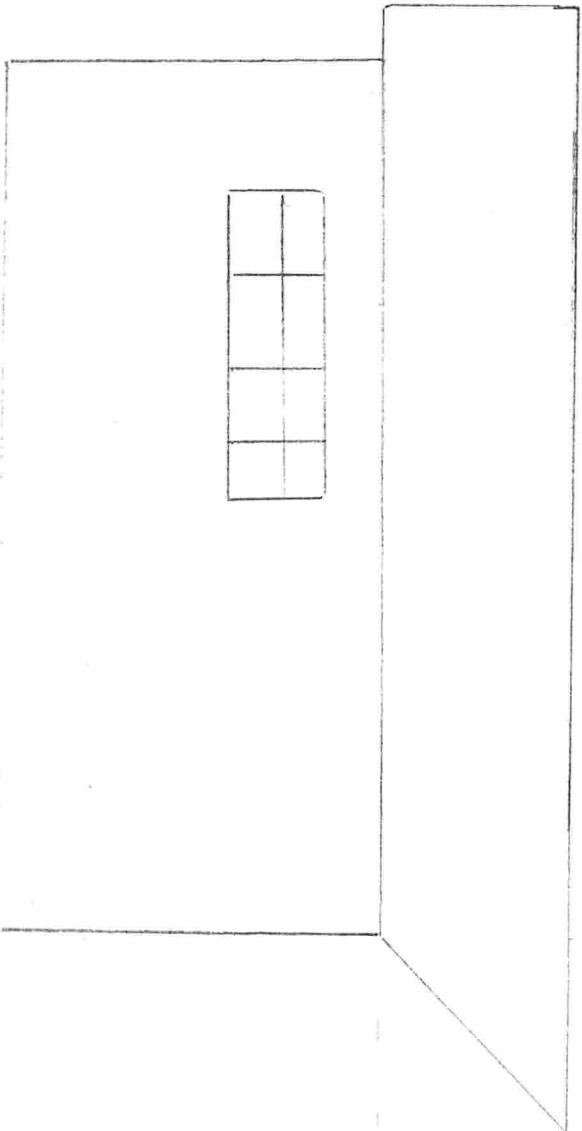


Front Elevation

$\frac{1}{4}" = 1'$

Bunnell Addition

Sheet 3



Valley
onto
Existing Roof

Rear Elevation

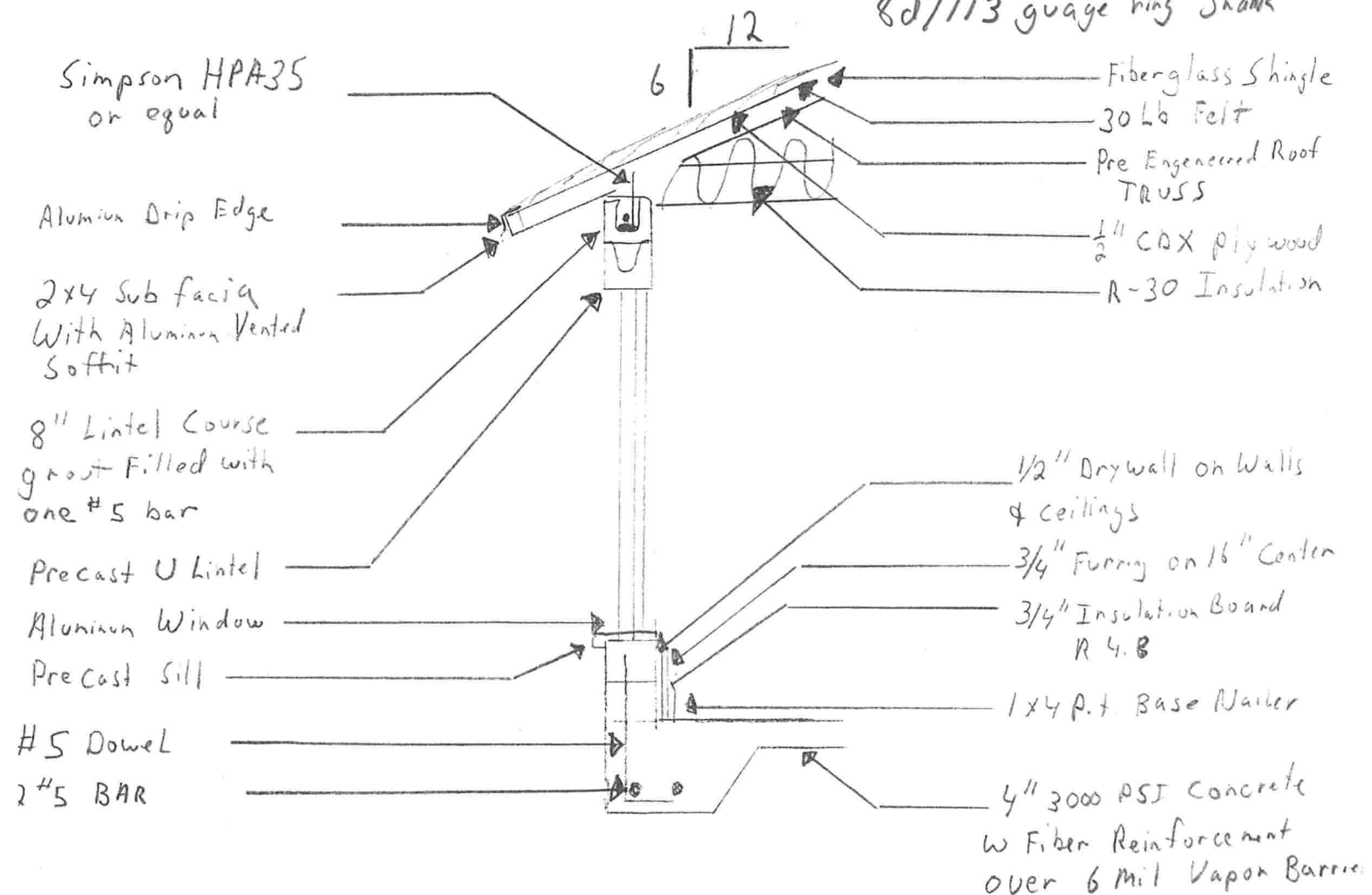
$\frac{1}{4}'' = 1'$

Bunnell Addition

Sheet 4

Note: Fire blocking to cut off all
Vertical & Horizontal Draft openings

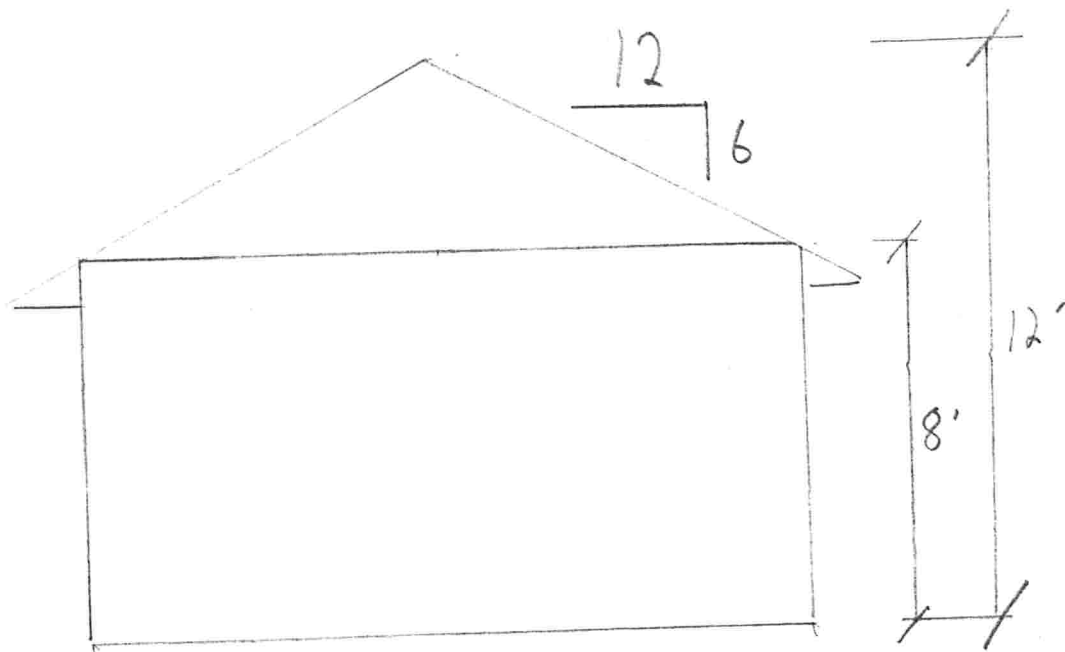
Note: Roof Sheeting Nail @ 4" O.C.
edge and 6" interior
8d/113 gauge ring shank



Typical Wall Section

Bunnell Addition
Sheet 5

Note: Left Elevation is Existing House



Right Elevation

$\frac{1}{4}'' = 1'$

Bunnell Addition

Sheet 6

Julius Lee Engineering

RE: 308847 - ONEIL CONST. - BUNNELL ADDITION

**1109 Coastal Bay Blvd.
Boynton Beach, FL 33435**

Site Information:

Project Customer: O'NEIL CONST. Project Name: 308847 Model: BUNNELL ADDITION
Lot/Block: Subdivision:
Address: 1002 SW GRASSY LANE
City: COLUMBIA CTY State: FL

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

Name: O'NEIL CONST. License #: QB0010656
Address: 235 NE 2ND ST
City: HIGH SPRINGS, State: FL

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

Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.1
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 2 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.

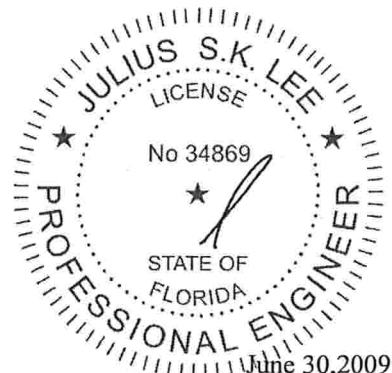
No.	Seal#	Truss Name	Date
1	I4047618	T01	6/30/09
2	I4047619	T01G	6/30/09

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 (Lake City).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is

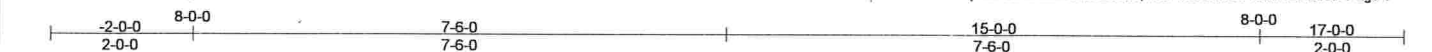
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



Job	Truss	Truss Type	Qty	Ply	ONEIL CONST. - BUNNELL ADDITION	14047618
308347	T01	COMMON	9	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055

7.130 s Apr 28 2009 MiTek Industries, Inc. Tue Jun 30 15:17:20 2009 Page 1



Scale = 1:31.2

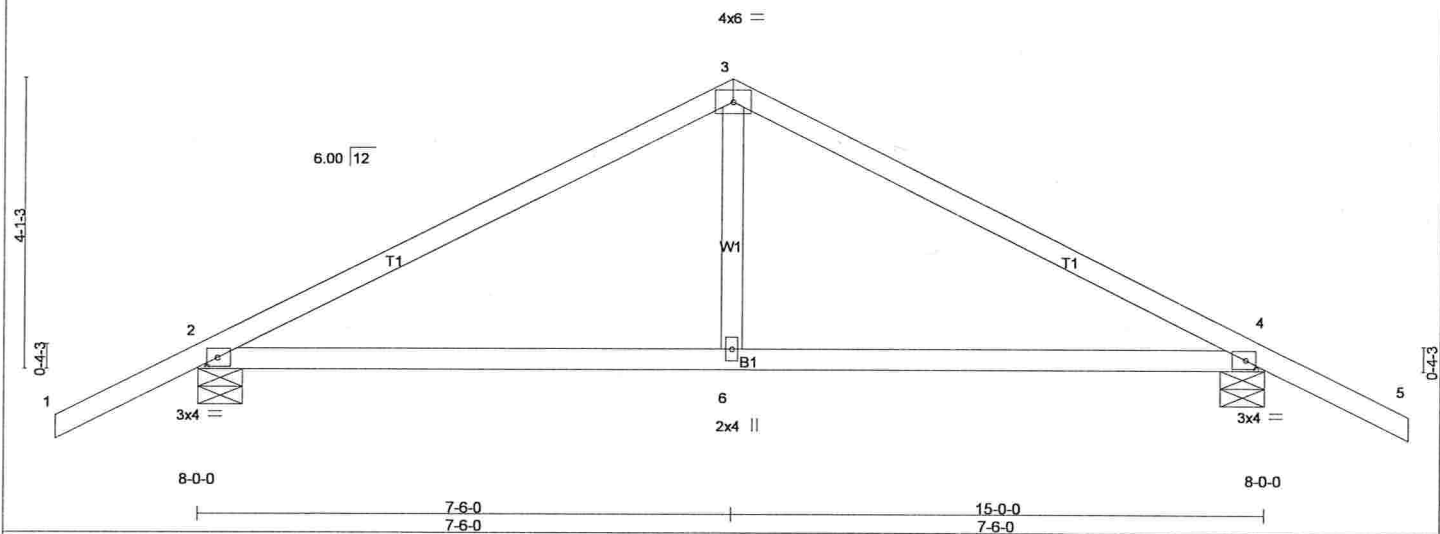


Plate Offsets (X,Y): [2:0-1-12,0-1-8], [4:0-1-12,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.42	Vert(LL)	-0.05	2-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.11	2-6	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.04	2-6	>999	240		Weight: 59 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
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=585/0-1-8 (input: 0-7-8), 4=585/0-1-8 (input: 0-7-8)
Max Horz 2=101(LC 6)
Max Uplift 2=291(LC 6), 4=291(LC 7)

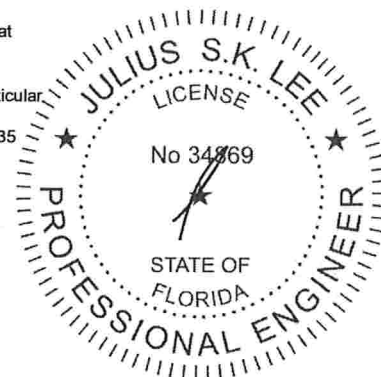
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=610/392, 3-4=610/392
BOT CHORD 2-6=99/457, 4-6=99/457
WEBS 3-6=0/257

NOTES (8-9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 291 lb uplift at joint 2 and 291 lb uplift at joint 4.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 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.
- 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



June 30, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BC511 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 308347	Truss T01G	Truss Type GABLE	Qty 1	Ply 1	ONEIL CONST. - BUNNELL ADDITION Job Reference (optional)	14047619
Builders FrstSource, Lake City, FL 32055			7.130 s Apr 28 2009 MiTek Industries, Inc. Tue Jun 30 15:17:21 2009 Page 1			

Scale = 1:31.2

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.54	Vert(LL)	-0.04	11	n/r	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL)	-0.07	11	n/r		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.07	Horz(TL)	0.00	10	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)						

Weight: 75 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
OTHERS 2 X 4 SYP No.3	

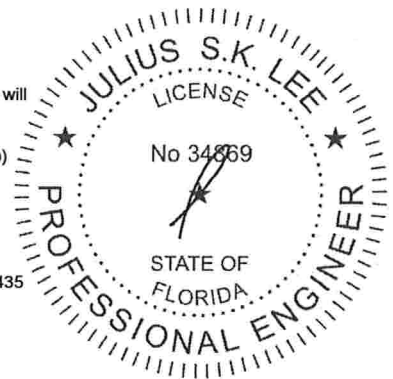
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 15'-0".
 (lb) - Max Horz 2=108(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 14 except 2=428(LC 6), 10=446(LC 7), 15=217(LC 6), 16=188(LC 6), 13=215(LC 7), 12=194(LC 7)
 Max Grav All reactions 250 lb or less at joint(s) 14 except 2=498(LC 1), 10=498(LC 1), 15=252(LC 10), 16=299(LC 1), 13=252(LC 11), 12=299(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-15=235/260, 4-16=271/259, 7-13=235/260, 8-12=271/259

NOTES (13-14)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 1-2002.
 4) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 2'-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" tall by 2'-0" wide will fit between the bottom chord and any other members.
 9) All bearings are assumed to be SYP No.2.
 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (it=lb) 2=428, 10=446, 15=217, 16=188, 13=215, 12=194.
 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 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.
 14) 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



June 30, 2009

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	ONEIL CONST. - BUNNELL ADDITION	I4047619
305847	T01G	GABLE	1	1	Job Reference (optional)	

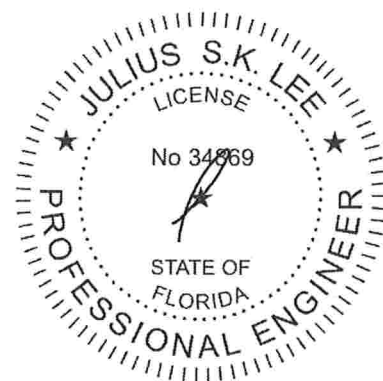
Builders FrstSource, Lake City, FL 32055

7.130 s Apr 28 2009 MiTek Industries, Inc. Tue Jun 30 15:17:22 2009 Page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-6=-114(F=-60), 6-11=-114(F=-60), 2-10=-10



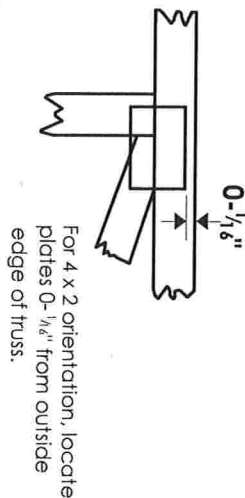
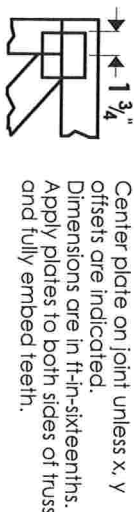
June 30,2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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 Boynton, FL 33435

Symbols

PLATE LOCATION AND ORIENTATION



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

PLATE SIZE

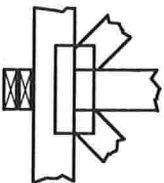
4 X 4

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

LATERAL BRACING LOCATION



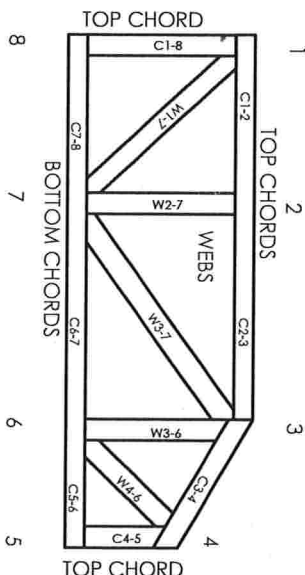
BEARING



Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: 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, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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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 BCS11.
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/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
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/TP1 Quality Criteria.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435



**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS**

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007
ONE (1) AND TWO (2) FAMILY DWELLINGS**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. 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 FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

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.) 290	Total (Sq. Ft.) under roof 270			

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 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	IIIII	IIII	IIIII
		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/m ²), to be used for the design of exterior component, cladding materials not specifiically 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	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed			✓
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)			✓

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 plan (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
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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.			✓
32	Assumed load-bearing value of soil <u>2000</u> Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

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 320: 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	✓		
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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	✓		
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 piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
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			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	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 309			✓
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 FBCR 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 FBCR Table 502.5 (1)			
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 802.10 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 Table 602,3(2) & 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	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	<input checked="" type="checkbox"/>		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	<input checked="" type="checkbox"/>		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

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	<input checked="" type="checkbox"/>		
74	Attic space	<input checked="" type="checkbox"/>		
75	Exterior wall cavity	<input checked="" type="checkbox"/>		
76	Crawl space			<input checked="" type="checkbox"/>

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study			<input checked="" type="checkbox"/>
78	Exhaust fans locations in bathrooms			<input checked="" type="checkbox"/>
79	Show clothes dryer route and total run of exhaust duct			<input checked="" type="checkbox"/>

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			<input checked="" type="checkbox"/>
81	Show the location of water heater			<input checked="" type="checkbox"/>

Private Potable Water

82	Pump motor horse power			<input checked="" type="checkbox"/>
83	Reservoir pressure tank gallon capacity			<input checked="" type="checkbox"/>
84	Rating of cycle stop valve if used			<input checked="" type="checkbox"/>

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	<input checked="" type="checkbox"/>		
86	Ceiling fans	<input checked="" type="checkbox"/>		
87	Smoke detectors & Carbon dioxide detectors	<input checked="" type="checkbox"/>		
88	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.			

90	Appliances and HVAC equipment and disconnects			✓
91	Arc Fault Circuits (AFCI) in bedrooms		✓	

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.

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 form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
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 permit showing an approved waste water sewer tap			✓
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.			✓
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			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is \$50.00			✓
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. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building 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 of 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.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 1002 Sw Grassy Ln. Columbia County **Project Name:** Bunnell Addition

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridapba.com

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
✓ 1. Swinging	Therma Tru	Fiberglass	8838.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
✓ 5. Fixed	magnolia	Fixed window	10303.1
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
✓ 1. Asphalt Shingles	Owens Corning		Fl. 10674
✓ 2. Underlayments	woodland	#30 LB. FELT	D4869
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Dennis O'Neil

Contractor or Contractor's Authorized Agent Signature
1002 SW Grassy Ln. Columbia

Location

02/02/04 – 2 of 2

County
Website:

Dennis O'Neil 7/6/09
Print Name Date

Permit # (FOR STAFF USE ONLY)

Effective April 1, 2004

TOP CHORD 2X4 SO. PINE #2 or Better
BOT CHORD 2X4 SO. PINE #2 or Better

Setback 7' or Less

UPLIFT: 400# or Less

UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND
SPEED=120 "C". MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED. FILE

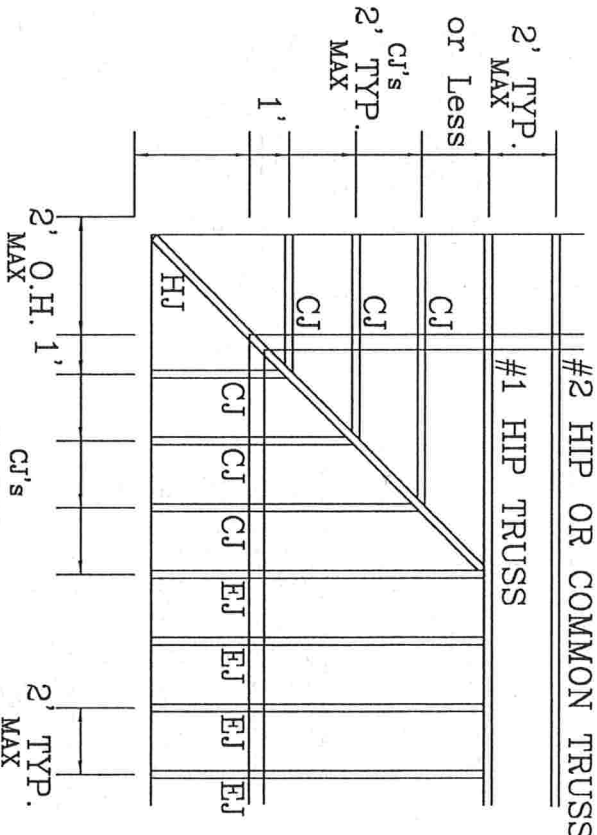
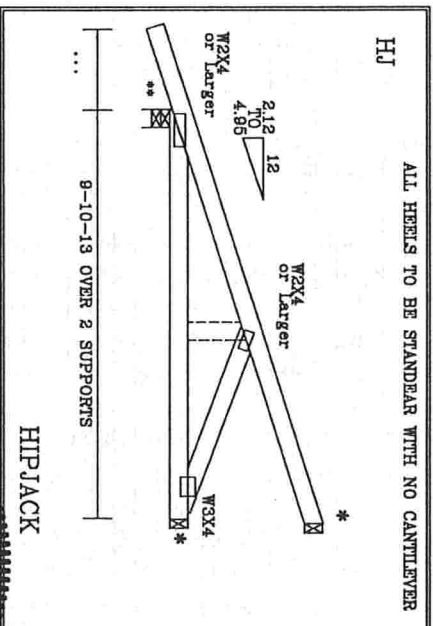
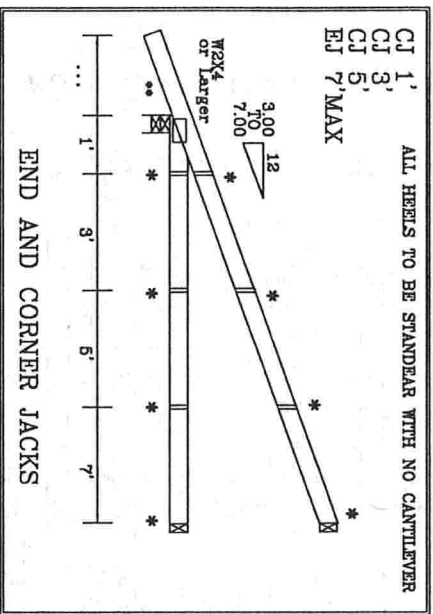
UPLIFT:
BRG LOC:

UPLIFT BASED ON 15.0 PSF TOTAL DEAD LOAD. WIND
SPEED=120 "C" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.

UPLIFT: 400# or Less
*
BRG LOC:

UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND
SPEED=120 "B" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)



SEE FOR TIE DOWN

UPLIFT VALUES DO TAKE INTO ACCOUNT PORCHES EXPOSED
BC LIVE LOAD IS NON CONCURRENT 10*

CORNER SET

7'0" MAX

[illegible]

CONS. ENGINEERS, P.A.
1965 SW 4th AVENUE

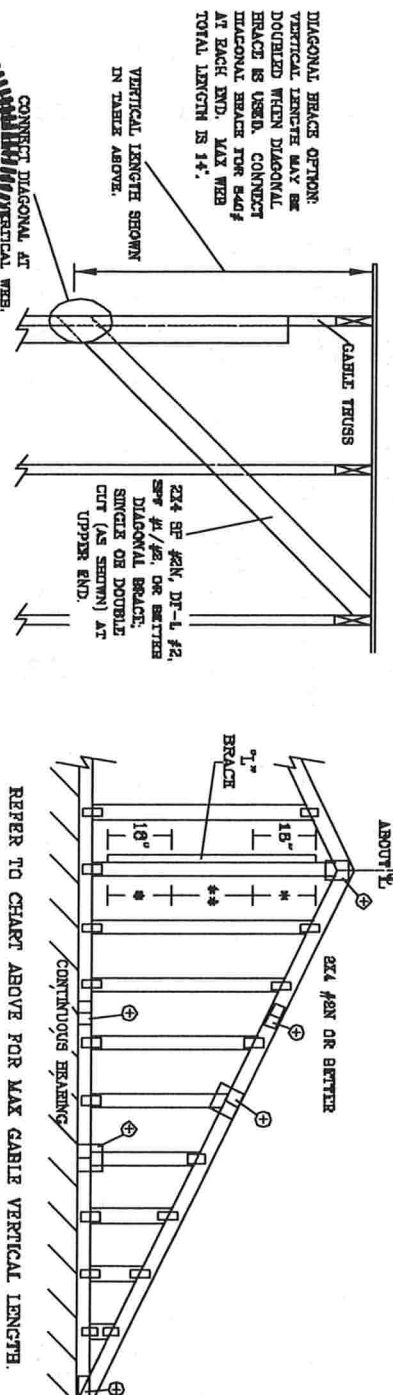
	20	7	5
ITC	MAX	MAX	MAX
ITC	PSF	PSF	PSF
DL	MAX	MAX	MAX
DL	PSF	PSF	PSF

REF	71MAX STBK CS
DATE	Jun./27/2008
DPWG	

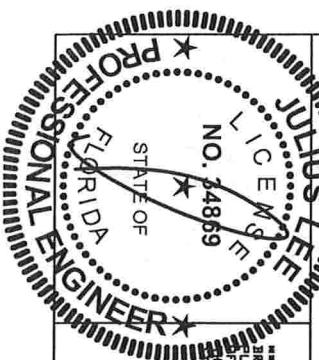
REVIEWED
By Julius Lee at 10:52 am, Jun 27, 2008

ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH		BRACE		NO		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE *		(2) 2X8 "L" BRACE **	
CABLE VERTICAL SPACING	SPECIES	GRADE	BRACE	NO	GROUP	A	B	A	B	A	B	A	B	A	B	A	B
12" O.C.	SPF	#1 / #2	STUD	3' 4"	6' 10"	4' 11"	4' 11"	6' 0"	6' 11"	6' 3"	6' 3"	10' 10"	10' 10"	11' 2"	12' 11"	12' 11"	13' 3"
16" O.C.	SPF	#1 / #2	STUD	3' 8"	6' 10"	4' 11"	4' 11"	6' 0"	6' 11"	6' 3"	6' 3"	10' 10"	10' 10"	11' 2"	12' 11"	12' 11"	13' 3"
24" O.C.	SPF	#1 / #2	STUD	3' 10"	6' 10"	4' 11"	4' 11"	6' 0"	6' 11"	6' 3"	6' 3"	10' 10"	10' 10"	11' 2"	12' 11"	12' 11"	13' 3"



CABLE TRUSS DETAIL NOTES:	
LIVE LOAD DEFLECTION CRITERIA IS L/240.	
PROVIDE UPLIFT CONNECTIONS FOR 156 PSF OVER CONTINUOUS BEARING (6 PSF TO DEAD LOAD).	
CABLE END SUPPORTS LOAD FROM 4' 0" OUTDOCKERS WITH 8' 0" OVERHANG, OR 12' PLYWOOD OVERHANG.	
ATTACH EACH "L" BRACE WITH 104 NAILS.	
* FOR (1) "L" BRACE, SPACE NAILS AT 8" O.C.	
* FOR (2) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (3) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (4) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (5) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (6) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (7) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (8) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (9) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (10) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (11) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (12) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (13) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (14) "L" BRACES, SPACE NAILS AT 3" O.C.	
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* FOR (16) "L" BRACES, SPACE NAILS AT 3" O.C.	
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* FOR (98) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (99) "L" BRACES, SPACE NAILS AT 3" O.C.	
* FOR (100) "L" BRACES, SPACE NAILS AT 3" O.C.	



REVIEWED
By Julius Lee at 12:00 pm, Jun 11, 2008

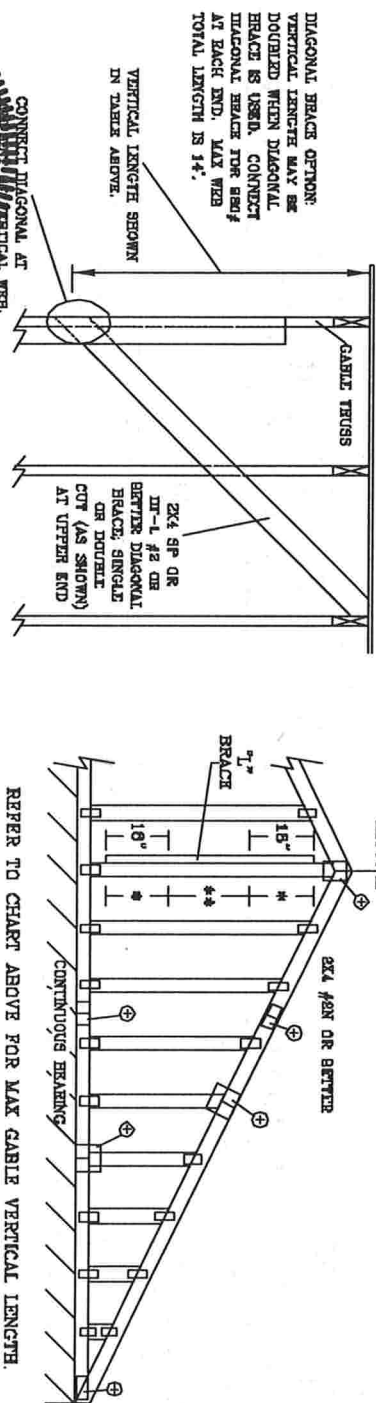
JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 ST. 4th AVENUE
DELRAY BEACH, FL 33444-8161

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

REF ASCE7-02-GAB10015
DATE 11/26/03
DRWG MTRK STD CABLE 15 E ET
-ENG

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH		BRACE		(1) 1X4 T" BRACE *		(1) 2X4 T" BRACE *		(2) 2X4 T" BRACE **		(1) 2X6 T" BRACE *		(2) 2X6 T" BRACE *		(2) 2X8 T" BRACE **	
CABLE VERTICAL SPACING / SPECIES	GRADE	NO BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP B
12" O.C.	SPF	#1 / #2	3' 2"	5' 6"	6' 6"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"	12' 3"	12' 7"
	HF	#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	STUD	STANDARD	3' 1"	4' 6"	4' 5"	5' 10"	6' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	SP	#1	3' 0"	5' 6"	5' 6"	6' 0"	6' 0"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
16" O.C.	SPF	#1 / #2	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"	12' 3"
	HF	#3	3' 0"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	STUD	STANDARD	3' 0"	4' 6"	4' 5"	5' 10"	6' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	SP	#1	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"	12' 3"
24" O.C.	SPF	#1 / #2	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"	12' 3"
	HF	#3	3' 0"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	STUD	STANDARD	3' 0"	4' 6"	4' 5"	5' 10"	6' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"	12' 3"	12' 3"
	SP	#1	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"	12' 3"

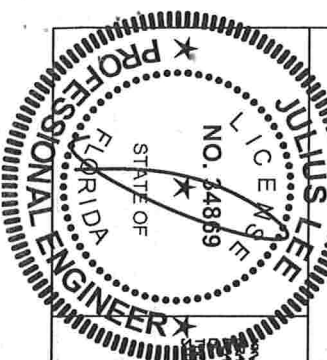


BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPF	HF	SPF	HF
#1 / #2	#3	#1 / #2	#3
STUD	STUD	STUD	STUD
STANDARD	STANDARD	STANDARD	STANDARD

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DESTRUCTION CATEGORY IS I/240.
 PROVIDE UPLIFT CONNECTIONS FOR 150 PSF OVER CONTINUOUS BEARING (6 PSF VC DEAD LOAD).
 CABLE END SUPPORTS LOAD FROM 4' 0" OUTLINE WITH 2' 0" OVERHANG, OR 12" PLATEWOOD OVERHANG.
 ATTACH EACH T" BRACE WITH 10d NAILS.
 * FOR (1) T" BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
 ** FOR (2) T" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
 T" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO. SPICES	LESS THAN 4' 0"	4' 0" BUT GREATER THAN 11' 0"
12" O.C.	1X4 OR 2X3	2X4	2X4
16" O.C.	1X4 OR 2X3	2X4	2X4
24" O.C.	1X4 OR 2X3	2X4	2X4



CONTRACTOR: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-43 QUALITY COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION, 383 DUNDAS ST. W., SUITE 200, MISSISSAUGA, ONT. L4V 1L3, CANADA. (905) 276-1111. UNLESS OTHERWISE INDICATED, TOP GRADE STEEL SHALL HAVE MINIMUM YIELD STRENGTH OF 50 KSI. ALL STEEL SHALL HAVE A PROPERLY ATTACHED REND CEILING.

REVIEWED
 By Julius Lee at 12:00 pm, Jun 11, 2008

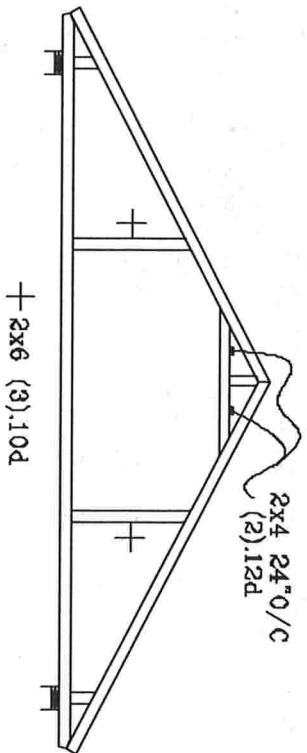
JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1466 SW 4th Avenue
 DEERFIELD BEACH, FL 33441-2161

No. 34869
 STATE OF FLORIDA

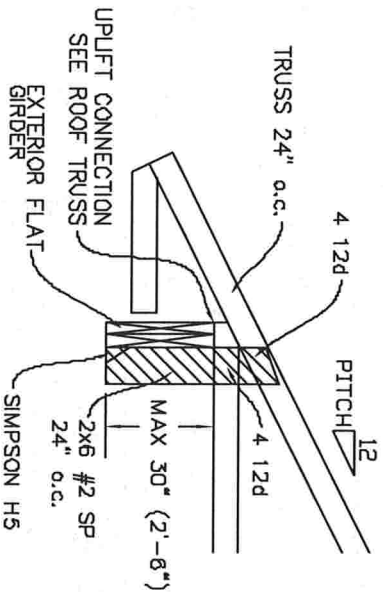
MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0"

REF ASCE7-02-CAB13080
 DATE 11/26/03
 DWG WEEK STD GABLE 30' x 17'
 -ENG

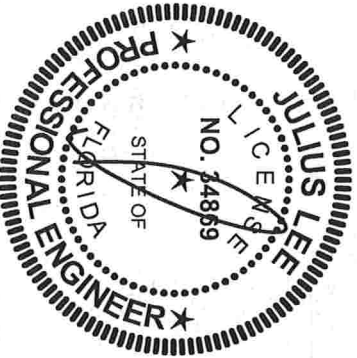
TYPICAL ATTIC TRUSS BRACING



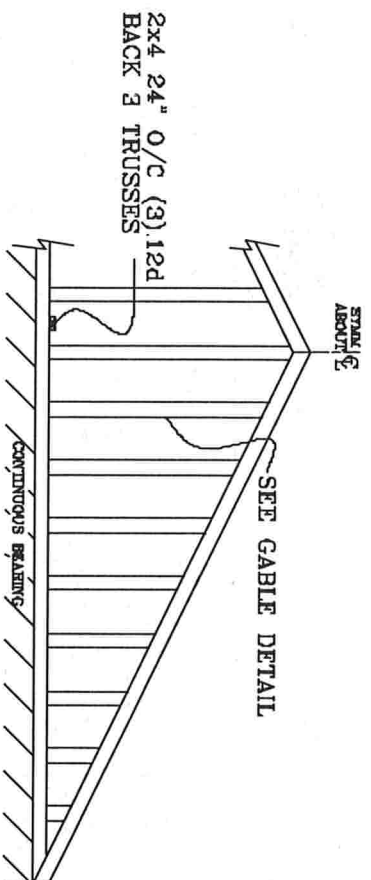
TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

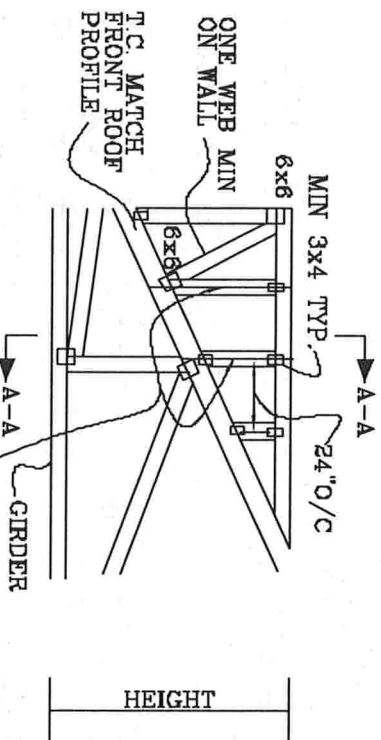


GABLE END TRUSS DETAIL



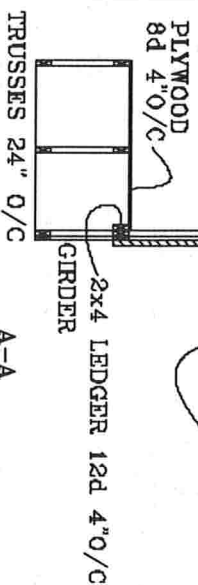
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



SEE ROOF TRUSSES FOR UPLIFT
ROOF 24" o/c

SEE GABLE END DETAIL FOR T-BRACE BEHIND EACH VERTICAL



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DIKEWAY BEACH, FL 33444-2161

No. 34869
STATE OF FLORIDA

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPICES MUST BE STAGGERED SO THAT ONE SPICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF PLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

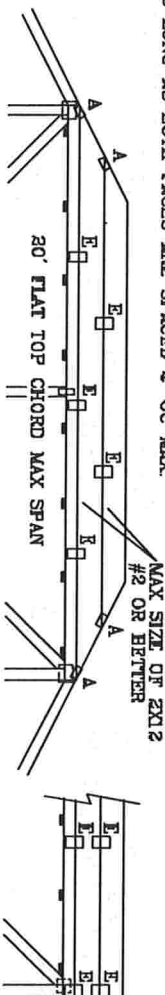
CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, FBG ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

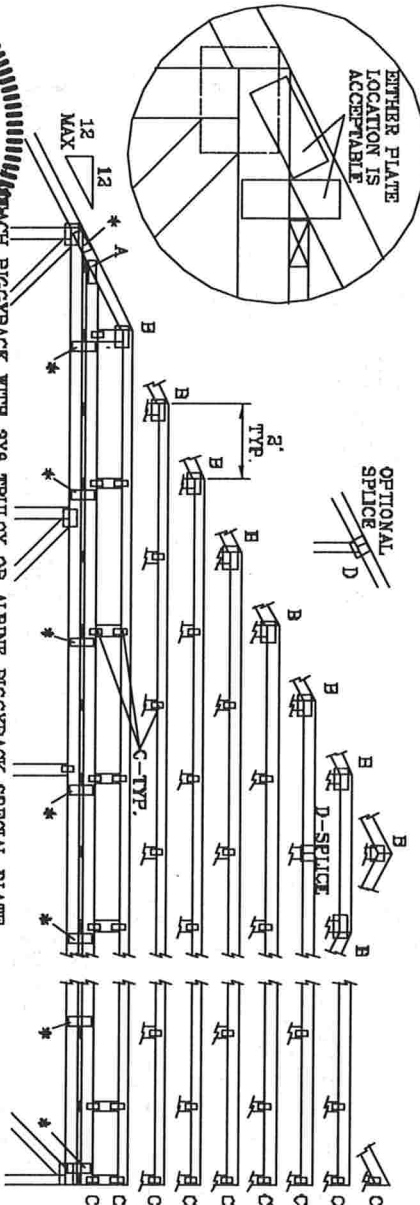
FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF



BETTER PLATE LOCATION IS ACCEPTABLE

OPTIONAL SPICE



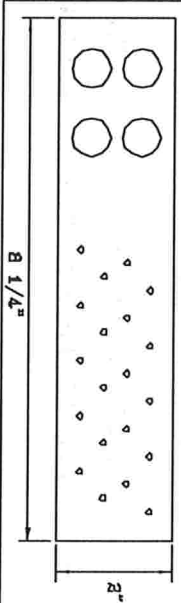
THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 647.045

JOINT TYPE	SPANS UP TO		
	30'	36'	62'
A	2X4	2.6X4	3X6
B	4X6	6X6	6X6
C	1.5X3	1.5X4	1.5X4
D	5X4	6X6	6X6
E	4X6 OR 3X6 TRUSS AT 4' OC, ROTATED VERTICALLY		

ATTACH TRUSS PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRUSS INFORMATION.

WEB LENGTH	WEB BRACING CHART
0' TO 7'-9"	NO BRACING
7'-9" TO 10'	1X4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 9d NAILS AT 4' OC.
10' TO 14'	2X4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4' OC.

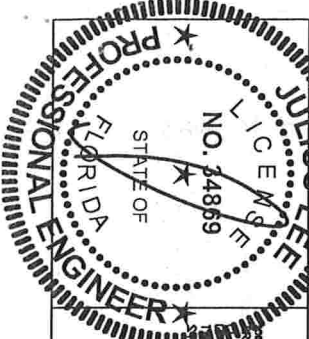
* PIGGYBACK SPECIAL PLATE
ATTACH TEETH TO THE PIGGYBACK AT THE TRUE OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



JULIUS LEE'S
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1406 SW 42ND AVENUE
DEER BEACH, FL 33442-2161

MAX LOADING
65 PSF AT
1.33 DUR. FAC.
50 PSF AT
1.25 DUR. FAC.
47 PSF AT
1.15 DUR. FAC.
SPACING 24.0"

REF PIGGYBACK
DATE 09/12/07
DRWG/ITEK STD PIGGY
-ENG JL



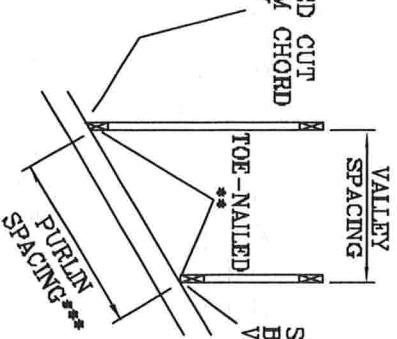
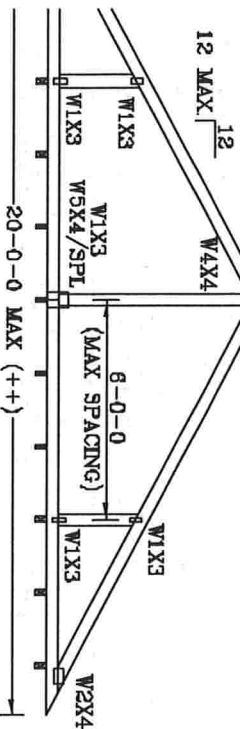
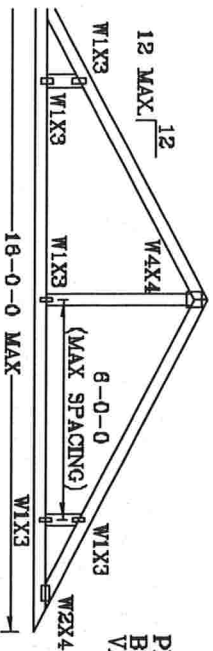
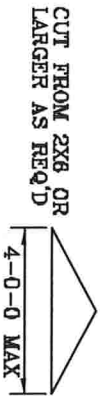
REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
VEHS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:

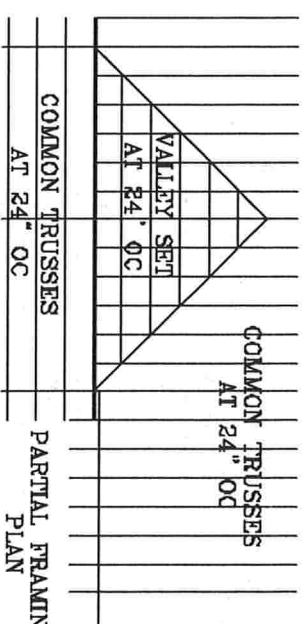
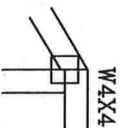
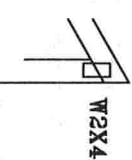
(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR
ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED
BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.



BI VALVE INNOSES USED IN LEO OF FORUM SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



THIS DRAWING REPLACES DRAWING A105

REF	VALLEY DETAIL
DATE	11/26/03
DRWG	VALTRUSS1103
ENG	JL
REF	
PSF	
20	20
PSF	
15	
PSF	
5	
PSF	
0	
PSF	
40	
PSF	
1.25	
24"	

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AP&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES" SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.

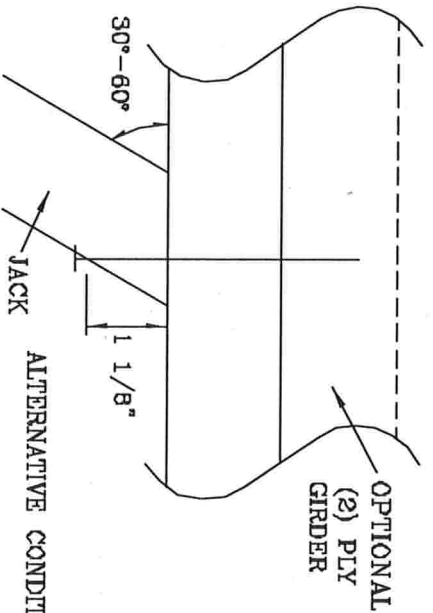
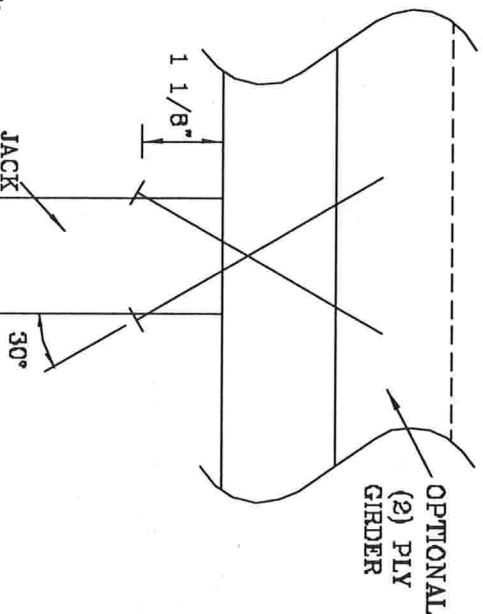
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	189#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. REFER TO BEST PRACTICES FOR TRUSS CONSTRUCTION. PUBLISHED BY THE TRUSS ASSOCIATION, 388 WYOMING AVE., SUITE 200, NORTON, VA 22122. TRUSS CONSTRUCTION PRACTICES SHALL BE FOLLOWED UNLESS OTHERWISE INDICATED. THE CHORD SHALL HAVE PROPERLY ATTACHED MEMBERS. TRUSS PANELS AND JOINTS SHALL HAVE A PROPERLY ATTACHED ROOF BEAM.

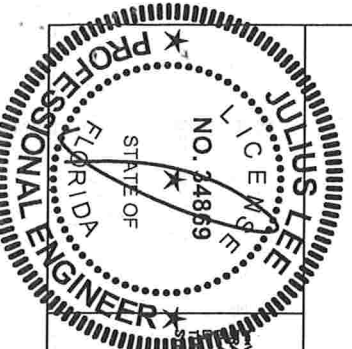
JULIUS LEE'S
CONS. ENGINEERS P.A.
1400 ST 4TH AVENUE
DELRAY BEACH, FL 33444-4161

TC LL PSF REF TOE-NAIL
TC DL PSF DATE 09/12/07
BC DL PSF DRWG CNTONAIL103
BC LL PSF -ENG JL
TOT. LD. PSF

DUR. FAC. 1.00

No. 34868
STATE OF FLORIDA

SPACING

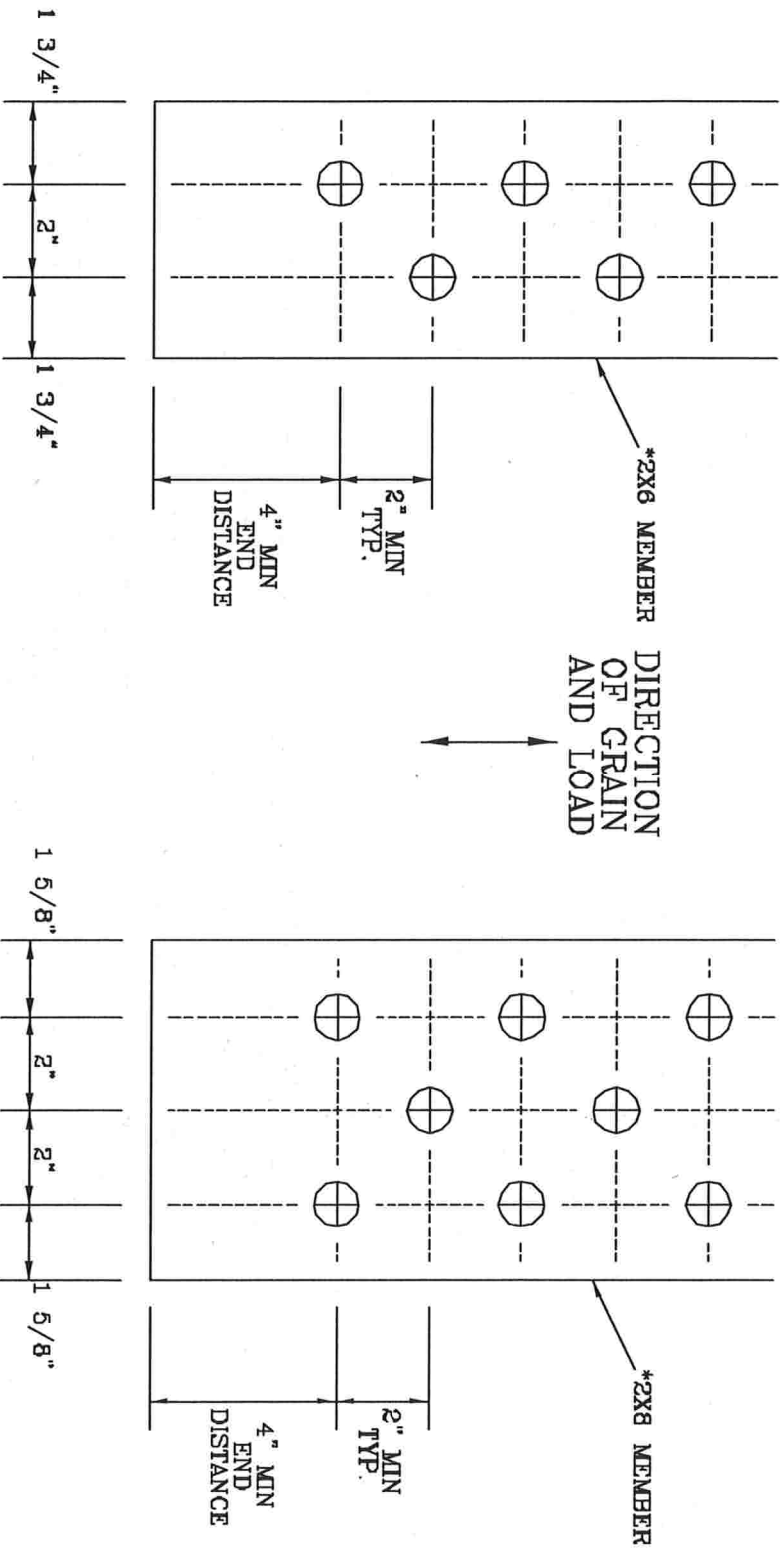


REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

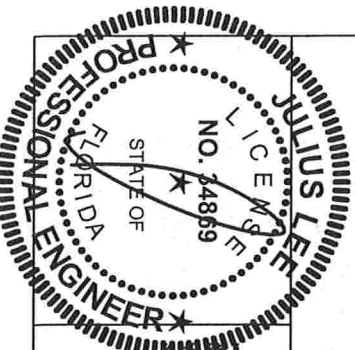
TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.
WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 3880 DOWNSIDE DR., SUITE 200, MADISON, WI 53719 AND WTCA COUNCIL ON TRUSS CONSTRUCTION, 1400 ST. 4TH AVENUE, DEERBEEK, FL 33444-2101. THIS DRAWING IS FOR INFORMATION ONLY. IT DOES NOT HAVE FORCE OF CONTRACT. ANY CHANGES TO THIS DRAWING SHALL BE A PROPERTY OF THE ORIGINAL DESIGNER.

REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

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CONS. ENGINEERS P.A.
1400 ST. 4TH AVENUE
DEERBEEK, FL 33444-2101

No. 34869
STATE OF FLORIDA

TC IL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSPI103
BC IL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

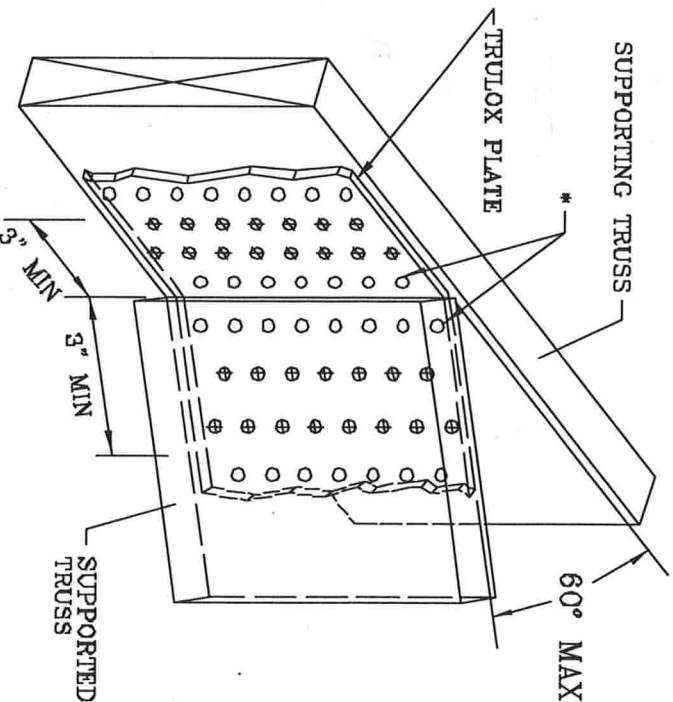
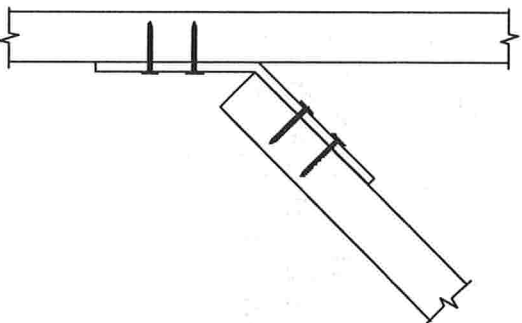
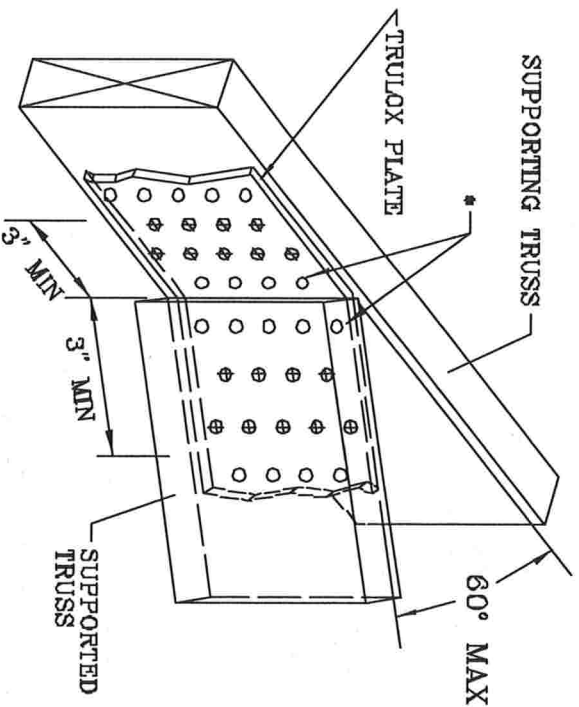
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO, PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.16 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



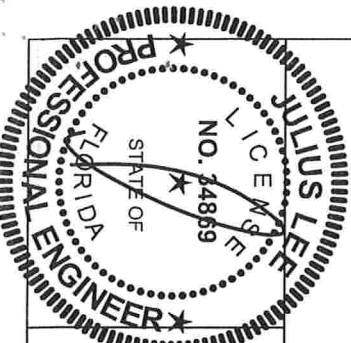
MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350 #
5X6	15	990 #

MINIMUM 5X6 TRULOX PLATE

REVIEWED
By Julius Lee at 11:58 am, Jun 11, 2008

THIS DRAWING REPLACES DRAWINGS 1,166,989 1,158,989/R
1,154,844 1,152,217 1,152,017 1,159,154 & 1,151,524



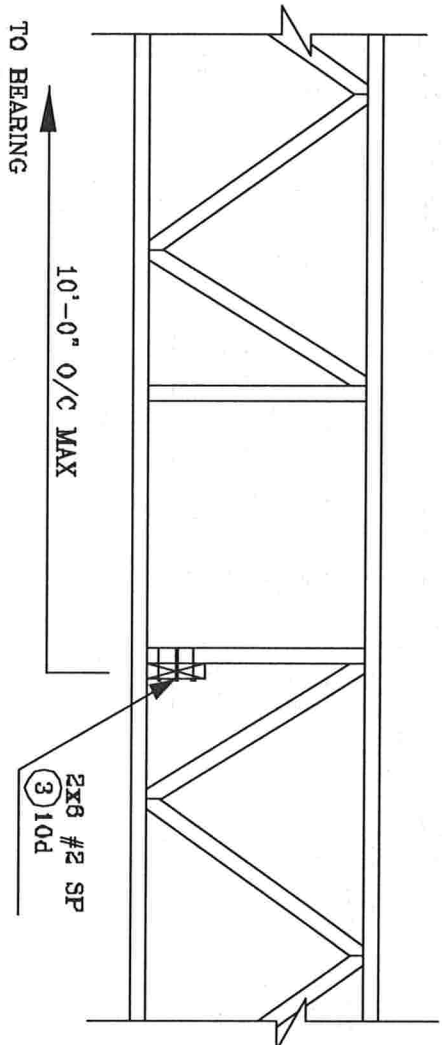
WARNING—TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO ECI 1-10 (BUILDING CODES) FOR SPECIFIC REQUIREMENTS. TRUSSES SHOULD BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, 360-11, 360-12, 360-13, 360-14, 360-15, 360-16, 360-17, 360-18, 360-19, 360-20, 360-21, 360-22, 360-23, 360-24, 360-25, 360-26, 360-27, 360-28, 360-29, 360-30, 360-31, 360-32, 360-33, 360-34, 360-35, 360-36, 360-37, 360-38, 360-39, 360-40, 360-41, 360-42, 360-43, 360-44, 360-45, 360-46, 360-47, 360-48, 360-49, 360-50, 360-51, 360-52, 360-53, 360-54, 360-55, 360-56, 360-57, 360-58, 360-59, 360-60, 360-61, 360-62, 360-63, 360-64, 360-65, 360-66, 360-67, 360-68, 360-69, 360-70, 360-71, 360-72, 360-73, 360-74, 360-75, 360-76, 360-77, 360-78, 360-79, 360-80, 360-81, 360-82, 360-83, 360-84, 360-85, 360-86, 360-87, 360-88, 360-89, 360-90, 360-91, 360-92, 360-93, 360-94, 360-95, 360-96, 360-97, 360-98, 360-99, 360-100.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th Avenue
DELMAR BEACH, FL 33444-3801

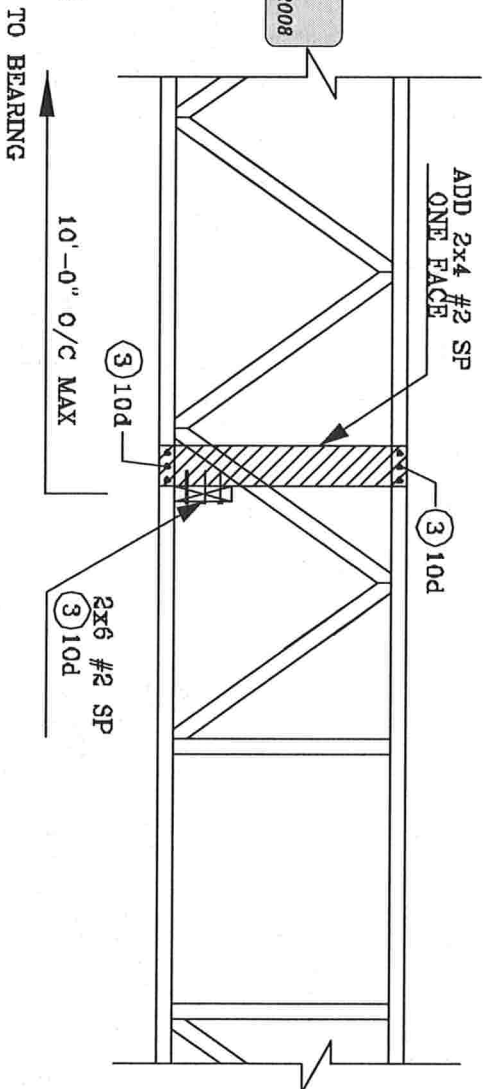
No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
—ENG	JL

STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS

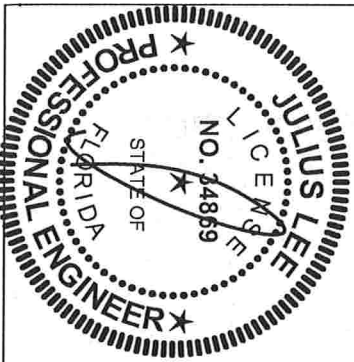


ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



REVIEWED

By Julius Lee at 11:58 am, Jun 11, 2008

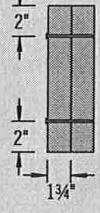
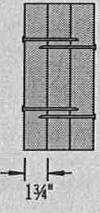
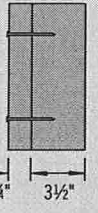
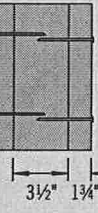
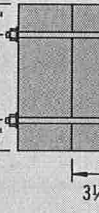
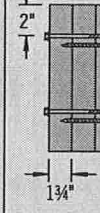


JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
MIAMI BEACH, FL 33444-2691

No. 34869
STATE OF FLORIDA

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Maximum Uniform Load Applied to Either Outside Member (PLF)

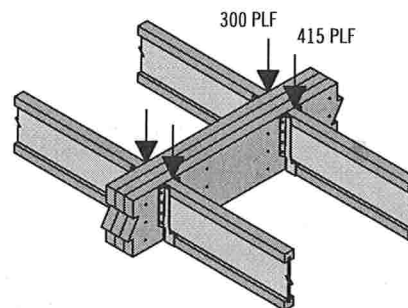
Connector Type	Number of Rows	Connector On-Center Spacing	Connector Pattern					
			Assembly A	Assembly B	Assembly C	Assembly D	Assembly E	Assembly F
								
			3 1/2" 2-ply	5 1/4" 3-ply	5 1/4" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail ⁽¹⁾	2	12"	370	280	280	245		
	3	12"	555	415	415	370		
1/2" A307 Through Bolts ⁽²⁾⁽⁴⁾	2	24"	505	380	520	465	860	340
		19.2"	635	475	655	580	1,075	425
		16"	760	570	785	695	1,290	505
		12"						
SDS 1/4" x 3 1/2" ⁽⁴⁾	2	24"	680	510	510	455		
		19.2"	850	640	640	565		
		16"	1,020	765	765	680		
		12"						
SDS 1/4" x 6" ⁽³⁾⁽⁴⁾	2	24"				455	465	455
		19.2"				565	580	565
		16"				680	695	680
		12"						
USP WS35 ⁽⁴⁾	2	24"	480	360	360	320		
		19.2"	600	450	450	400		
		16"	715	540	540	480		
		12"						
USP WS6 ⁽³⁾⁽⁴⁾	2	24"				350	525	350
		19.2"				440	660	440
		16"				525	790	525
		12"						
3 3/8" TrussLok ⁽⁴⁾	2	24"	635	475	475	425		
		19.2"	795	595	595	530		
		16"	955	715	715	635		
		12"						
5" TrussLok ⁽⁴⁾	2	24"		500	500	445	480	445
		19.2"		625	625	555	600	555
		16"		750	750	665	725	665
		12"						
6 3/4" TrussLok ⁽⁴⁾	2	24"				445	620	445
		19.2"				555	770	555
		16"				665	925	665
		12"						

- (1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.
- (2) Washers required. Bolt holes to be 1/16" maximum.
- (3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.
- (4) 24" on-center bolted and screwed connection values may be doubled for 12" on-center spacing.

General Notes

- Connections are based on NDS® 2005 or manufacturer's code report.
- Use specific gravity of 0.5 when designing lateral connections.
- Values listed are for 100% stress level. Increase 15% for snow-loaded roof conditions or 25% for non-snow roof conditions, where code allows.
- Bold Italic** cells indicate **Connector Pattern** must be installed on both sides. Stagger fasteners on opposite side of beam by 1/2 the required **Connector Spacing**.
- Verify adequacy of beam in allowable load tables on pages 16–33.
- 7" wide beams should be side-loaded only when loads are applied to both sides of the members (to minimize rotation).
- Minimum end distance for bolts and screws is 6".
- Beams wider than 7" require special consideration by the design professional.

Uniform Load Design Example



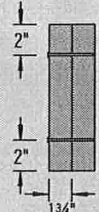
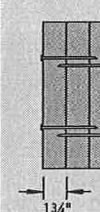
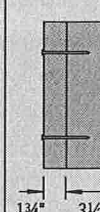

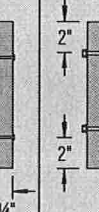
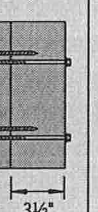
First, check the allowable load tables on pages 16–33 to verify that three pieces can carry the total load of 715 plf with proper live load deflection criteria. Maximum load applied to either outside member is 415 plf. For a 3-ply 1 3/4" assembly, two rows of 10d (0.128" x 3") nails at 12" on-center is good for only 280 plf. Therefore, use three rows of 10d (0.128" x 3") nails at 12" on-center (good for 415 plf).

Alternates:

Two rows of 1/2" bolts or SDS 1/4" x 3 1/2" screws at 19.2" on-center.

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Point Load—Maximum Point Load Applied to Either Outside Member (lbs)

Connector Type	Number of Connectors	Connector Pattern					
		Assembly A	Assembly B	Assembly C	Assembly D	Assembly E	Assembly F
							
		3 1/2" 2-ply	5 1/4" 3-ply	5 1/4" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail	6	1,110	835	835	740		
	12	2,225	1,670	1,670	1,485		
	18	3,335	2,505	2,505	2,225		
	24	4,450	3,335	3,335	2,965		
SDS Screws 1/4" x 3 1/2" or WS35 1/4" x 6" or WS6 ⁽¹⁾	4	1,915	1,435 ⁽⁴⁾	1,435	1,275	1,860 ⁽²⁾	1,405 ⁽²⁾
	6	2,870	2,150 ⁽⁴⁾	2,150	1,915	2,785 ⁽²⁾	2,110 ⁽²⁾
	8	3,825	2,870 ⁽⁴⁾	2,870	2,550	3,715 ⁽²⁾	2,810 ⁽²⁾
	4	2,545	1,910 ⁽⁴⁾	1,910	1,695	1,925 ⁽³⁾	1,775 ⁽³⁾
3 3/8" or 5" TrussLok™	6	3,815	2,860 ⁽⁴⁾	2,860	2,545	2,890 ⁽³⁾	2,665 ⁽³⁾
	8	5,090	3,815 ⁽⁴⁾	3,815	3,390	3,855 ⁽³⁾	3,550 ⁽³⁾

(1) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

See General Notes on page 38

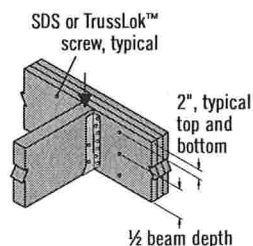
(2) 6" long screws required.

(3) 5" long screws required.

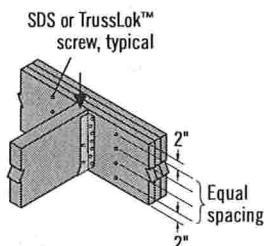
(4) 3 1/2" and 3 3/8" long screws must be installed on both sides.

Connections

4 or 6 or Screw Connection

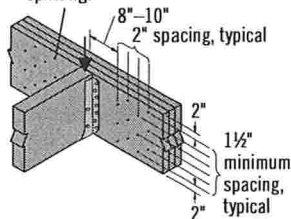


8 Screw Connection



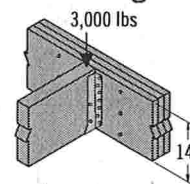
Nail Connection

10d (0.128" x 3") nails, typical. Stagger to prevent splitting.



There must be an equal number of nails on each side of the connection

Point Load Design Example



First, verify that a 3-ply 1 3/4" x 14" beam is capable of supporting the 3,000 lb point load as well as all other loads applied. The 3,000 lb point load is being transferred to the beam with a face mount hanger. For a 3-ply 1 3/4" assembly, eight 3 3/8" TrussLok™ screws are good for 3,815 lbs with a face mount hanger.

MULTIPLE-MEMBER CONNECTIONS FOR TOP-LOADED BEAMS

1 3/4" Wide Pieces

- Minimum of three rows of 10d (0.128" x 3") nails at 12" on-center.
- Minimum of four rows of 10d (0.128" x 3") nails at 12" on-center for 14" or deeper.
- If using 12d–16d (0.148"–0.162" diameter) nails, the number of nailing rows may be reduced by one.
- Minimum of two rows of SDS, WS, or TrussLok™ screws at 16" on-center. Use 3 3/8" minimum length with two or three plies; 5" minimum for 4-ply members. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. For 3- or 4-ply members, connectors must be installed

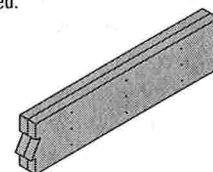
on both sides. Stagger fasteners on opposite side of beam by 1/2 of the required connector spacing.

- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

3 1/2" Wide Pieces

- Minimum of two rows of SDS, WS, or TrussLok™ screws, 5" minimum length, at 16" on-center. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. Connectors must be installed on both sides. Stagger fasteners on opposite side of beam by 1/2 of the required connector spacing.

- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.
- Minimum of two rows of 1/2" bolts at 24" on-center staggered.



Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"

L6

6/12 PITCH
2'-0" O/H

18-0-0

15-0-0

CONV. FRAME VALLEY
ONTO EXISTING ROOF

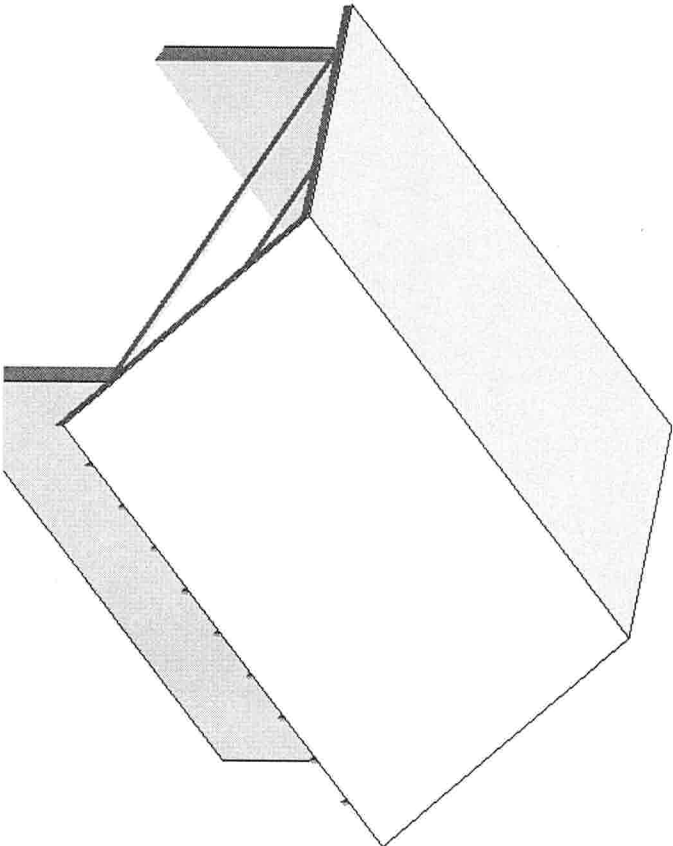
T01 (9)

T01G

18-0-0

15-0-0

ALL FLAT CEILINGS



NOTES:

- 1) REFER TO HSB BY RECOMMENDATIONS FOR BRACING AND INSTALLATION AND TEMPORARY BRACING. REFER TO HSB FOR DETAILED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 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) S742 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTUD6 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED.
- 8) BEAM/HEADER/INTEL (HOB) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND JOISTS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requester's Name: _____

Approved By: _____ Date: _____



Bunnell

PHONE: 904-437-3549 FAX: 904-437-3994

Jacksonville

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

Lake City

PHONE: 386-753-6894 FAX: 386-753-7973

Sanford

PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER

O'NEIL CONST.

TEL. NUMBER

BUNNELL ADDITION

DATE

6-30-09 K.L.H. 308847

DATE: NTS

DATE: 308847