Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE BAYA DR
City LAKE City Phone 752-1703

Site Location: Subdivision Preserve @ Laurel Lakes
Lot # 30 Block# _____ Permit # 30859
Address 417 SW Bellflower DR

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
DWL (MAIN Body)	2390	212	125

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

4/2/13 Date | 1530 Time | James Baker Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

Notice of Treatment

Applicator: Florida Pest Control · (www.flapest .com)
Address: 536 SE BAYA
City LAKE CITY Phone _____

Site Location: Subdivision _____
Lot # _____ Block# _____ Permit # 30859
Address 417 SW BELLFLOWER

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ _____		

Type treatment: ☑ Soil

Area Treated	Square feet	Linear feet	Gallons Applied
GARAGE APRON		20	6
FRONT STEP		4	

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____

7-8-13 Date | 3:18 Time | DAVID FULLER Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
2/12 ©

Notice of Treatment

Applicator: Florida Pest Control · (www.flapest .com)
Address: 536 Baya Dr
City Lake City Phone 386 752 1702

Site Location: Subdivision
Lot # Block# Permit # 30859
Address 417 Bell Flower Dr

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐		

Type treatment: ☑ Soil

Area Treated	Square feet	Linear feet	Gallons Applied
Final		192	40

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____

5-9-13	2:45	FRED
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
2/12 ©

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Dr
City Lake City Phone 752-1703

Site Location: Subdivision
Lot # 30 Block# Permit # 30859
Address

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Brick Veneer footer	40	40	8

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

5-23-13	9:41	BILL HENDRICKS
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

DATE 03/21/2013

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030859

APPLICANT ROBIN NICHOLS PHONE 386.752.8653

ADDRESS 465 NW ORANGE STREET LAKE CITY FL 32055

OWNER RYAN COOPER PHONE 752-8653

ADDRESS 417 SW BELLFLOWER DR LAKE CITY FL 32024

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 90 W, L 252-B, R INTO PRESERVE AT LAUREL LAKES,
L BELLFLOWER DR, .32 MILES ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 124700.00

HEATED FLOOR AREA 1904.00 TOTAL AREA 2494.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING PRD MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 03-4S-16-02731-030 SUBDIVISION PRESERVE @ LAUREL LAKE

LOT 30 BLOCK PHASE 1 UNIT TOTAL ACRES 0.53

000001996		CBC054575	X	
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
WAIVER	CITY	BK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: MINIMUM FLOOR ELEVATION SET @ 109.4', NEED ELEVATION CONFIRMATION
LETTER AT SLAB, NOC ON FILE

Check # or Cash 3965

FOR BUILDING & ZONING DEPARTMENT ONLY

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 625.00 CERTIFICATION FEE $ 12.47 SURCHARGE FEE $ 12.47

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** 724.94

INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Columbia County Building Permit Application

For Office Use Only Application # 1303-13 Date Received 3-6-13 By LH Permit # 19960/30859

Zoning Official BLK Date 15 March 2013 Flood Zone X Land Use Res Low Den Zoning PRD

FEMA Map # N/A Elevation 109.4 MFE 109.4 per plot River N/A Plans Examiner J.C. Date 3-14-13

Comments Elevation Confirmation Letter Required at Slab

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☑ State Road Info ☑ Well letter ☑ 911 Sheet ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☑ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS Fire on file Corr ☑ Sub VF Form

Road/Code School = TOTAL (Suspended) ☐ Ellisville Water ☑ App Fee Paid

R 15 F 25 S 10

Septic Permit No. City Water & Sewer Fax 386-758-8920

Name Authorized Person Signing Permit Bryan Zecher Phone 386-752-8653

Address 465 NW Orange St, LAKE CITY, FL 32055

Owners Name Ryan Cooper Phone

911 Address 417 SW Bellflower Dr, Lake City, FL 32024

Contractors Name Bryan Zecher Phone 386-752-8653

Address 465 NW Orange Str., Lake City, FL 32055

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Arthur Rutenberg Homes/ Gary Gill

Mortgage Lenders Name & Address 1st Federal

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

Property ID Number 03-4S-16-02731-030 Estimated Cost of Construction 170,900-

Subdivision Name The Preserve @ Laurel Lake Lot 30 Block ____ Unit ____ Phase 1

Driving Directions US 90 West to 252-B, go south on 252-B about 1 mile, turn right into Preserve at Laurel Lakes, turn on 1st left onto SW Bellflower Dr. Home will be on the left. .32 miles on (L)

Number of Existing Dwellings on Property Ø

Construction of New Home Total Acreage .53 Lot Size .53

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

Actual Distance of Structure from Property Lines - Front 30' Side 45' Side 45' Rear 25±

Number of Stories 1 Heated Floor Area 1904 (26) Total Floor Area 2494 (40) Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2010 and the 2008 National Electrical Code.

$174.94

Ok spoke w/Robin 3.18.13

Clatt 3965

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

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

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

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

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

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

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

(Owners Must Sign All Applications Before Permit Issuance.)

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

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

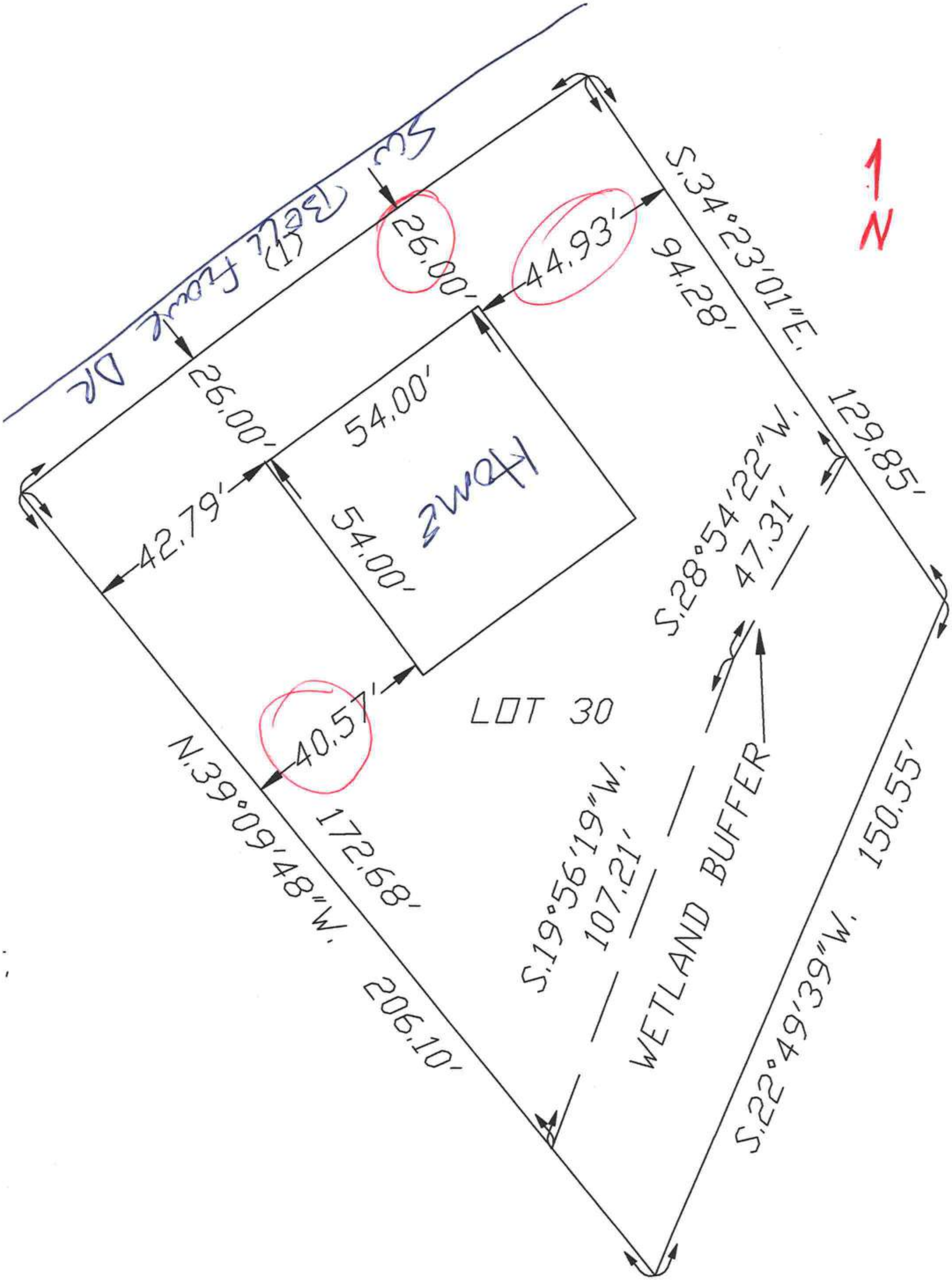
Contractor's Signature (Permitee) **Contractor's License Number** CBC054575
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 5TH **day of** March **20** 13.

Personally known ✓ **or Produced Identification**

Louis W. Nichols
State of Florida Notary Signature (For the Contractor)

LOUIS W. NICHOLS III
MY COMMISSION EXPIRES
January 2, 2014
#EE 862297
Bonded thru Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA


N
S.34°23'01"E.
94.28'
129.85'
26.00'
44.93'
26.00'
54.00'
54.00'
Home
42.79'
40.57'
LOT 30
S.28°54'22"W.
47.31'
N.39°09'48"W.
172.68'
206.10'
S.19°56'19"W.
107.21'
WETLAND BUFFER
S.22°49'39"W.
150.55'

This Instrument Prepared By:

Abstract Trust Title, LLC
PO Box 7175
Lake City, FL 32055

ATS# 4-5447

Inst:201312003031 Date:3/1/2013 Time:8:42 AM
Doc Stamp-Deed:108.50
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1250 P:732

GENERAL WARRANTY DEED

Limited Liability Company to Individual

THIS WARRANTY DEED made this 26th day of February, 2013, by Residential Development Group, LLC, A Florida Limited Liability Company, hereinafter called the grantor, to Ryan S. Cooper, whose post office address is: 417 SW Bellflower Drive, Lake City, FL 32024 hereinafter called the grantee:

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

WITNESSETH that the Grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# 03-4S-16-02731-030

LOT 30, PRESERVE AT LAUREL LAKE UNIT 1, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGES 18 THROUGH 25, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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

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

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2012.

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

Signed, sealed and delivered in our presence:

Melinda Weaver
WITNESS

MELINDA WEAVER
PRINTED NAME

Residential Development Group, LLC

BY: _____
Daniel Crapps, Managing Member

_____
WITNESS

Michael H Harrell
PRINTED NAME

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 26th day of February, 2013 by Daniel Crapps as Managing Member of Residential Development Group, LLC, a Florida Limited Liability Company personally known to me or, if not personally known to me, who produced DL for identification and who did not take an oath.

(SEAL)

_____
NOTARY PUBLIC

MICHAEL H. HARRELL
Notary Public, State of Florida
My Comm. Expires April 8, 2013
Commission No. DD 869555

My Commission Expires:

City of Lake City
Customer Service Department
MEMORANDUM

Date: March 14, 2013

To: Bryan Zecher, Bryan Zecher Construction

From: Shasta Pelham, Customer Service Representative III

Re: **417 SW Bellflower Dr.**

Below is the cost estimate for Tap and Impact fees. If you have any questions, please do not hesitate to contact me at 386.719.5786.

	Tap Fees	**Impact Fees**	**Total Fees**
3/4" Water	$ 390.00	$.00	$ 390.00
4" Sewer	$ 370.00		$ 370.00

Application Fee $ -100.00 paid 03/07/203

Total Fees To Be Paid $660.00

RE: COOPER

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1303-13 CONTRACTOR Bryan Zecher Construction PHONE 386-752-8663

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL 76	Print Name Matthews Elect	Signature
	License #: ER-0014352	Phone #: 386-344-2029
MECHANICAL/ A/C 147	Print Name Touchstone H/A	Signature Separate Sheet
	License #: Separate Sheet	Phone #:
PLUMBING/ GAS 1081	Print Name Wolfe Plumbing	Signature Separate Sheet
	License #:	Phone #:
ROOFING 187	Print Name Mac Johnson	Signature X
	License #: Liability o/c until 3-19-13	Phone #:
SHEET METAL	Print Name N/A	Signature
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A	Signature
	License#:	Phone #:
SOLAR	Print Name N/A	Signature
	License #:	Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	N/A	N/A	
CONCRETE FINISHER	63	Daryl Spradley	Separate Sheet
FRAMING 853	CBC054578	[redacted] Bryan Zecher	
INSULATION	929	Lake City Ind Kevin Jackson	Separate Sheet
STUCCO	N/A	N/A	
DRYWALL	1197	Earston Massie	Separate Sheet
PLASTER	N/A	N/A	
CABINET INSTALLER 853	CBC054575	Bryan Zecher	
PAINTING	330	Bobby Touchton	Separate Sheet
ACOUSTICAL CEILING	N/A	N/A	
GLASS	N/A	N/A	
CERAMIC TILE 853	CBC054578	Bryan Zecher	
FLOOR COVERING 853	"	Bryan Zecher	
ALUM/VINYL SIDING (1)	CCC0001166	Mike Nicholson	
GARAGE DOOR	619	Carl - Lake City Glass	Separate Sheet
METAL BLDG ERECTOR	N/A	N/A	

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

Spoke to Robin 3-12-13

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER COOPER CONTRACTOR Bryan Zecher PHONE 386-752-8653

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-5, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name_____ Signature_____ License #: Phone #:
MECHANICAL/ A/C dlc B 747	Print Name TOUCHSTONE HEATING & AIR Signature_____ License #: CACO 58099 Phone #: 386-867-0625
PLUMBING/ GAS	Print Name_____ Signature_____ License #: Phone #:
ROOFING	Print Name_____ Signature_____ License #: Phone #:
SHEET METAL	Print Name_____ Signature_____ License #: Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name_____ Signature_____ License#: Phone #:
SOLAR	Print Name_____ Signature_____ License #: Phone #:

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

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher PHONE 386-752-8653

RE: COOPER

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ Signature _____ License #: Phone #:
MECHANICAL/ A/C _____	Print Name _____ Signature _____ License #: Phone #:
PLUMBING/ GAS	Print Name WOLFE PLUMBING Scott Russell Signature X License #: CFC051621 Wolfe Phone #: 386-867-0625
ROOFING	Print Name _____ Signature _____ License #: Phone #:
SHEET METAL	Print Name _____ Signature _____ License #: Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ Signature _____ License#: Phone #:
SOLAR	Print Name _____ Signature _____ License #: Phone #:

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

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher Construction PHONE 386-752-8663

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name Matthews Elect License #: ER-0014352	Signature Phone #: 386-344-2029
MECHANICAL/ A/C _____	Print Name Touchstone H/A License #:	Signature Phone #:
PLUMBING/ GAS	Print Name Wolfe Plumbing License #:	Signature Phone #:
ROOFING 187	Print Name Mac Johnson License #: RC0061364	Signature Phone #: 352-472-4943
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Separate Sheet Lic. ok until 3-19-13

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	N/A		
CONCRETE FINISHER		Daryl Spradley	
FRAMING		[redacted]	
INSULATION		Lake City Ind	
STUCCO		N/A	
DRYWALL			
PLASTER		N/A	
CABINET INSTALLER		[redacted]	
PAINTING		Bobby Touchton	
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
CERAMIC TILE		Bryan Zecher	
FLOOR COVERING		Bryan Zecher	
ALUM/VINYL SIDING		Mike Nicholson	
GARAGE DOOR		Carl - Lake City Glass	
METAL BLDG ERECTOR		N/A	

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

Contractor Forms\ Subcontractor form: 6/09

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	000063	Darrell Spradley	Darrell Spradley
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

ok

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

PERMIT #

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR BRYAN ZECHER PHONE 752-8653

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
✓ INSULATION	929	KEVIN JACKSON	
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER Permit # CONTRACTOR BRYAN ZECHER PHONE 386-752-8653

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C _____	Print Name License #:	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	ØØ1197	EARSTON MASSIE	Earston Massie
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher PHONE 752-8653

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name Marc Matthews	Signature	
	License #: ER-0014352	Phone #: 344-2029	
MECHANICAL/ A/C ____	Print Name ~~Louis Weeks/Glen~~	Signature	
	License #: ~~CAC057486~~ James Inc	Phone #: ~~352-538~~	
PLUMBING/ GAS	Print Name ~~Buck Boyette~~	Signature	
	License #: ~~CFC021540~~	Phone #: ~~(386) 752-0776~~	
ROOFING	Print Name Mac Johnson	Signature (see attached)	
	License #: RC0061384	Phone #: 352-472-4943	
SHEET METAL	Print Name N/A	Signature	
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER	Print Name N/A	Signature	
	License#:	Phone #:	
SOLAR	Print Name N/A	Signature	
	License #:	Phone #:	

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	~~000097~~	~~Kenneth Lowder~~	
CONCRETE FINISHER	00063	Darrell Spradley	
FRAMING	CBC054575	Bryan Zecher	
INSULATION	~~00340~~	~~Will Sykes~~	
STUCCO		N/A	
DRYWALL	~~000066~~	~~Joe Madden~~	
PLASTER		N/A	
CABINET INSTALLER	CBC054575	Bryan Zecher	
PAINTING	000330	Bobby Touchton	
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
CERAMIC TILE	~~000188~~	~~Ron Humphrey~~	
FLOOR COVERING	~~910~~	~~Mark Varn~~	
ALUM/VINYL SIDING	000166	Mike Nicholson	
GARAGE DOOR	~~5421381~~	~~Richard Horne~~	
METAL BLDG ERECTOR			

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

Permit 30596

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR BRYAN ZECHER CONSTRUCTION PHONE (386) 752-8653

RE: CATALDO 30596

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR	* 000619	CARL BULLARD	* Carl Bullard
METAL BLDG ERECTOR			

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

Contractor Forms: Subcontractor Form 6/09

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher PHONE 386-752-8653

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ Signature _____ License #: _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ Signature _____ License #: _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ Signature _____ License #: _____ Phone #: _____
ROOFING	Print Name Brian MacJohnson RJ Inc. Signature _____ License # CCC 061384 Phone #: 352-472-4943
SHEET METAL	Print Name _____ Signature _____ License #: _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ Signature _____ License#: _____ Phone #: _____
SOLAR	Print Name _____ Signature _____ License #: _____ Phone #: _____

dlc 187

MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.105 Building permits; identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be prescribed each time the employer applies for a building permit.

ATT #5447

This Instrument Prepared By:
Abstract Trust Title LLC
PO Box 7175
Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that Improvements will be made to certain real property and in accordance with Chapter 713, Florida Statues, the following is provided in this Notice of Commencement:

1. Description of Property: See Exhibit "A" attached hereto and by this reference made a part thereof.
2. General Description of Improvement: Construction of Dwelling
3. Owner Information:
   a. Name and Address: Ryan S. Cooper @13487 CR 10A, Lake City, FL 32055
   b. Interest in property: Fee Simple
   c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Bryan Zecher Homes, Inc.@ 465 NW Orange Street, lake City, FL 32055
5. Surety:
   a. Name and Address: N/A
   b. Amount of Bond: N/A

Inst:201312003033 Date:3/1/2013 Time:8:42 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1250 P:754

6. LENDER: First Federal Bank of Florida
   4705 West US Highway 90
   PO Box 2029
   Lake City, FL 32056
7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1 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 NEED TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

***Owner is used for singular or plural as context requires.**

Signed, sealed and delivered in the presence:

WITNESS Michael Harrell

WITNESS Regina Williams

Ryan S. Cooper

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared RYAN S. COOPER to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 26th day of February, 2013.

(SEAL)

MICHAEL H. HARRELL
Notary Public, State of Florida
My Comm. Expires April 8, 2013
Commission No. DD 889555

NOTARY PUBLIC

My Commission Expires:

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.

Ryan S. Cooper

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By: Bonnie Dow
Deputy Clerk
Date: March 1, 2013

ATT# 5447 Cooper

EXHIBIT A

Lot 30, Preserve At Laurel Lake Unit 1, a Subdivision according to the Plat thereof as recorded in Plat Book 9, Pages 18 through 25, of the Public Records of Columbia County, Florida.

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

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

	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.) 1904		Total (Sq. Ft.) under roof 2494	IIIIIIII	IIIIIIII	IIIII

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

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

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil 1000 Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter of the areas structural panel sheathing			✓

49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC 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 802.1.6.1 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

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

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	✓		

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.*

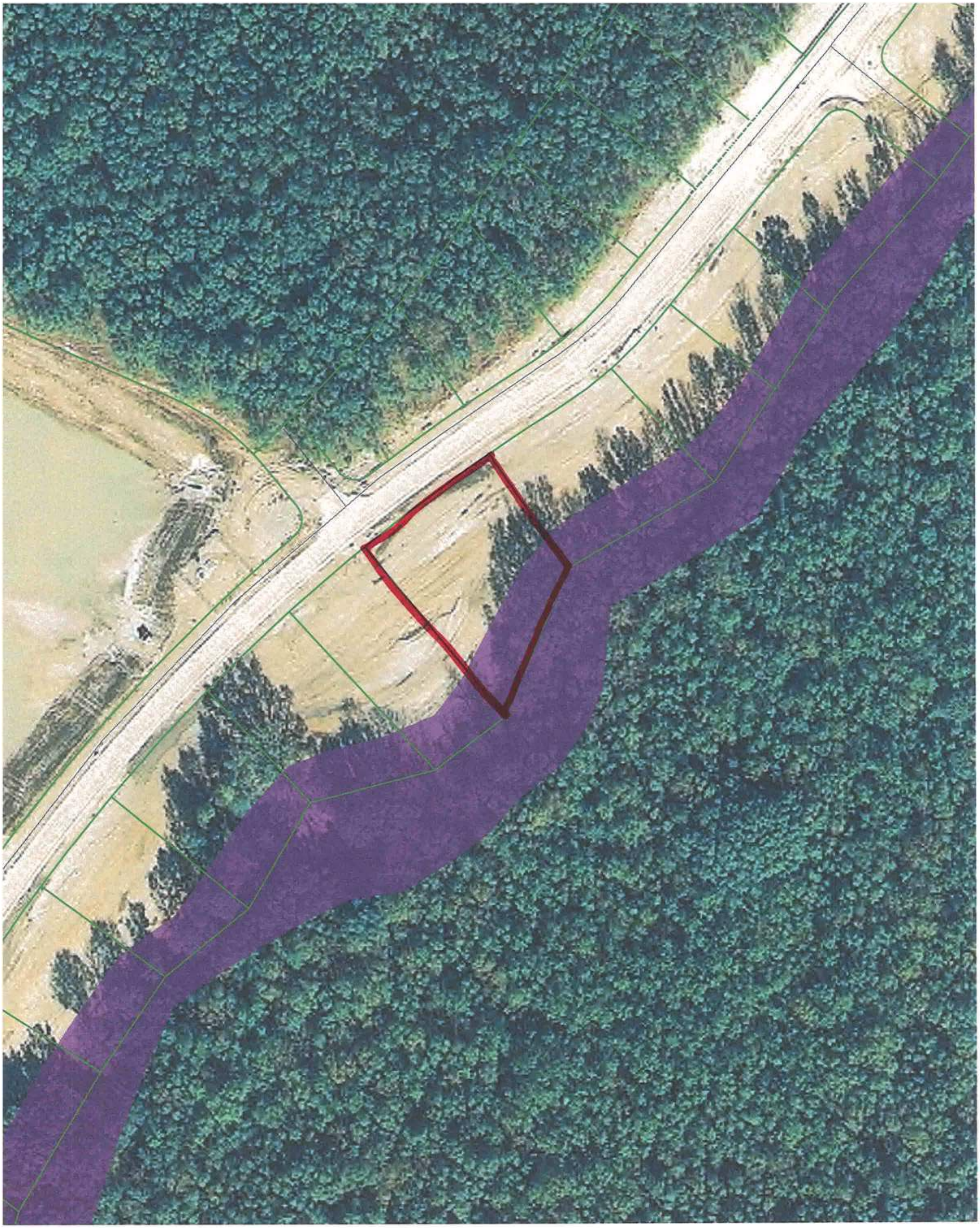
Notice Of Commencement

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 On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee.	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap 386-752-2031	✓		
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 approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	✓		
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	✓		
102	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3	✓		



1303-23

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 03-4S-16-02731-030 **Building permit No.** 000030859

Use Classification SFD, UTILITY **Fire:** 19.26

Permit Holder BRYAN ZECHER **Waste:** 50.25

Owner of Building RYAN COOPER **Total:** 69.51

Location: 417 SW BELLFLOWER DRIVE,LAKE CITY,FL 32024

Date: 07/12/2013

Troy Ave

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Permit #30859

OK
B2K
26 April 2013

Britt Surveying and Mapping, LLC
2086 SW Main Blvd Ste 112 • Lake City, FL 32025
386-752-7163 P • 386-752-5573 F • www.brittsurvey.com

4/10/2013

L-22560

Re: Lot 30 of Preserves at Laurel Lake

To: Bryan Zecher Construction

To Whom It May Concern:

The elevation of the slab on Lot 30 is found to be 110.88 feet. The minimum floor elevation as per the plat of record is 109.40 feet. The elevation of the lowest adjacent grade is 108.7 feet. The elevation of the highest adjacent grade is 108.9 feet. All elevations shown hereon are NGVD 29 datum.

Sincerely,

L. Scott Britt
LS 5757

COOPER

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER Permit # 30859 CONTRACTOR Bryan Zecher Construction PHONE 386-752-8663

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

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

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

ELECTRICAL	Print Name _____ Signature _____ License #: _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ Signature _____ License #: _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ Signature _____ License #: _____ Phone #: _____
ROOFING	Print Name _____ Signature _____ License #: _____ Phone #: _____
SHEET METAL	Print Name _____ Signature _____ License #: _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ Signature _____ License#: LH 5-17-13 Phone #: _____
SOLAR	Print Name _____ Signature _____ License #: _____ Phone #: _____

RECEIVED

Specialty License	Lic. no. Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	0002560	RON DAVIS DRYWALL	
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

dc

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

1/4/12

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Lake City, FL **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	Thermo-Tru	Exterior Hinged doors	FL 5262-R2
2. Sliding	PGT	Sliding Glass Doors	FL 251-R15
3. Sectional	Clopay	Garage Doors	FL5675-R6
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	PGT	Window Low E	FL 236-R16
2. Horizontal Slider	PGT	Window Low E	FL 242-R12
3. Casement			
4. Double Hung			
5. Fixed	PGT	Window Low E	FL243-R10
6. Awning			
7. Pass –through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Certainteed	Cement Fibered Siding	FL1573-R2
2. Soffits	Kaycon	Alum soffit / Facia	FL 12198-R1
3. EIFS	Sto	Stucco/accucrete finish	FL7229-R1
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Certainteed	Arch Shingles 30yr	FL5444-R3
2. Underlayments	GAF	Tar paper	FL9637-R1
3. Roofing Fasteners	OMG	Roofing nails	FL699-R3
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			

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

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	USPC	anchors	FL5631-R1
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

Bryan Zuber
Print Name

Date

Location

wrightsoft

Project Summary
Entire House

Job:
Date: Mar 04, 2013
By:

Touchstone Heating and Air, Inc

P.O. Box 327, Lake Butler, Fl 32054 Phone: 3864963467 Fax: 3864963147 Email: rmtouchstone@hotmail.com

Project Information

For: Cooper, Bryan Zecher
Lake City, fla 32024

Notes:

Design Information

Weather: Gainesville Regional AP, FL, US

Winter Design Conditions

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

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	48 gr/lb

Heating Summary

Structure	39660 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	39660 Btuh

Sensible Cooling Equipment Load Sizing

Structure	27414 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	26619 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1858	1858
Volume (ft³)	13188	13188
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	84	44

Latent Cooling Equipment Load Sizing

Structure	24298 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	24298 Btuh
Equipment total load	50917 Btuh
Req. total capacity at 0.70 SHR	3.2 ton

Heating Equipment Summary

Make	YORK
Trade	YORK
Model	YHJD42S4
ARI ref no.	4454824

Efficiency	8.2 HSPF
Heating input	
Heating output	72 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	1400 cfm
Air flow factor	0.035 cfm/Btuh
Static pressure	5.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make	YORK
Trade	YORK
Cond	YHJD42S4
Coil	AHE48D3X
ARI ref no.	4454824

Efficiency	14 SEER
Sensible cooling	56 Btuh
Latent cooling	24 Btuh
Total cooling	80 Btuh
Actual air flow	1400 cfm
Air flow factor	0.051 cfm/Btuh
Static pressure	5.00 in H2O
Load sensible heat ratio	0.53

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

wrightsoft

Duct System Summary
Entire House
Touchstone Heating and Air, Inc

Job:
Date: Mar 04, 2013
By:

P.O. Box 327, Lake Butler, Fl 32054 Phone: 3864963467 Fax: 3864963147 Email: rmtouchstone@hotmail.com

Project Information

For: Cooper, Bryan Zecher
Lake City, fla 32024

	Heating	Cooling
External static pressure	5.00 in H2O	5.00 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	5.00 in H2O	5.00 in H2O
Supply / return available pressure	2.50 / 2.50 in H2O	2.50 / 2.50 in H2O
Lowest friction rate	0 in/100ft	0 in/100ft
Actual air flow	1400 cfm	1400 cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bath Room	c	714	15	36	0	0	0x0	ShMt	0	0	
Bed Room 1	c	1401	53	72	0	0	0x0	ShMt	0	0	
BedRoom 2	h	741	49	38	0	0	0x0	ShMt	0	0	
DEN	h	3036	191	155	0	0	0x0	ShMt	0	0	
Dinning	h	3877	203	198	0	0	0x0	ShMt	0	0	
Foyer	h	428	24	22	0	0	0x0	ShMt	0	0	
Great Room	c	2173	104	111	0	0	0x0	ShMt	0	0	
Great Room-A	c	2173	104	111	0	0	0x0	ShMt	0	0	
Kitchen	h	360	19	18	0	0	0x0	ShMt	0	0	
Master Bath	h	1928	106	98	0	0	0x0	ShMt	0	0	
Master Bedroom	c	2309	117	118	0	0	0x0	ShMt	0	0	
Master Bedroom-A	c	2309	117	118	0	0	0x0	ShMt	0	0	
Toilet	c	2635	76	135	0	0	0x0	ShMt	0	0	
Toilet Room	h	90	8	5	0	0	0x0	ShMt	0	0	
Utility	h	2129	139	109	0	0	0x0	ShMt	0	0	
Wic	h	1111	76	57	0	0	0x0	ShMt	0	0	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1400	1400	0	0	0	0	0x 0		ShMt	

FORM 405-10

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Cooper Residence	Builder Name:	Bryan Zecher Construction
Street:		Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32055-	Permit Number:	
Owner:	Cooper	Jurisdiction:	121000
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)	9. Wall Types (1962.0 sqft.)	Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	1710.00 ft²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	252.00 ft²
4. Number of Bedrooms	3	c. N/A	R=	ft²
5. Is this a worst case?	No	d. N/A	R=	ft²
6. Conditioned floor area above grade (ft²)	1904	10. Ceiling Types (1904.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft²)	0	a. Under Attic (Vented)	R=30.0	1904.00 ft²
7. Windows(248.1 sqft.) Description	Area	b. N/A	R=	ft²
a. U-Factor: Dbl, U=0.55	248.11 ft²	c. N/A	R=	ft²
SHGC: SHGC=0.50		11. Ducts	R	ft²
b. U-Factor: N/A	ft²	a. Sup: Attic, Ret: Attic, AH: Main	6	401
SHGC:				
c. U-Factor: N/A	ft²	12. Cooling systems	kBtu/hr	Efficiency
SHGC:		a. Central Unit	40.0	SEER:14.00
d. U-Factor: N/A	ft²			
SHGC:		13. Heating systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth:	4.982 ft.	a. Electric Heat Pump	35.0	HSPF:7.70
Area Weighted Average SHGC:	0.500			
8. Floor Types (1904.0 sqft.)	Insulation Area	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0 1904.00 ft²	a. Electric		Cap: 40 gallons
b. N/A	R= ft²			EF: 0.920
c. N/A	R= ft²	b. Conservation features		
		None		
		15. Credits		CF, Pstat

Glass/Floor Area: 0.130

Total Proposed Modified Loads: 33.50

Total Standard Reference Loads: 41.68

PASS

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

PREPARED BY: T. G. Zecher

DATE: 3/4/13

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

OWNER/AGENT: 3/5/13

DATE:

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

BUILDING OFFICIAL:

DATE:

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

- **Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist**

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

PROJECT

Title:	Cooper Residence	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1904	Lot #	30
Owner:	Cooper	Total Stories:	1	Block/SubDivision:	Pres Laurel Lks
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Bryan Zecher Construction	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:		County:	Columbia
Jurisdiction:	121000	Whole House Fan:		City, State, Zip:	Lake City , FL , 32055-
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	1904	17136

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1904	17136	Yes	2	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	Main	207 ft	0	1904 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
____	1	Hip	Composition shingles	2129 ft²	0 ft²	Medium	0.96	No	0.9	No	0	26.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1904 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	Main	30	1904 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	NW	Exterior	Frame - Wood	Main	13	33	0	9	0	297 ft²		0.23	0.75	0
____	2	NE	Exterior	Frame - Wood	Main	13	42	0	9	0	378 ft²		0.23	0.75	0
____	3	SE	Exterior	Frame - Wood	Main	13	53	0	9	0	477 ft²		0.23	0.75	0
____	4	SW	Exterior	Frame - Wood	Main	13	33	0	9	0	297 ft²		0.23	0.75	0
____	5	SE	Exterior	Frame - Wood	Main	13	29	0	9	0	261 ft²		0.23	0.75	0
____	6	NW	Garage	Frame - Wood	Main	13	28	0	9	0	252 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
____	1	NW	Insulated	Main	Metal	0.28	3	0	6	8	20 ft²
____	2	NW	Insulated	Main	Metal	0.28	3	0	6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	NW	1	Vinyl	Low-E Double	Yes	0.55	0.5	9.444444	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	2	NW	1	Vinyl	Low-E Double	Yes	0.55	0.5	30.22222	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	3	NW	1	Vinyl	Low-E Double	Yes	0.55	0.5	2.777777	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	4	NE	2	Vinyl	Low-E Double	Yes	0.55	0.5	6.111111	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	5	NE	2	Vinyl	Low-E Double	Yes	0.55	0.5	4.444444	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	6	SE	3	Vinyl	Low-E Double	Yes	0.55	0.5	60.44444	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	7	SE	3	Vinyl	Low-E Double	Yes	0.55	0.5	12.44444	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	8	SW	4	Vinyl	Low-E Double	Yes	0.55	0.5	12.44444	2 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	9	SE	5	Vinyl	Low-E Double	Yes	0.55	0.5	45.33333	6 ft 0 in	0 ft 4 in	Drapes/blinds	None
____	10	SE	5	Vinyl	Low-E Double	Yes	0.55	0.5	64.44444	10 ft 8 in	0 ft 4 in	Drapes/blinds	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
____	1	410 ft²	410 ft²	53 ft	9 ft	3

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0.000300	1498.2	82.252	154.68	0.2310	5.2460

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
____	1	Electric Heat Pump	None	HSPF: 7.7	35 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
____	1	Central Unit	Split	SEER: 14	40 kBtu/hr	1200 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	None	Garage	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
____	None	None			ft²		

DUCTS

√	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF	HVAC # Heat	Cool
____	1	Attic	6	401 ft²	Attic	95.2 ft²	Default Leakage	Main	(Default)	(Default) %			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

FORM 405-10

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS:	PERMIT #:
Lake City, FL, 32055-	

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	✓
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	✓
Ducts	403.2.2 403.3.3	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code. Building framing cavities shall not be used as supply ducts.	✓
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	✓
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	✓
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	N/A
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	✓
Ceilings/knee walls	405.2.1	R-19 space permitting.	✓

COOPER
STRUCTURAL PLANS

PRODUCT APPROVAL SPECIFICATION TABLE				
USED THIS PROJECT	CATAGORY / SUBCATAGORY	MANUFACTURER	PRODUCT DESCRPTION	FLORIDA APPROVAL NUMBERS
DOORS				
X	SWING	MASONITE INTERNATIONAL	METAL EDGE STEEL DOOR UNITS	19.1
WINDOWS				
X	VINYL SINGLE HUNG	SCHWINCO INDUSTRIES INC.	DOUBLE PANE	132.1
ROOFING				
X	ASPHALT SHINGLES	TAMKO BUILDING PRODUCTS	HERITAGE 30 AR	1956.3
X	ASPHALT UNDERLAYMENT	TAMKO BUILDING PRODUCTS	MASTER SMOOTH	1481.1
	METAL ROOFING	ASI BUILDING PRODUCTS	CMF EZLOCK 1.5	8695.1
STRUCTURAL COMPONANTS				
X	HOLD DOWN	SIMPSON STRONG-TIE	HD3B	12708
	COILED STRAP	SIMPSON STRONG-TIE	CS16	13872.1 / 10852.1
	STRAP TIE	SIMPSON STRONG-TIE	LSTA36	13872.4 / 10852.5
	STRAP TIE	SIMPSON STRONG-TIE	MSTC40	33872.8 / 10852.11
	STRAP TIE	SIMPSON STRONG-TIE	MSTCM40 / MSTCM60	11473.19
	STRAP TIE	SIMPSON STRONG-TIE	MTS12	13872.1 / 10456.33
	FACE MOUNT HANGER	SIMPSON STRONG-TIE	LUS210	10655.106
	FACE MOUNT HANGER	SIMPSON STRONG-TIE	LUS28	10655.113
	STUD PLATE TIES	SIMPSON STRONG-TIE	SP2	10456.42
	STUD PLATE TIES	SIMPSON STRONG-TIE	SP4	13872.18 / 10456.43
	STUD PLATE TIES	SIMPSON STRONG-TIE	SP6	13872.18 / 10456.44
	STUD PLATE TIES	SIMPSON STRONG-TIE	SPH4	10456.46
	STUD PLATE TIES	SIMPSON STRONG-TIE	SPH6	10456.47
X	HURRICANE TIES	SIMPSON STRONG-TIE	H2	10456.10
X	HURRICANE TIES	SIMPSON STRONG-TIE	H2.5	10456.11
X	HURRICANE TIES	SIMPSON STRONG-TIE	H2.5A	10456.12
X	HURRICANE TIES	SIMPSON STRONG-TIE	H10	10456.6
X	HURRICANE TIES	SIMPSON STRONG-TIE	LGT2 / LGT3-SDS2.5	11470.7
X	VALLEY TRUSS CLIP	SIMPSON STRONG-TIE	VTC2	10811.5
X	POST CAP	SIMPSON STRONG-TIE	AC4 / AC6 / ACE4 / ACE 6	10860.1
X	POST BASE	SIMPSON STRONG-TIE	ABU44 / ABU66 / ABU88	10849.6

APPLICABLE CODES

2010 FLORIDA RESIDENTIAL BUILDING CODE

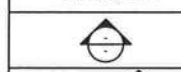
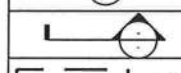
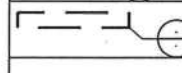
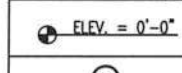
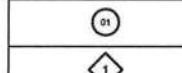
OCCUPANCY CLASS
RESIDENTIAL (R)

CONSTRUCTION DOCUMENTS
1. THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO YOUR SALES REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS
1. AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

BUILDING CRITERIA
CONSTRUCTION TYPE: VB (TABLE 503) UNPROTECTED – NON SPRINKLED
ALLOWABLE AREA: ..... 9000 S.F.
ACTUAL: ..... 803 S.F.
ALLOWABLE STORIES: 2
ACTUAL: 1

WIND DESIGN INFORMATION
WIND SPEED ..... 120 MPH
CATEGORY II
EXPOSURE ..... B
INTERNAL PRESSURE ..... +/- 0.18
CLADDING COMPONANTS
ZONE 1: 10 S.F. ..... 23.7/-25.9 PSF
ZONE 2: 10 S.F. ..... 23.7/-30.3 PSF
ZONE 3: 10 S.F. ..... 23.7/-30.3 PSF
ZONE 4: 10 S.F. ..... 25.9/-28.1 PSF
ZONE 5: 10 S.F. ..... 25.9/-34.7 PSF

LEGEND	
SYMBOL	DESCRIPTION
	ELEVATION MARK
	SECTION MARK
	DETAIL CALLOUT
 ELEV. = 0'-0"	ELEVATION INDICATOR
 01	DOOR TAG
 1	WINDOW TAG
ROOM 000	ROOM TAG
 1	REVISION CLOUD W/ TAG

DRAWING INDEX - BUILDING PACKAGE

SHEET #	SHEET TITLE	REV. #	REV. DATE
T-1.0	TITLE SHEET	0	03-04-2013
S-1.0	GENERAL NOTES	0	03-04-2013
S-2.0	FOUNDATION PLAN	0	03-04-2013
S-3.0	ROOF FRAMING PLAN	0	03-04-2013
S-3.1	ROOF FASTENER PLAN	0	03-04-2013
S-4.0	SECTIONS	0	03-04-2013
S-5.0	DETAILS	0	03-04-2013

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-6133
GARY J. GILL PE 51942
STRUCTURAL/CIVIL ENGINEERS AUTH. # 9461

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

TITLE SHEET

PROJECT NUMBER: PF13-010
DRAWN BY: F. VULETICH
CHECKED BY: G.J.G.

T-1.0

SHEET 1 OF 7

3/8/13

DESIGN CRITERIA

DESIGN PER 2010 FLORIDA BUILDING CODE

LIVE LOADS:

1. ROOFS AND CANOPIES:
   - 0 TO 200 SF 16PSF
   - 201 TO 600 SF 14PSF
   - OVER 600 SF 12PSF
   - STAIRS 100PSF
   - FLOORS 50PSF
   - CORRIDORS 80PSF
   - LOBBIES 80PSF
   - BALCONIES 60PSF
   - PARTITION LOAD (DEAD LOAD) 20PSF
2. THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT RESISTANT GLAZING IS NOT REQUIRED.

CONCRETE

1. ALL CONCRETE DESIGNED PER CURRENT EDITION OF ACI 318
2. ALL CONCRETE SHALL BE CONTROLLED CONCRETE.
3. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
   - A. FOUNDATION WALLS, PIERS AND FOOTINGS ..... 3000 PSI
   - B. SLABS ON GRADE ..... 3000 PSI
   - C. ALL OTHER CONCRETE ..... 3000 PSI
4. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A NOMINAL AIR DRY DENSITY OF 145 PCF.
5. PROVIDE CONSTRUCTION JOINTS WHERE SHOWN. OMIT NONE AND ADD NON WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER. SUBMI DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL PRIOR TO PREPERATION OF AFFECTED REINFORCEMENT SHOP DRAWINGS.
6. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HRS.
7. CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR ARCHITECT /ENGINEER REVIEW 30 DAYS PRIOR TO PLACEMENT OF CONCRETE.
8. ALL REINFORCING STEEL ASTM A615 GRADE 60, ALL WELDED WIRE FABRIC ASTM A185

REINFORCING

1. ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM 615 GRADE 60
2. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.
3. CLEARANCE OF MAIN REINFORCEMENT FROM ADJACENT SURFACES SHALL CONFORM TO THE FOLLOWING (UNLESS OTHERWISE SHOWN IN DETAIL)
   - A. UNFORMED SURFACES IN CONTACT WITH GROUND (FOOTING OR WALL BOTTOM) ..... 3"
   - B. SLABS ON GRADE ..... 2 1/2"
   - C. FORMED SURFACE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER (WALLS, PIERS) ..... 2"
   - D. IN ALL CASES, CLEARANCE NOT LESS THAN DIAMETER OF BARS. NOTE MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE + 1/4" FOR SECTIONS 10" OR LESS AND + 1/2" FOR SECTIONS OVER 10" THICK.
4. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON DRAWINGS.
5. WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS, AS DETERMINED BY THE ARCHITECT/ENGINEER, IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY APPLICABLE CODES.
6. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315)
7. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT/ENGINEER OR OWNER TESTING AGENCY BEFORE CONCRETE IS PLACED.
8. WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, LAPPED AT NECESSARY SPLICES AND HOOKED AT DISCONTINUOUS ENDS.
9. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH PANEL OR 6" MINIMUM.
10. ALL REINFORCING SPLICES SHALL CONFORM TO THE TABLE(S) PRVIDED IN THE GENERAL NOTES FOR STRENGTH OF CONCRETE BUT IN NO CASE LESS THAN THE REQUIRENMENTS OF THE LATEST EDITION OF ACI-318.
11. SLABS AND WALLS SHALL NOT BE SLEEVED OR BOXED OUT OR HAVE THEIR REINFORCING INTERUPTED EXCEPT AS SPECIFICALLY NOTED ON THE DRAWINGS. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENINGS AS SHOWN IN THE DETAILS.
12. SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OF REINFORCING. DRAWINGS SHALL SHOW REINFORCING DETAILS, INCLUDING SIZE AND SPACING OF BARS AND SUPPORT DETAILS. SHOP DRAWINGS SHALL INDICATE CONSTRUCTION JOINTS, CURBS, DEPRESSIONS, SLEEVES AND OPENINGS, ETC. WITH ALL ADDITIONAL REINFORCING REQUIRED.
13. BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSE SURFACES SHALL BE GALVANIZED AND PLASTIC TIPPED.

SLAB AND WALL REINFORCING LAP SPLICE LENGTHS

LAP SPLICE LENGTHS FOR REINFRCING IN **4000 PSI CONCRETE** ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
3	21	15	13
4	29	20	17
5	35	25	21
6	43	31	25
7	54	39	32
8	71	51	42

LAP SPLICE LENGTHS FOR REINFORCING IN **3000 PSI CONCRETE** ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
3	21	15	13
4	29	20	17
5	35	25	21
6	46	33	27
7	63	45	37
8	82	59	49

NOTES:

1. LAPPED SPLICE LENGTHS BASED ON ASTM A-615, GADE 60, REBAR
2. REINFORCING BARS ARE CLASSIFIED AS TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR.
3. COMPRESSION SPLICES PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED ON THE DRAWINGS, DETAILS OR SCHEDULS.
4. TENSION SPLICES SHALL BE USED IN ALL BEAMS, SLABS AND WALLS UNLESS OTHERWISE NOTED
5. WHEN LAPPING LARGER BAR WITH SMALLER BAR, LAP LENGTH FOR SMALLER BAR SHALL GOVERN RESPECTIVE SPLICE.
6. SPLICE CONTINUOUS TOP REINFORCING BARS AT CENTER OF CLEAR SPAN WITH COMPRESSION SPLICES.
7. SPLICE CONTINUOUS BOTTOM REINFORCING BARS AT CENTER OF SUPPORTING ELEMENT WITH COMPRESSION SPLICES
8. ALL SPLICE LENGTHS NOTED IN INCHES

FOUNDATIONS

1. ALL FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE OWNERS SOIL TESTING AGENCY BEFORE ANY CONCRETE IS PLACED.
2. ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATION OF BACKFILLING AND COMPACTION BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS ARE EFFECTIVE. BACKFILL NO FOUNDATION WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF ADEQUATE STRENGTH TO WITHSTAND THE APPLIED LATERAL PRESSURES.
3. LOCATE ALL EXISTING BELOW GRADE UTILITIES, PROVIDE UTILITIES WITH POSITIVE PROTECTION AGAINST DAMAGE DUE TO SETTLEMENT AND CONSTRUCTION OPERATIONS.
4. ALL FOOTING SUBGRADES, AS REQUIRED, AND ALL SLAB SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT BASED ON LABORATORY DESIGNATION ASTM D1557.
5. COMBINED AND INDIVIDUAL FOOTINGS AR DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2,000 PSF. CONTINUOUS FOOTINGS ARE DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF.

FLOOR SLABS

1. FLOOR SLABS SHALL BE SUPPORTED ON AT LEAST 4" OF RELATIVELY CLEAN GRANULAR MATERIAL SUCH AS SAND, SAND AND GRAVEL, OR CRUSHED STONE . GRANULAR MATERIAL SHALL HAVE 100% PASSING THE 1 1/2" SIEVE AND A MAXIMUM OF 10% PASSING THE NO. 200 SIEVE.
2. STRUCTURAL FILL SHALL BE PLACED IN THIN LOOSE LIFTS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED WITH A HEAVY ROLLER. EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH THE LABORATORY ROLLER TO PROVIDE DENSITIES TO AT LEAST 95% OFTHE PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). STRUCTURAL FILL SHALL CONSIST OF AN INORGANIC, NON-PLASTIC, GRANULAR SOIL CONTAINING LESS THAN 10% MATERIAL PASSING THE 200 MESH SIEVE

SUPPLEMENTARY NOTES

1. ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS.
2. TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.
3. PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.
4. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS. ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.
5. EMBEDMENT FOR EXPANSION BOLTS SHALL BE 6" MINIMUM FOR ½" BOLTS IN CONCRETE, 5 ½" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL. EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI: (HILTI RE500, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UON. EMBEDMENT SHALL BE 12 BAR DIAMETERS MINIMUM, UON. HOLES SHALL BE ½" LARGER THAN REBAR SIZE, AND ½" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.
6. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT. GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBE STAMPED" SHALL BE RETURNED WITHOUT REVIEW.
7. CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

TERMITE PROTECTION NOTES:

1. SOIL CHEMICAL BARREIER METHOD:
   A PERMANNENT SIGN THAT IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHAL L BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLERS SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS, FBC 1503.4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN ⅛" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1816.1.1
4. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
5. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
6. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ILMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
7. MINIMUM 6 MIL VAPOR RETATRDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
8. CONCRTE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC, 1816.1.5
9. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
10. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1916.1.6
11. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. FBC 1816.1.6
12. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLTE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES", FBC 1816.1.7
13. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 503.1.3
14. NO WOOD, VEGETATION , STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 3203.1.4

ROUGH CARPENTRY

GENERAL

1. COMPLY WITH THE MOST CURRENT ADDITION OF THE "AFPA NATIONAL DESIGN SPECIIFICATION FOR WOOD CONSTRUCTION MANUAL" AND THE MOST CURRENT ADDITION OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION "TIMBER CONSTRUCTION MANUAL"
2. PROVIDE NEW LUMBER AND PLYWOOD WITH GRADE WHICH INDICATES SPECIES, MILL NUMBER, MOISTURE CONTENT WHEN SURFACED. AND GRADE RO STRESS RATING STAMPS FROM THE ASSOCIATIONS HAVING JURISDICTION.
3. FASTEN STUDS AND RAFTERS WITH WIND TIES/CLIPS: JOISTS AND RAFTERS TO SIDE OF BEAMS WITH HANGERS, AND SHEAR WALLS WITH HOLD-DOWNS USING PROPRIETARY STEEL CONNECTORS.
4. PRESSURE TREAT ALL STRUCTURAL LUMBER IN COMPLIANCE WITH SPECIFICATIONS.
5. PROVIDE HOT DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS AND HARDWARE CONNCTORS AT PRESSURE TREATED STRUCTURAL LUMBER.
6. PROVIDE WOOD HARDWARE CONNECTORS AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY INC."

WALL CONSTRUCTION

1. PROVIDE SOUTHERN PINE GRADE KILN-DRIED STUDS WITH MAXIMUM MOISTURE CONTENT OF 15% AT TIME OF DRESSING.
2. FRAME INTERIOR WALLS WITH 2"X4" STUDS @ 16" O.C. AND EXTERIOR WALLS WITH 2"X4" @ 16" O.C. FOR HEIGHTS UNDER 10'-0"
3. PROVIDE SOLID WALL BRIDGING SPACED AT 4'-0" VERTICALLY.
4. VERTICALLY ALIGN STUDS AND OPENINGS IN BEARING WALLS UNLESS SPECIAL FRAMING IS PROVIDED.
5. FORM CORNERS WITH A MINIMUM OF 3 STUDS SPIKED TOGETHER.
6. PROVIDE SINGLE BOTTOM SHOE AND DOUBLE TOP PLATE IN ALL BEARING WALLS. OFFSET TOP PLATES A MINIMUM OF 4'-0". TIE SHOE AND TOP PLATE BUTT JOINTS TOGETHER WITH METAL PLATES. ANCHOR SILLS WITH 5/8"Ø BOLTS EMBEDDED 8" AND SPACED NO MORE THAN 4'-0" APART AND LOCATED AT CORNERS AND 12" FROM OPENINGS AND ENDS OF WALLS.
7. FABRICATE BUIT-UP POSTS AS FOLLOWS:
   - A. (2) 2"X4"S FASTENED WITH ONE ROW OF STAGGERED 10d NAILS @6"
   - B. (3) 2"X4"S FASTENED WITH ONE ROW OF STAGGERED 30d NAILS @ 8"
   - C. (3) 2"X6"S FASTENED WITH TWO ROWS OF 30d NAILS

FLOOR AND ROOF CONSTRUCTION

1. PROVIDE SOUTHERN PINE NO. 2 OR BETTER LUMBER FOR JOISTS AND RAFTERS SURFACED DRY WITH MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF DRESSING.
2. LOCATE JOISTS AND RAFTERS DIRECTLY OVER WALL STUDS.
3. PROVIDE DOUBLE JOIST UNDER WALL PARALLEL TO JOISTS.
4. NOTCHES IN JOISTS SHALL NOT EXCEED 1/6 OF THE JOIST DEPTH AND SHALL NOT BE IN THE MIDDLE THIRD OF THE SPAN. BORED HOLES SHALL NOT BE WITHIN 2" OF JOIST EDGES AND SHALL NOT EXCEED 1/3 OF THE DEPTH OF THE JOIST.
5. INSTALL ONE LINE OF 1"X3" CROSS BRIDGING FOR EACH 8'-0" OF FLOOR FRAMING. INSTALL 2" SOLID BLOCKING BETWEEN JOISTS OVER ALL BEAMS OR OTHER SUPPORTING MEMBERS.
6. PROVIDE 5/8" APA STRUCTURAL 1 RATED PLYWOOD SHEATHING EXTERIOR EXPOSURE FOR SUBFLOORS AND COVER WITH 5/8" TONGUE AND GROOVE, INTERIOR TYPE WITH EXTERIOR GLUE, UNDERLAYMENT GRADE PLYWOOD.

STRUCTURAL GLUE LAMINATED TIMBER

1. PROVIDE GLUED LAMINATED TIMBER DESIGNED, FABRICATED, AND INSTALLED ACCORDING TO THE MOST CURRENT COPY OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION "TIMBER CONSTRUCTION MANUAL"
2. SUBMIT SHOP DRAWINGS TO THE ARCHITECT SHOWING ERECTION PLANS, FABRICATED ASSEMBLIES, AND ACCESSORIES, SHOW MEMBER DESIGNATIONS, SIZES AND CONNECTIONS. SUBMIT DESIGN CALCULATIONS PREPARED BY A LICENSED ENGINEER INDICATING STRENGTHS, STABILITY, AND SERVICEABILITY OF MEMBERS AND CONNCTIONS.
3. USE ADHESIVES THAT COMPLY WITH AITC-A190.1-1992 AND MEET WET CONDITION OF SERVICE.
4. APPLY CLEAR SEALER TO THE ENDS OF MEMBERS RIGHT AFTER TRIMMING. SEALSURFACES OF MEMBERS WITH PENETRATING SEALER AS APPROVED BY THE ARCHITECT. INDIVIDUALLY WRAP MEMBERS WITH PLASTIC FOR TEMPORARY PROTECTION.
5. PROTECT TIMBERS FROM THE EFFECTS OF MOISTURE DURING STORAGE.

ENGINEERED STRUCTURAL WOOD

1. PROVIDE LAMINATED VENEER LUMBER (LVL) AND PARALLEL STRAND LUMBER (PSL) MADE UNDER PROCESSES APPROVED BY THE NATIONAL RESEARCH BOARD. COMPLY WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION "TIMBER CONSTRUCTION MANUAL" FOR THE DESIGN, FABRICATION AND CONSTRUCTION OF ENGINEERED STRUCTURAL WOOD.
2. PROVIDE LVL LUMBER HAVING THE FOLLOWING GRADE AND DESIGN VALUES: GRADE= 1.9E: FLEXURAL STRESS (Fb) = 2,600 PSI: MODULUS OF ELASTICITY (E) = 1,900,000 PSI SHEAR MODULUS OF ELASTICITY (G) = 118,750 PSI AND HORIZONTAL SHEAR STRESS (Fv) = 290 PSI.
3. PROVIDE LVL LUMBER HAVING THE FOLLOWING GRADE AND DESIGN VALUES: GRADE= 2.0E: FLEXURAL STRESS (Fb) = 2,900 PSI: MODULUS OF ELASTICITY (E) = 2,000,000 PSI SHEAR MODULUS OF ELASTICITY (G) = 125,000 PSI AND HORIZONTAL SHEAR STRESS (Fv) = 290 PSI.
4. NAIL EACH LAYER OF MULTIPLE LVL MEMBERS TOGETHER WITH (3) 16d NAILS PER FOOT.

PREFABRICATED TRUSSES

1. DESIGN, FABRICATE, AND INSTALL METAL PLATE-CONNECTED TRUSSES MEETING TRUSS PLATE INSTITUTE TPI 1-1995 AND THE MOST CURRENT COPY OF THE AMERICAN FOREST AND PAPER ASSOCIATION "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
2. SUBMIT SHOP DRAWINGS TO THE ARCHITECT SHOWING ERECTION PLAN FABRICATED ASSEMBLIES, AND ACCESSORIES, SHOW MEMBER DESIGNATIONS SIZES AND CONNECTIONS. SUBMIT DESIGN CALCULATIONS PREPARED BY A LICENSED ENGINEER INDICATING STRENGTHS, STABILITY, AND SERVICEABILITY OF MEMBERS AND CONNCTIONS.
3. PROVIDE KILN-DRIED LUMBER MEETING OR EXCEEDING THE FOLLOWING DESIGN VALUES: Fb = 1,400 PSI: Ft = 925 PSI: Fc = 1,500 PSI: AND E = 1,600,000 PSI. APPLY DESIGN ADJUSTMENT FACTORS ACCORDING TO NDS.
4. BRACE ROOF TRUSSES TO PROVIDE STABILITY DURING AND AFTER CONSTRUCTION .

3/18/13

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-6133
GARY J. GILL PE 51942
AUTH. # 9461
STRUCTURAL/CIVIL ENGINEERS

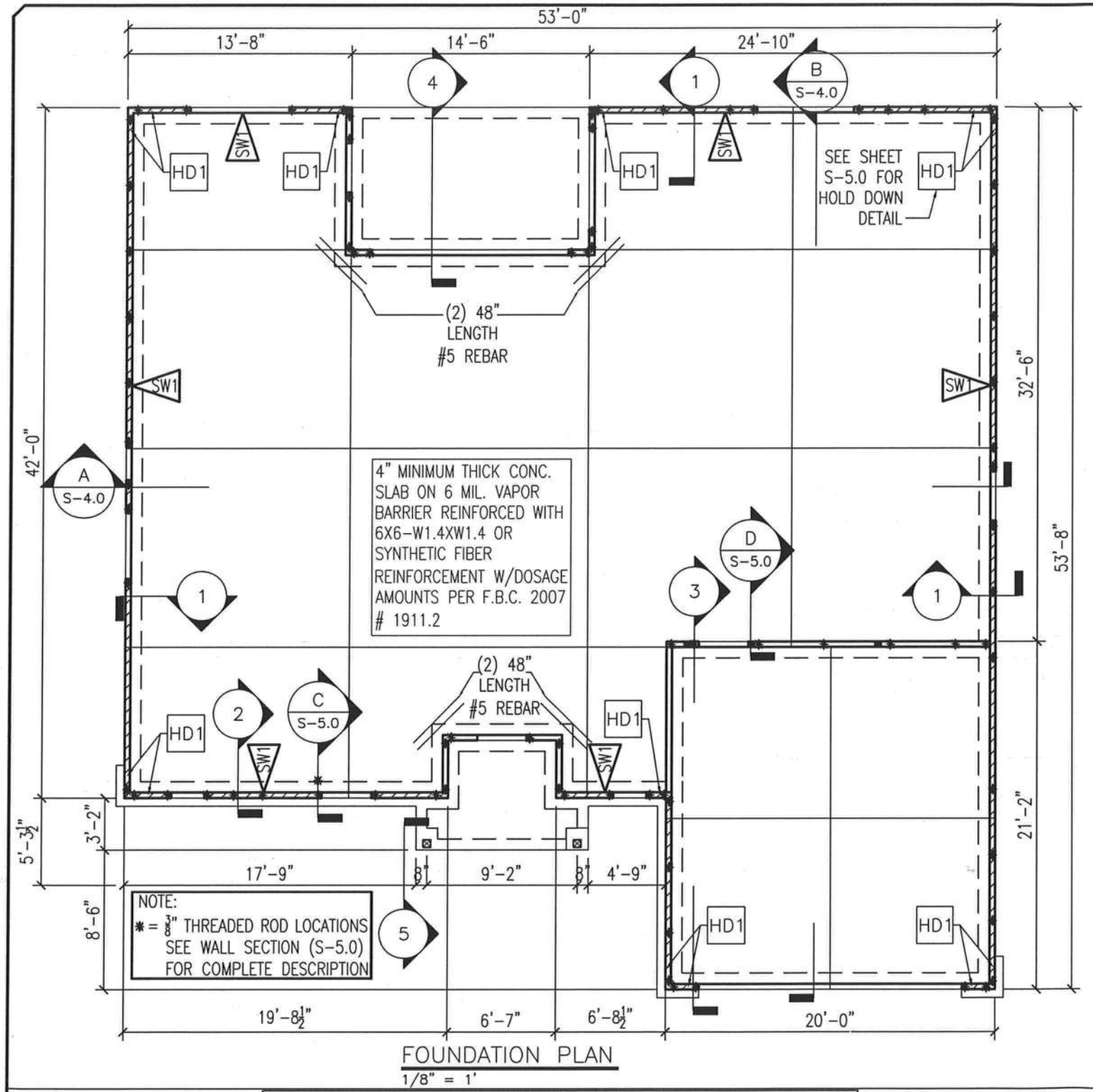
COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

GENERAL NOTES

PROJECT NUMBER: PF13-010
DRAWN BY: F. VULETICH
CHECKED BY: G.J.G.

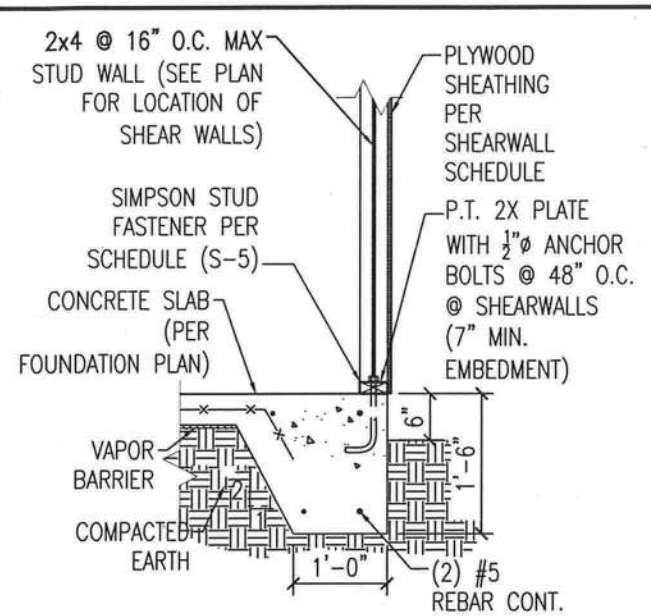
S-1.0

SHEET 2 OF 7

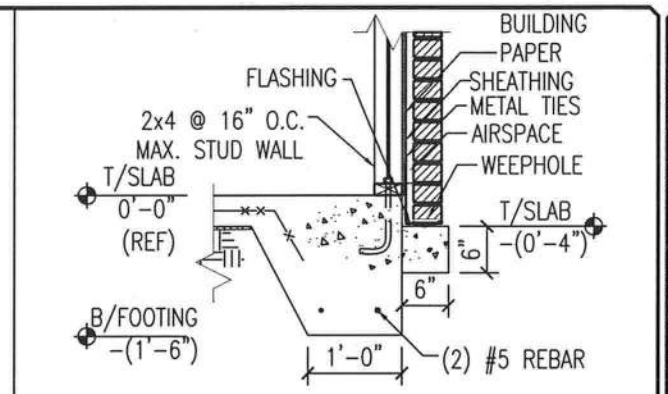


FOUNDATION PLAN
1/8" = 1'

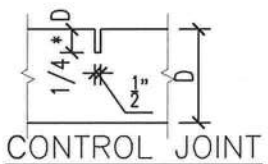
SHEARWALL SCHEDULE				
MARK	SHEATHING	NAILING PATTERN	HOLDOWN REQUIREMENT	ANCHOR BOLTS SPACING
SW1	15/32" PLYWOOD OR 9'X4' 7/16" OSB	8d NAILS @ 4" O.C. EDGES AND 8" O.C. FIELD	SIMPSON HD3B @ EA. END OF SHEAR	½"ø @ 48" O.C.



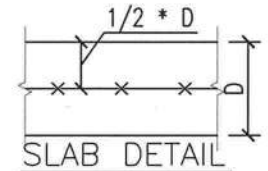
1 SECTION
1/2" = 1'



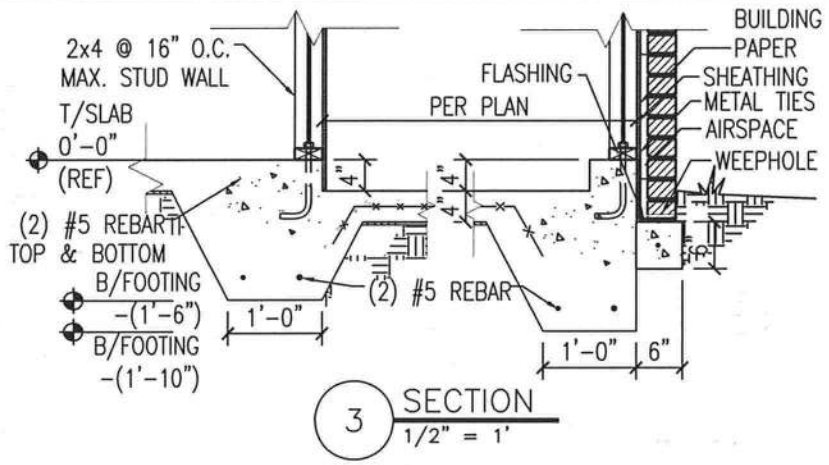
2 SECTION
1/2" = 1'



CONTROL JOINT
1 1/2" = 1'



SLAB DETAIL
1 1/2" = 1'



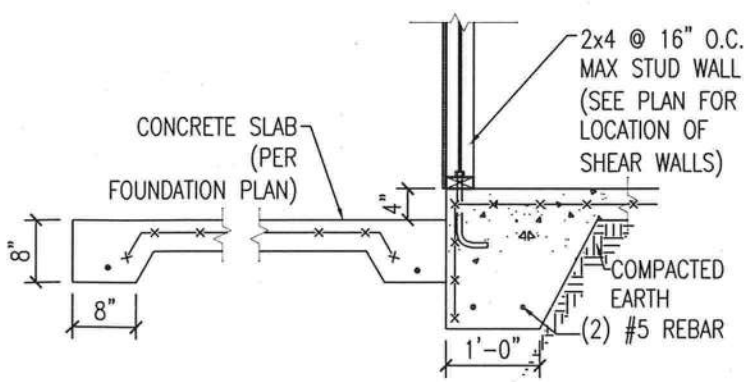
3 SECTION
1/2" = 1'

*NOTES:

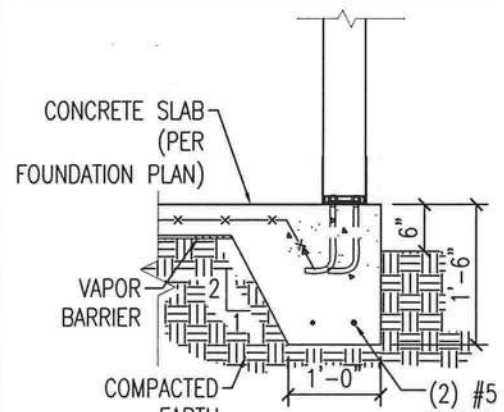
(1) HD1 = SIMPSON STRONG-TIE HD3B (SEE SHEET S-5.0 FOR DETAIL)

(2) CONTRACTOR SHALL VERIFY ALL FOUNDATION DIMENSIONS PRIOR TO CONSTRUCTION. IF A DIMENSION CONFLICT OCCURS BETWEEN FLOOR PLAN AND THE FOUNDATION PLAN, FLOOR PLAN SHALL CONTROL.

(3) ADDED FILL SHALL BE APPLIED IN 8" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.



4 SECTION
1/2" = 1'



5 SECTION
1/2" = 1'

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-6133
GARY J. GILL PE 51942
AUTH. # 9461
STRUCTURAL/CIVIL ENGINEERS

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

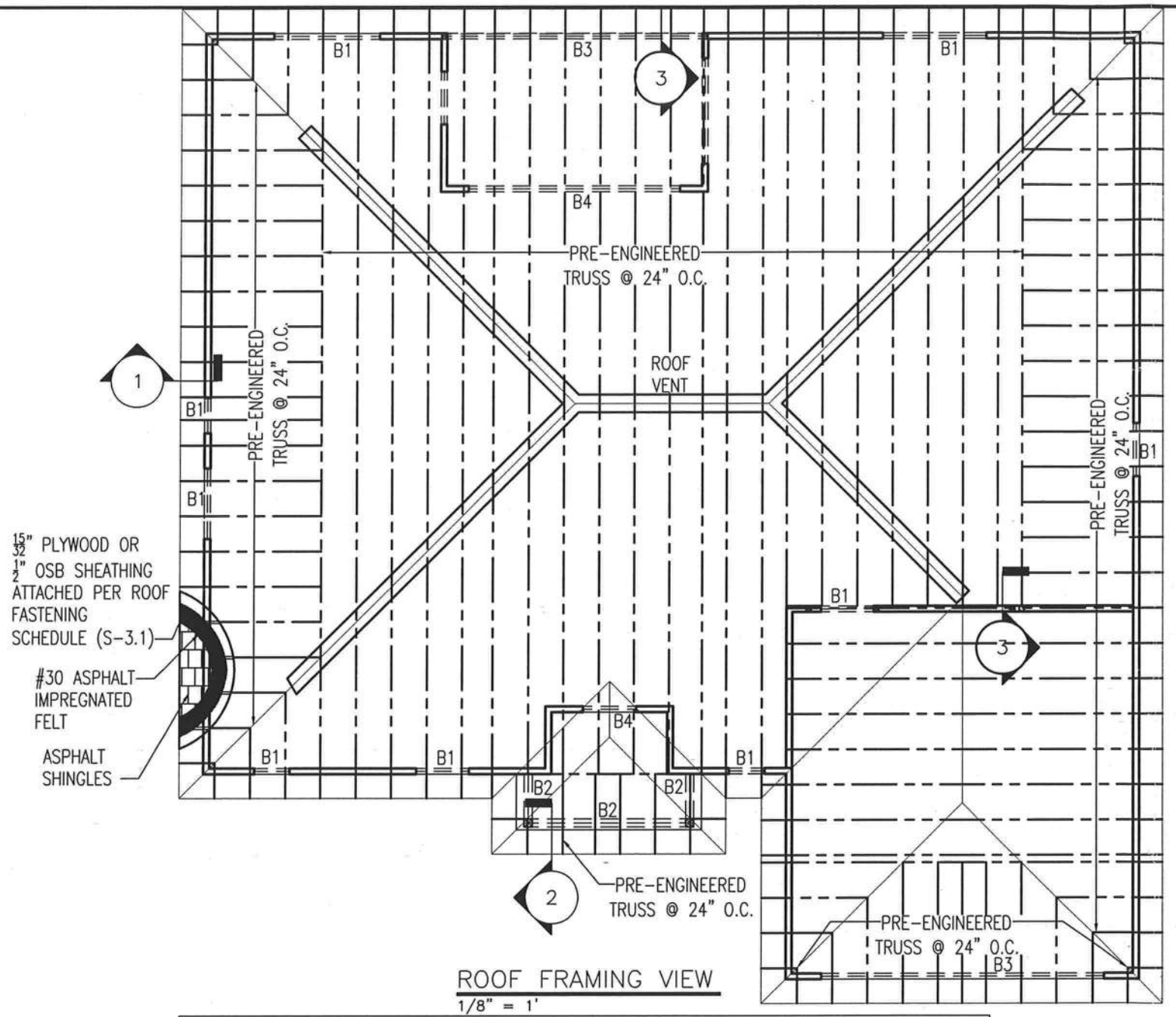
FOUNDATION PLAN

PROJECT NUMBER: PF13-010
DRAWN BY: F. VULETICH
CHECKED BY: G.J.G.

S-2.0

SHEET 3 OF 7

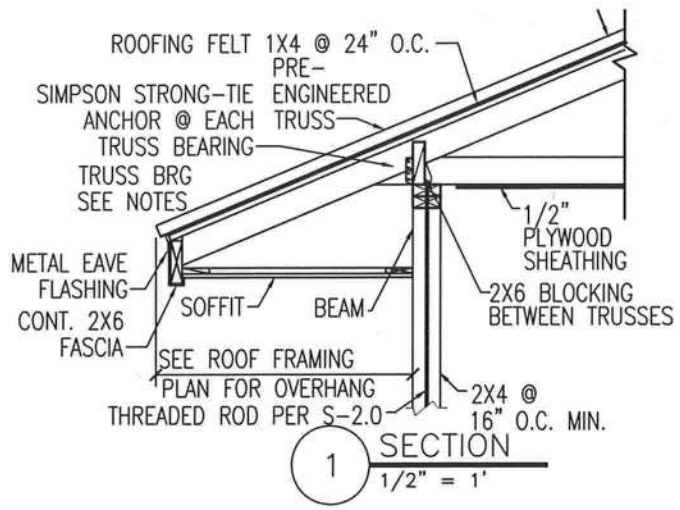
3/8/13



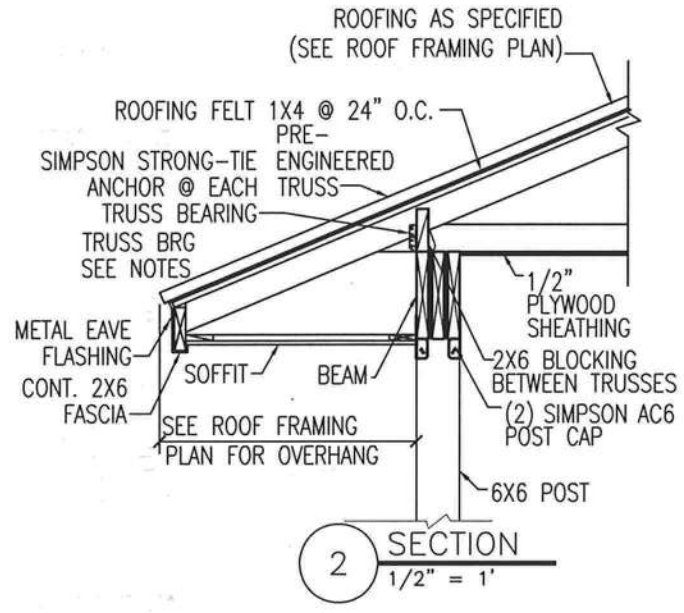
ROOF FRAMING VIEW
1/8" = 1'

BEAM SCHEDULE		
SYMBOL	MARK	DESCRIPTION
	B1	(2) 2"X10" W/ 1/2" PLYWOOD FILLER
	B2	(3) 2"X10" W/ 1/2" PLYWOOD FILLER
	B3	(2) 1 3/4" X 11 7/8" LVL
	B4	(2) 2"X8" W/ 1/2" PLYWOOD FILLER

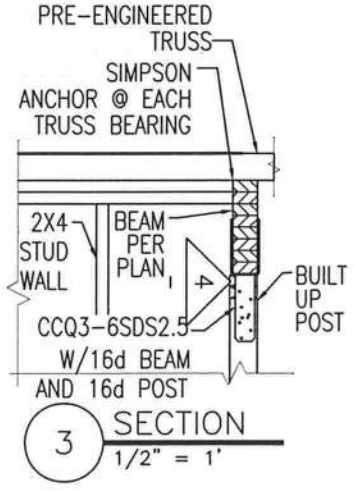
NOTES:
(1) TYPICAL ROOF TRUSS BEARING 9'-0"
(2) SLOPED ROOF SHEATHING SHALL BE 15/32" CDX PLYWOOD OR 1/2" OSB NAILED PER ROOF FASTENING SCHEDULE
(3) COORDINATE LOCATION OF ALL DOORS AND WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
(4) 906 SQUARE INCHES (TOTAL) OF VENTILATION REQUIRED W/ 60% FROM ATTIC VENT AND THE REMAINDER FROM SOFFIT VENTS



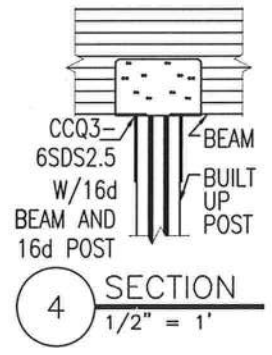
1 SECTION
1/2" = 1'



2 SECTION
1/2" = 1'



3 SECTION
1/2" = 1'



4 SECTION
1/2" = 1'

TRUSS FASTENER SCHEDULE						
LOCATION	PLY	UPLIFT	FASTENER		NAILS REQUIRED	
			QUANT.	ITEM #	TRUSS	PLATE
ROOF TRUSS	1	<415 #	1	H2.5	(5) 8d	(5) 8d
	1	<905 #	1	H10	(8) 8dX1 1/2	(8) 8dX1 1/2
	1	<1200 #	2	H2.5	(10) 8d	(10) 8d
	2	<870 #	1	H10S	(8) 8dX1 1/2	(8) 8dX1 1/2
	2	<2150 #	1	LGT2	(14) 16d SINKERS	(16) 16d SINKERS
	3	<3685 #	1	LGT3-SDS2.5	(26) 16d SINKERS	(12) SDS 1/4"X2 1/2"

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-5133
GARY J. GILL PE 51942
AUTH. # 9461
STRUCTURAL/CIVIL ENGINEERS

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

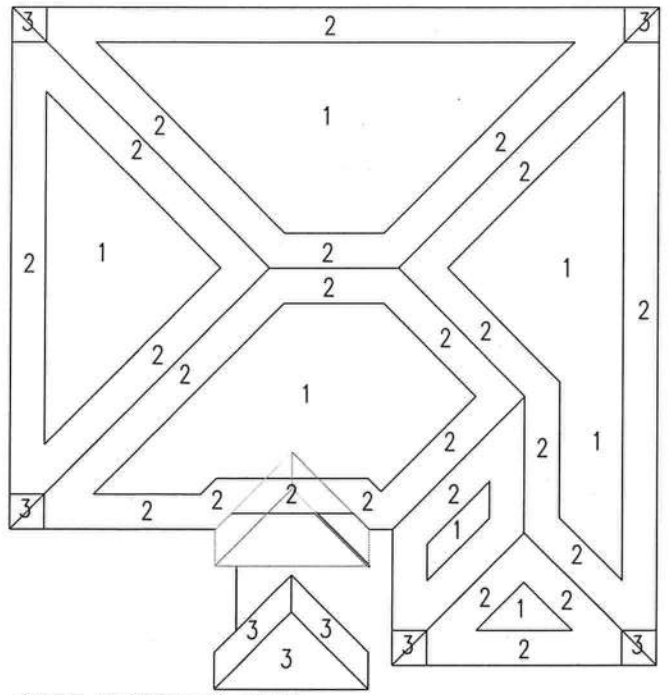
ROOF FRAMING PLAN

PROJECT NUMBER PF13-010
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

S-3.0

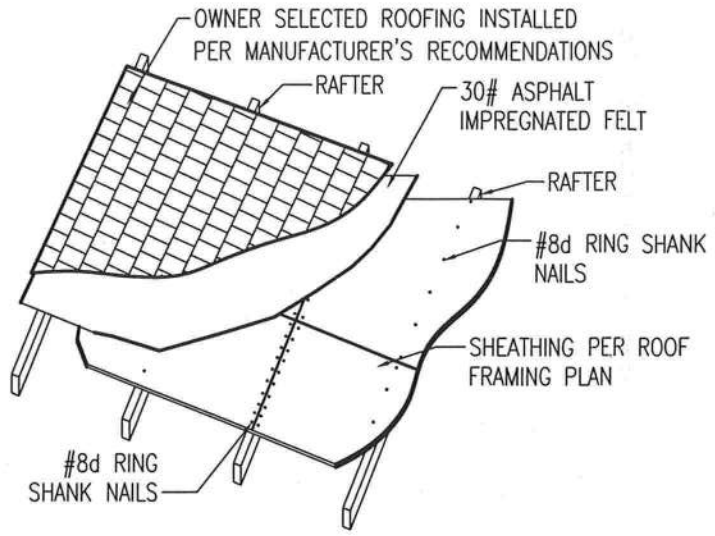
SHEET 4 OF 7

3/6/13

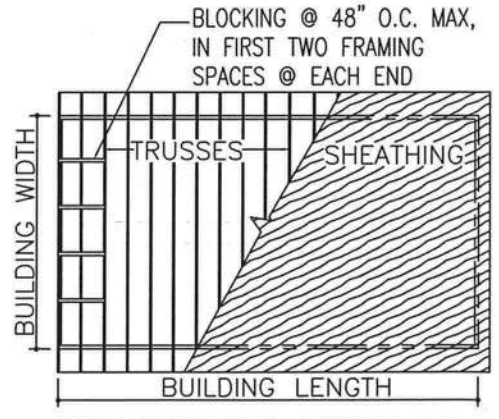


ROOF FASTENING PLAN
1/16" = 1'

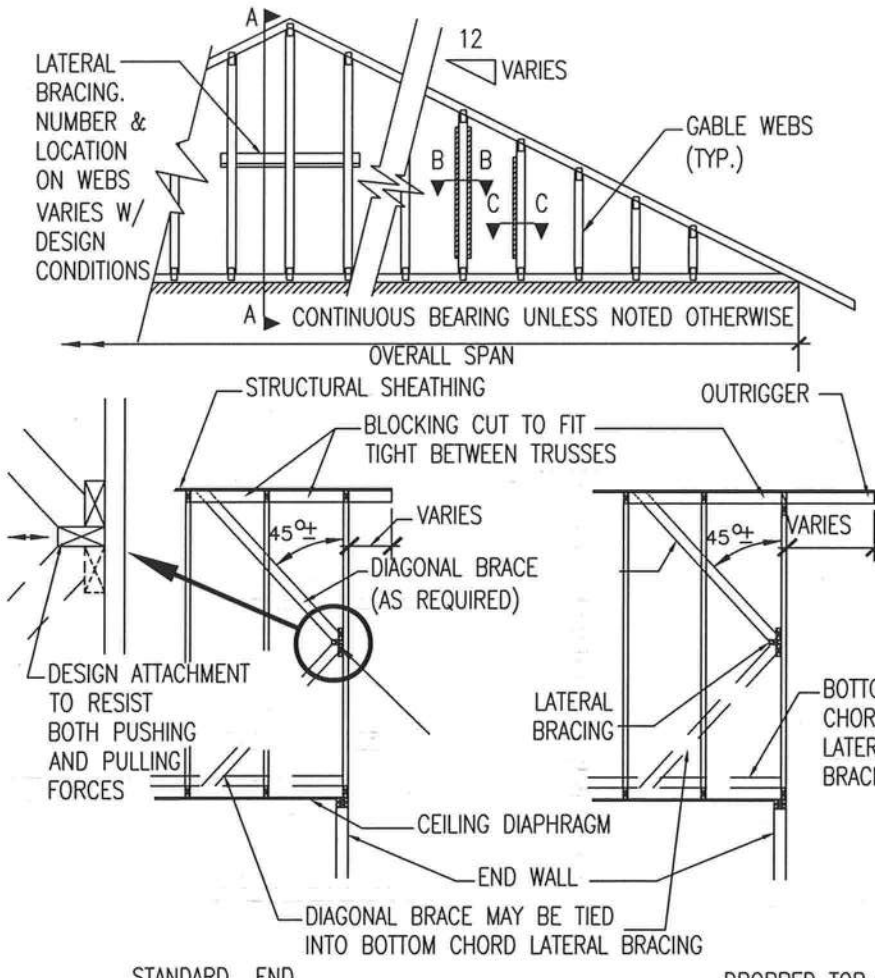
ROOF FASTENING ZONES						
WIND VELOCITY (3 SECOND GUST) 120 MPH	PANEL LOCATION	MAIN ROOF			OVERHANG	
		1	2	3	2	3
	FASTENING SCHEDULE (INCHES ON CENTER)					
	SUPPORTED PANEL ENDS	6	6	6	6	6
	PANEL EDGES	6	6	6	6	6
	PANEL FIELD	12	6	4	6	4

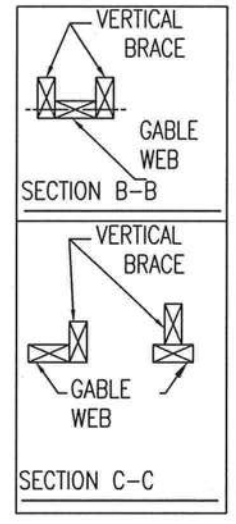


ROOFING & SHEATHING CONNECTIONS TO TRUSSES

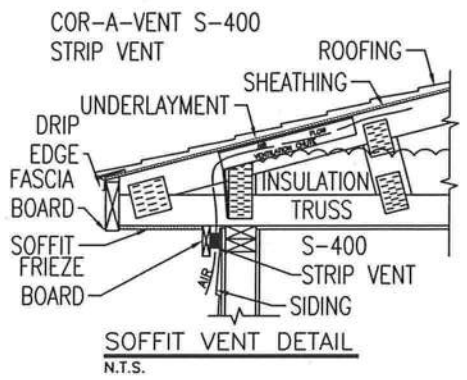


ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

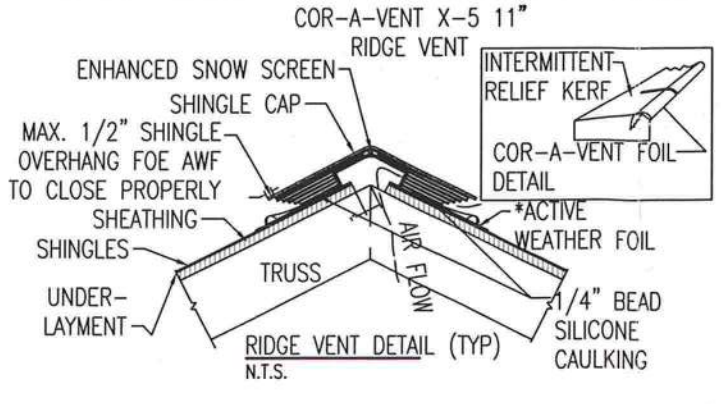




NOTES:
1. ACTUAL BRACING REQUIREMENTS WILL VARY DUE TO WIND LOAD, CODE CRITERIA BUILDING HEIGHT, TRUSS SPAN, WEB LUMBER (GRADE AND SPECIES), ON CENTER SPACING, AND OTHER VARIABLES. BRACING AND ATTACHEMENT REQUIREMENTS SHOULD BE DESIGNED FOR EACH SPECIFIC JOB.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF TEMPORARY AND PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.



SOFFIT VENT DETAIL
N.T.S.



RIDGE VENT DETAIL (TYP)
N.T.S.

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-5133
GARY J. GILL PE 51942
STRUCTURAL ENGINEERS AUTH. " 9461

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

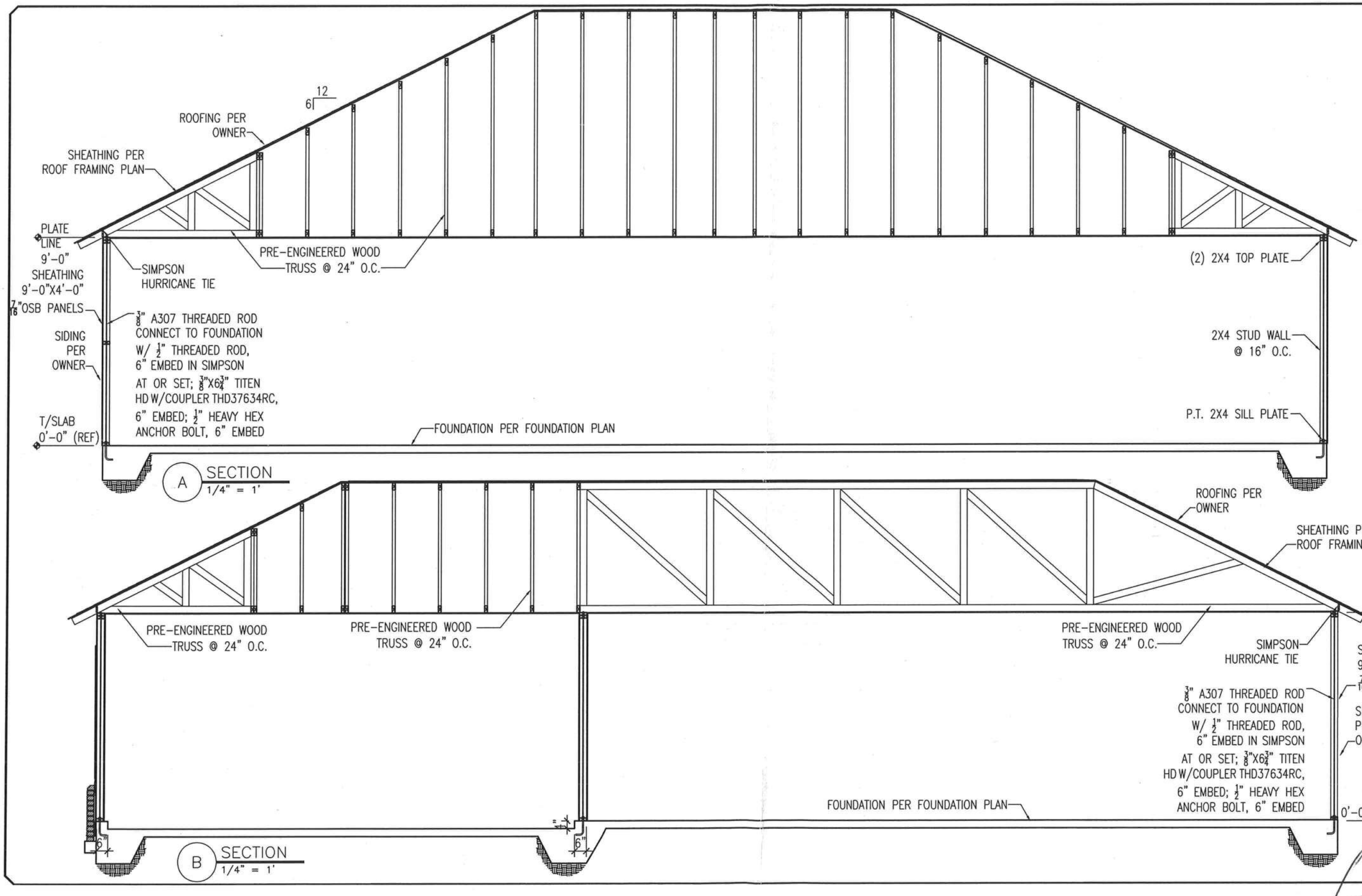
ROOF FASTENER PLAN

PROJECT NUMBER PF13-010
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

S-3.1

SHEET 5 OF 7

3/8/13



REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-8133
GARY J. GILL PE 51942
STRUCTURAL/CIVIL ENGINEERS AUTH. # 9461

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

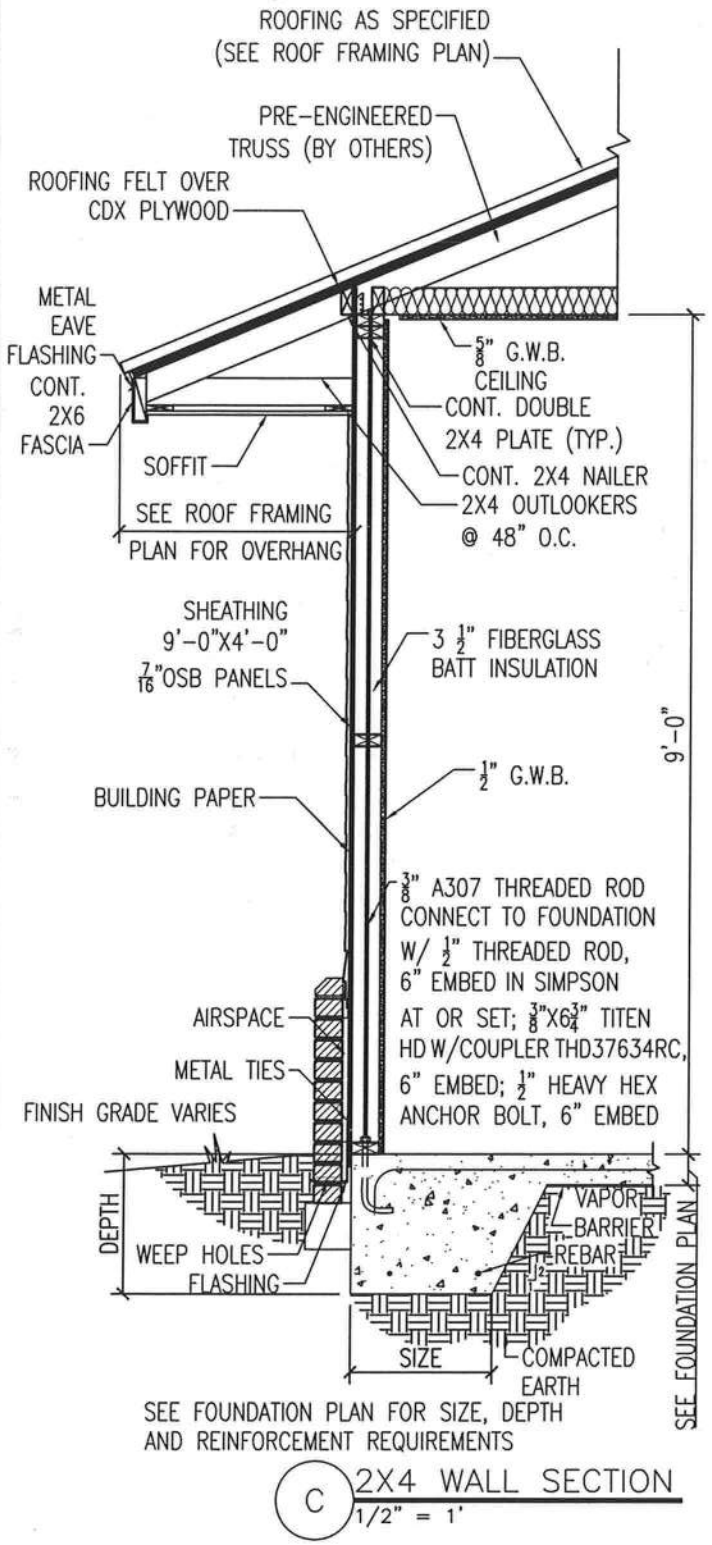
SECTIONS

PROJECT NUMBER PF13-010
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

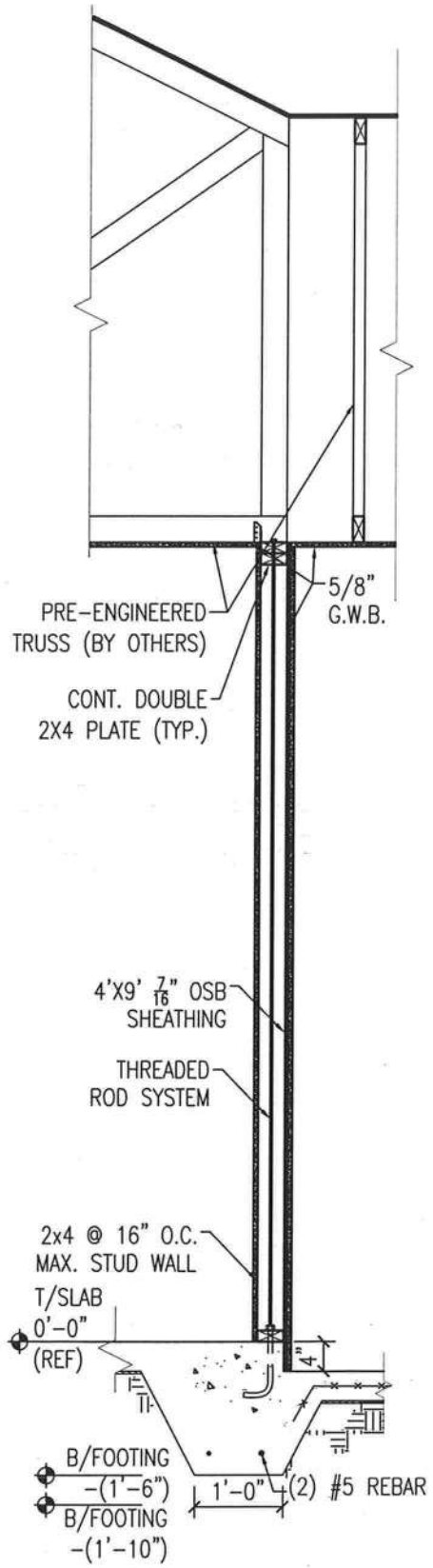
S-4.0

SHEET 6 OF 7

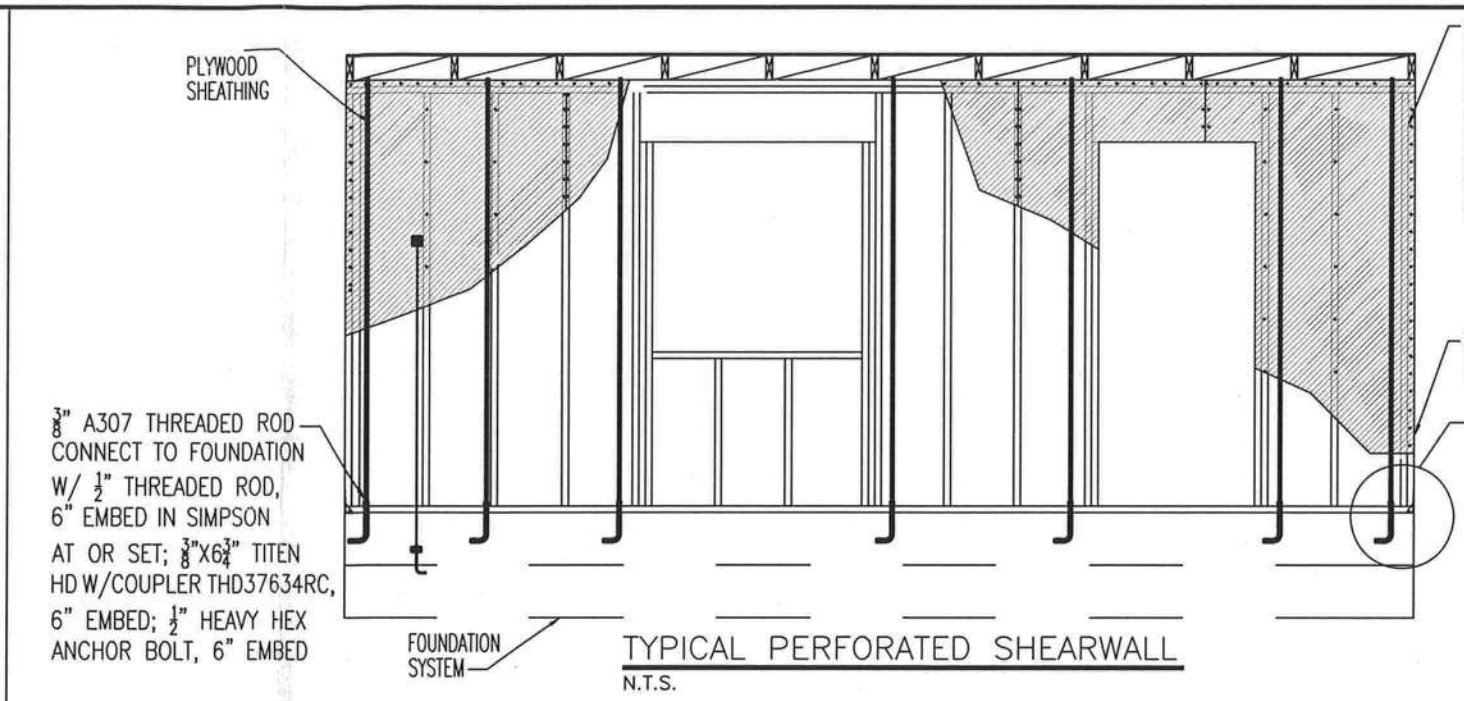
3/8/13



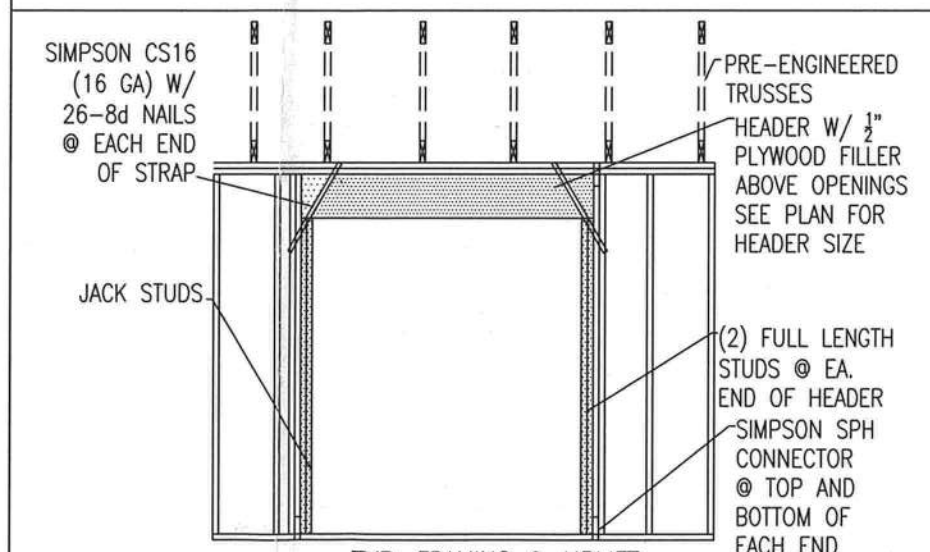
C 2X4 WALL SECTION
1/2" = 1'



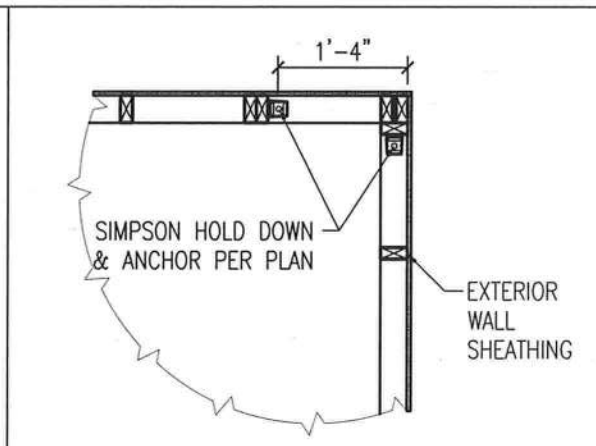
D 2X4 WALL SECTION
1/2" = 1'



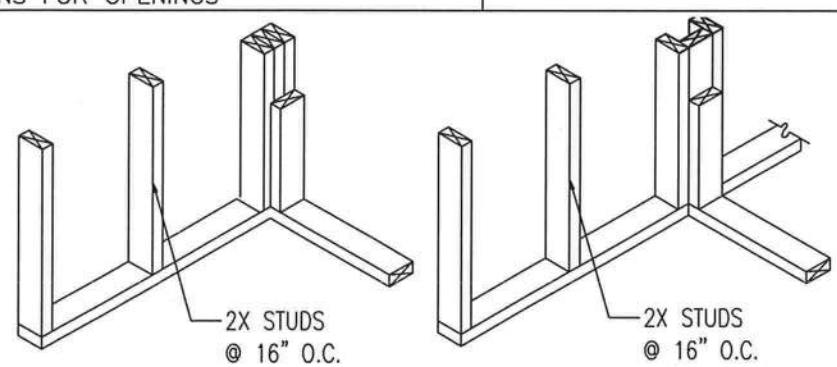
TYPICAL PERFORATED SHEARWALL
N.T.S.



TYP. FRAMING & UPLIFT
CONNECTIONS FOR OPENINGS



TYPICAL HOLD DOWN DETAIL
1/2" = 1'



WALL CORNER

WALL INTERSECTION

TYPICAL WALL FRAMING
NOTE: SEE PLANS FOR SIZE AND SPACING

REV #	DATE	REVISION NOTES
0	03-04-13	ISSUED FOR CONSTRUCTION

P.O. BOX 187
130 W. HOWARD STREET
LIVE OAK, FL 32064
PHONE: (386) 362-3678
FAX: (386) 362-8133
GARY J. GILL PE 51942
AUTH. # 9461
STRUCTURAL/CIVIL ENGINEERS

COOPER
STRUCTURAL PACKAGE
COLUMBIA COUNTY, FL

DETAILS

PROJECT NUMBER PF13-010
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

S-5.0

SHEET 7 OF 7

3/8/13

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1UU4487-Z0127120733

Truss Fabricator:	Anderson Truss Company
Job Identification:	13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL
Truss Count:	29
Model Code:	Florida Building Code 2010
Truss Criteria:	FBC2010Res/TPI-2007(STD)
Engineering Software:	Alpine Software,Version 10.03.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-CNNAILSP-

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

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

#	Ref	Description	Drawing#	Date
1	59823	--A 42' Common	13058003	02/27/13
2	59824	--A1 42' Common	13058004	02/27/13
3	59825	--AV1 42' Common	13058005	02/27/13
4	59826	--B 20' Common	13058014	02/27/13
5	59827	--B1 20' Common	13058010	02/27/13
6	59828	--CJ1 1' Jack	13058015	02/27/13
7	59829	--CJ3 3' Jack	13058002	02/27/13
8	59830	--CJ5 5' Jack	13058013	02/27/13
9	59831	-EG 10'6" Stepdow	13058006	02/27/13
10	59832	-EJ4 2'10"8 End J	13058009	02/27/13
11	59833	--EJ7 7' End Jack	13058004	02/27/13
12	59834	-H11A 42' Stepdow	13058008	02/27/13
13	59835	-H11S 33'2" Stepd	13058007	02/27/13
14	59836	-H13A 42' Stepdow	13058008	02/27/13
15	59837	-H13S 33'2" Stepd	13058009	02/27/13
16	59838	-H15AV 42' Stepdo	13058010	02/27/13
17	59839	-H15S 33'2" Stepd	13058011	02/27/13
18	59840	-H17AV 42' Stepdo	13058011	02/27/13
19	59841	-H17S 33'2" Stepd	13058012	02/27/13
20	59842	-H19AV 42' Stepdo	13058013	02/27/13
21	59843	-H19S 33'2" Stepd	13058016	02/27/13
22	59844	-H7A 42' Stepdown	13058012	02/27/13
23	59845	-H7B 20' Stepdown	13058003	02/27/13
24	59846	-H7S 33'2" Mono H	13058006	02/27/13
25	59847	-H9A 42' Stepdown	13058014	02/27/13
26	59848	--H9B 20' Common	13058001	02/27/13
27	59849	-H9S 33'2" Mono H	13058015	02/27/13
28	59850	-HJ4 4'0"13 Hip J	13058005	02/27/13
29	59851	-HJ7 9'10"13 Hip	13058007	02/27/13

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - A 42' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

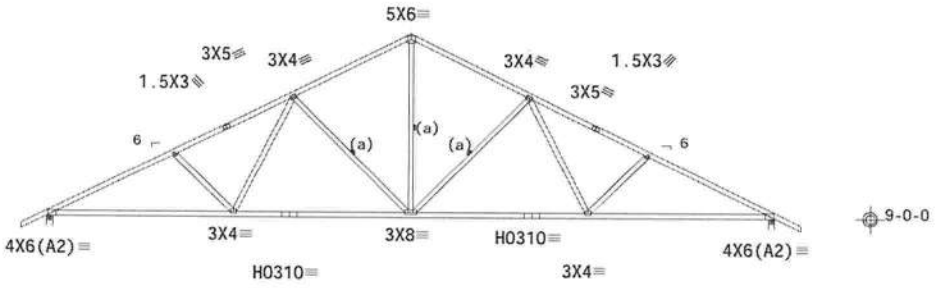
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11.0209.19

QTY 2

FL/5/1/-/-/R/-

Scale =.125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59823
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058003
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61809
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - A1 42' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

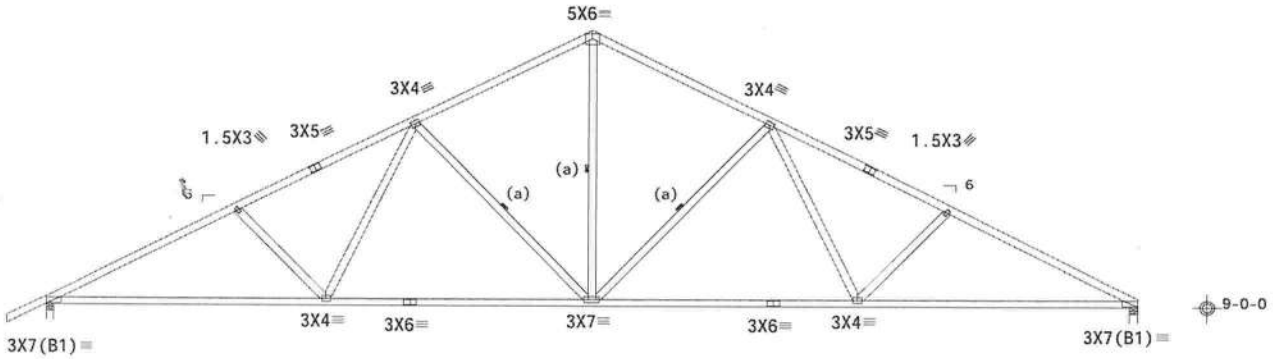
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

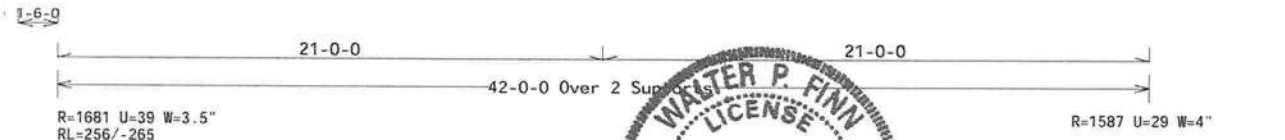
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.





WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11.0209.79 GTR:

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

IMPORTANT **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59824
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058004
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61848
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - AV1 42' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A :W2, W11 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

These support conditions used at bearings indicated
(H1) = Simpson HUS26 w/ (1)2x6 SP_SS_12A supporting member.
(14) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

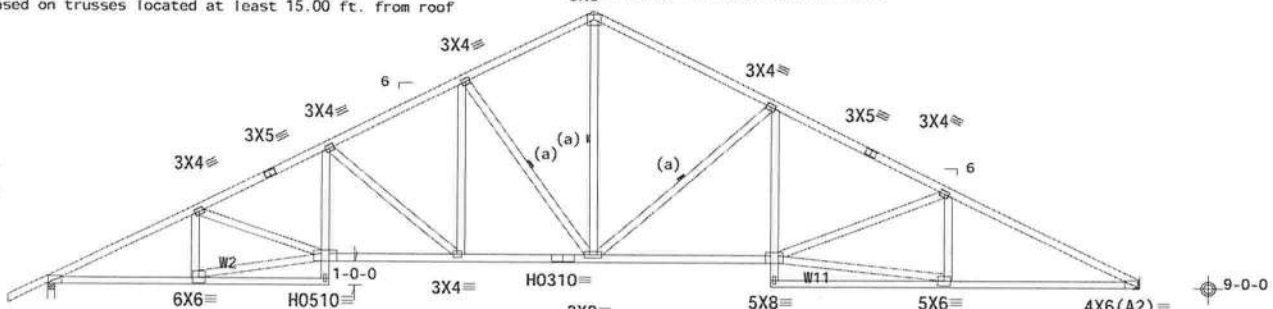
Wind loads and reactions based on MWFRS with additional C&C member design.

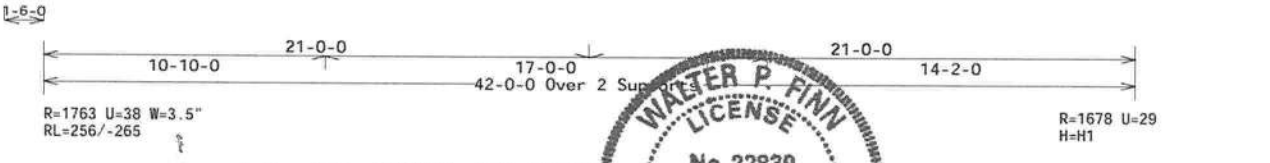
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. 20 Gauge HS,Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0809.19

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for recommended practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design by others including but not limited to, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

TC LL	20.0 PSF	REF	R487-- 59825
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058005
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61803
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - B 20' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

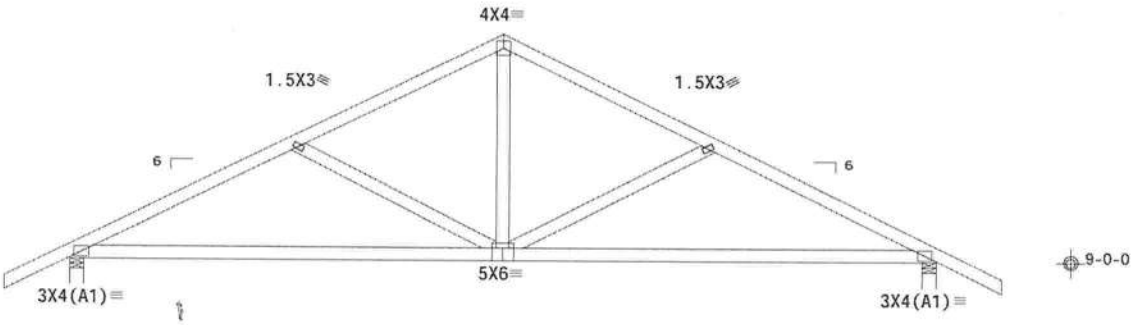
Bottom chord checked for 10.00 psf non-concurrent live load.

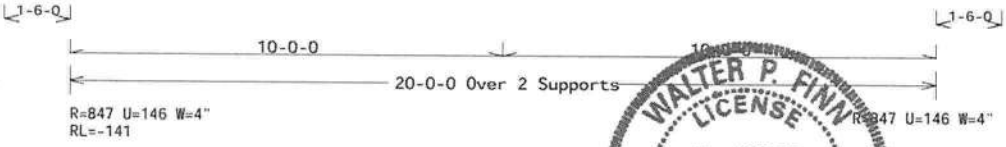
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0209.19 QTY: FL/5/1/-/-/R/-

Scale =.3125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

"WARNING" READ AND FOLLOW ALL NOTES ON THIS SHEET!
"IMPORTANT" FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10DA-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59826
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058014
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61124
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - B1 20' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

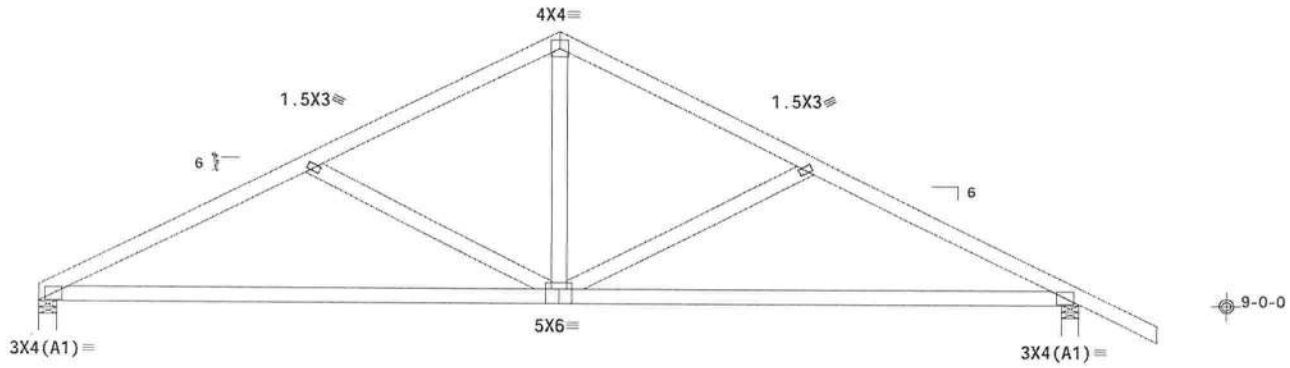
Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11.0209.19 QTY 4 FL/5/1/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design in any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59827
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058010
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61143
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - CJ1 1' Jack)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

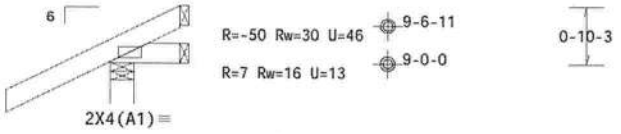
Bottom chord checked for 10.00 psf non-concurrent live load.

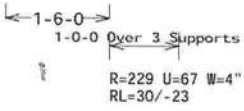
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD) 10.03.11.0209.79 GTA: 4 FL/5/1/-/-/R/- Scale =.5"/Ft.

FT/RT=20%(0%)/10(0)

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59828
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058015
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61129
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - CJ3 3' Jack)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

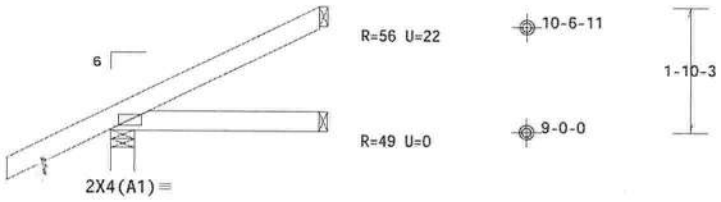
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

DC 03.14.0209.19 OT★:10 FL/5/1/-/-/R/-

Scale =.5"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59829
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058002
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61127
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - CJ5 5' Jack)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

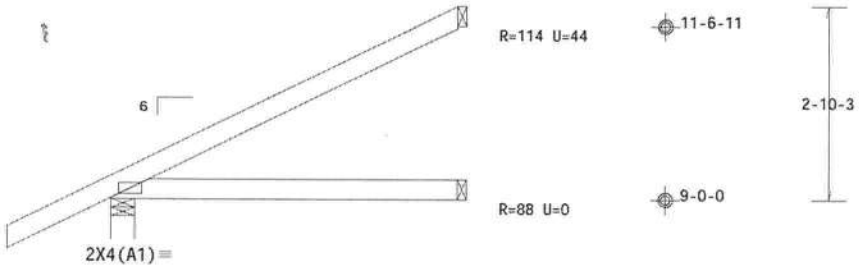
Bottom chord checked for 10.00 psf non-concurrent live load.

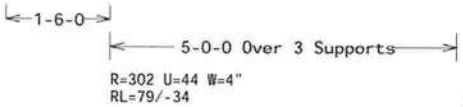
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=302 U=44 W=4"
RL=79/-34

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0) 10.03.11.0809.19 QTY 10 FL/5/1/-/-/R/- Scale =.5"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10GA-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59830
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058013
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61128
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - EG 10'6" Stepdown Hip Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x6 SP_SS_12A
Webs 2x4 SP_#3__12A :W2, W5 2x4 SP_#1_12A:
:Lt Wedge 2x4 SP_#3__12A::Rt Wedge 2x4 SP_#3__12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Brg blocks:0.128"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	0.000'	1	12"	4	Rigid Surface
2	10.208'	1	12"	11	Rigid Surface

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP0109 for more information.

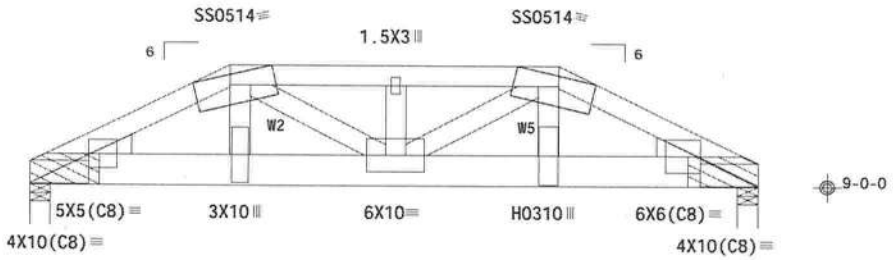
Wind loads and reactions based on MWFRS.

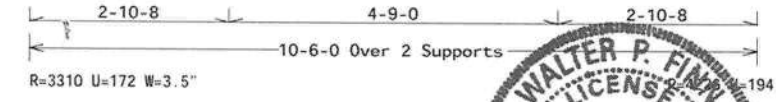
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 56 plf at 0.00 to 56 plf at 2.88
TC- From 28 plf at 2.88 to 28 plf at 7.62
TC- From 56 plf at 7.62 to 56 plf at 10.50
BC- From 20 plf at 0.00 to 20 plf at 2.91
BC- From 10 plf at 2.91 to 10 plf at 8.15
BC- From 20 plf at 8.15 to 20 plf at 10.50
TC- 80.73 lb Conc. Load at 2.91, 7.59
TC- 51.43 lb Conc. Load at 4.94, 5.56
BC- 112.44 lb Conc. Load at 2.91, 7.59
BC- 1585.97 lb Conc. Load at 3.27, 5.27, 7.27, 8.15
BC- 46.85 lb Conc. Load at 4.94, 5.56

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. 20 Gauge HS,18 Gauge HS, Wave
Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0)
10.03.11.0209.19 QTY 1 FL/5/1/-/-/R/-
Scale =.5"/Ft.

WALTER P. FIAN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing per Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1SDA-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59831
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058006
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61801
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - EJ4 2'10"8 End Jack)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Bottom chord checked for 10.00 psf non-concurrent live load.

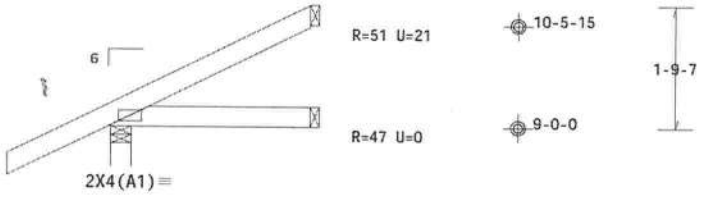
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

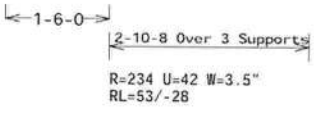
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.





02/27/2013

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) ★10.03.11.0209.19 DRW

FL/5/1/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487-- 59832
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058009
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61126
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. R... follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for... practices prior to performing these functions. Installers shall provide temporary bracing per... Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom... shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of... shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design... any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joliat Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - EJ7 7' End Jack)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

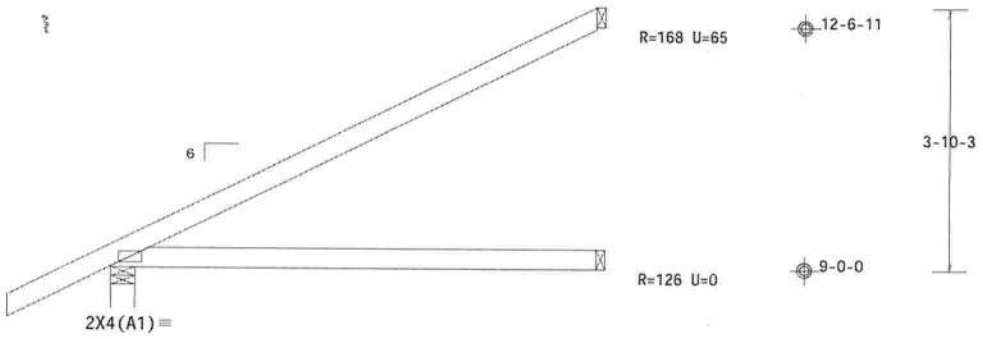
Bottom chord checked for 10.00 psf non-concurrent live load.

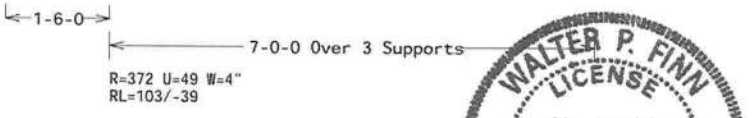
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) ★10.03.11.0809.19 DW:33 FL/5/1/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B2 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design in any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings TGDA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59833
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058004
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61134
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H11A 42' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

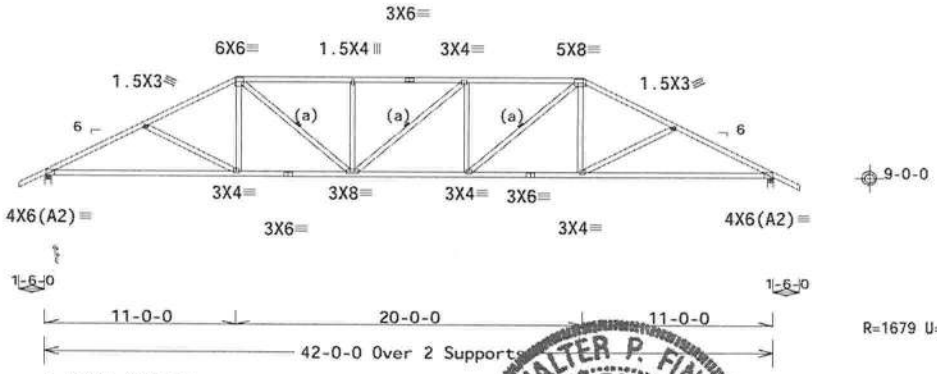
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11 0809.19 QTY 1

PLT TYP. Wave

FL/5/1/-/-/R/- Scale =.125"/Ft.

TC LL	20.0 PSF	REF	R487-- 59834
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058008
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61132
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H11S 33'2" Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

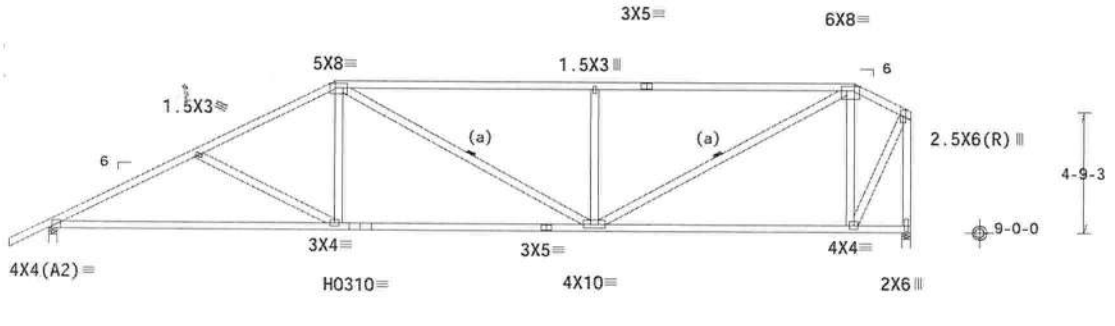
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

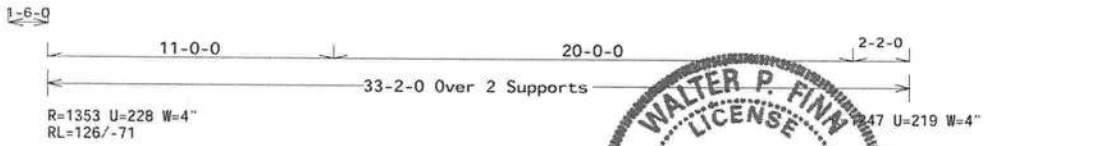
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

PLT TYP. 20 Gauge HS,Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) ★10.03.11.0209.19 [illegible]

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59835
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058007
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61868
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10DA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H13A 42' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

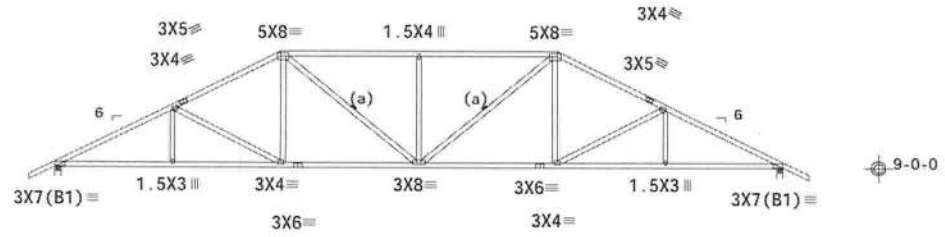
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

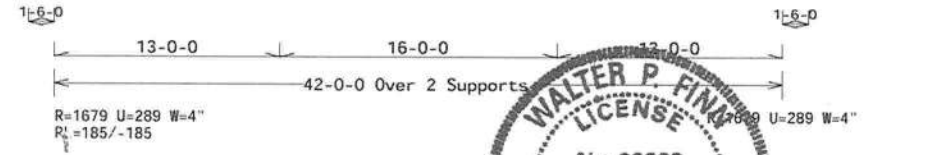
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

IC 03.11.0209.19 DTX:

FL/5/1/-/-/R/-

Scale =.125"/Ft.

TC LL	20.0 PSF	REF	R487-- 59836
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058008
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61840
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design by others in any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H13S 33'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

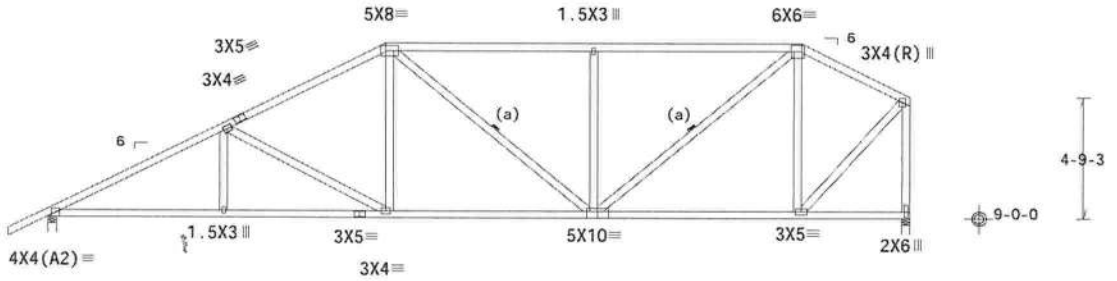
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

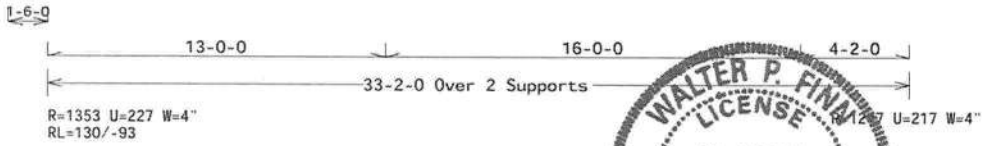
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.10.0209.19 QTY: FL/5/1/-/-/R/- Scale =.1875"/Ft.

WALTER P. FINA LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per BC Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chor shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of w shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59837
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058009
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61864
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H15AV 42' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

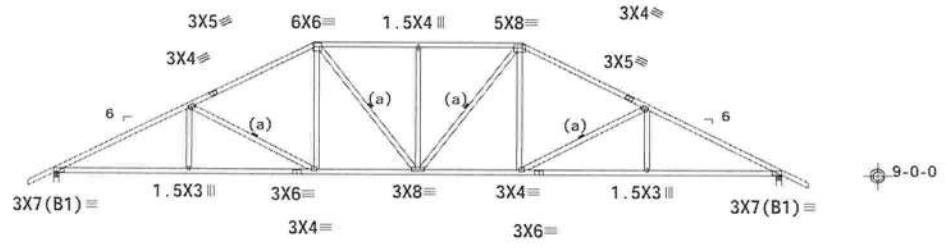
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



1-6-0 15-0-0 12-0-0 15-0-0 1-6-0

42-0-0 Over 2 Supports

R=1679 U=54 W=3.5"
RL=208/-208

R=1679 U=54 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0209.19

QTY 1

FL/5/1/-/-/R/-

Scale =.125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59838
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058010
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61846
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H15S 33'2" Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

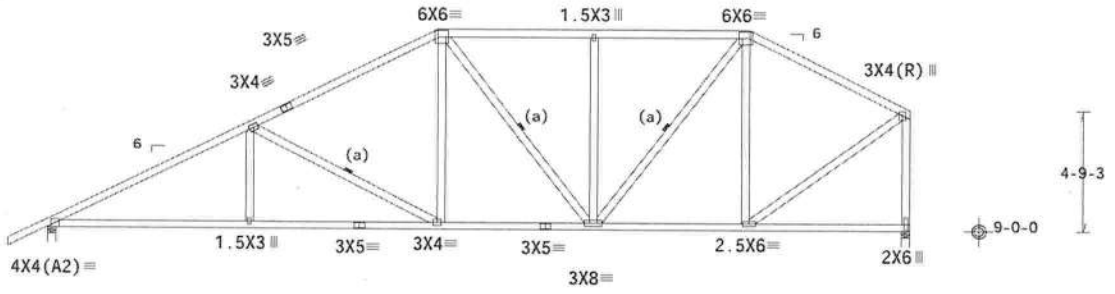
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

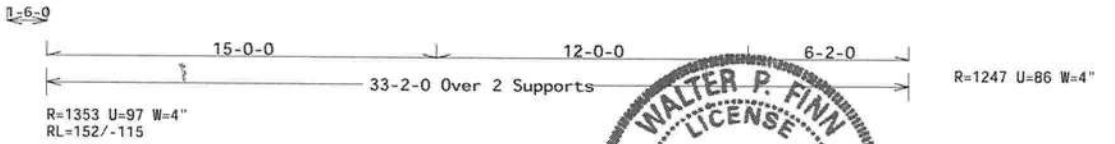
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11 0809.19 QTY 1 FL/5/1/-/-/R/- Scale =.1875"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design by others in any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation and temporary bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10DA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59839
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058011
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61139
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H17AV 42' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A :W2, W11 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

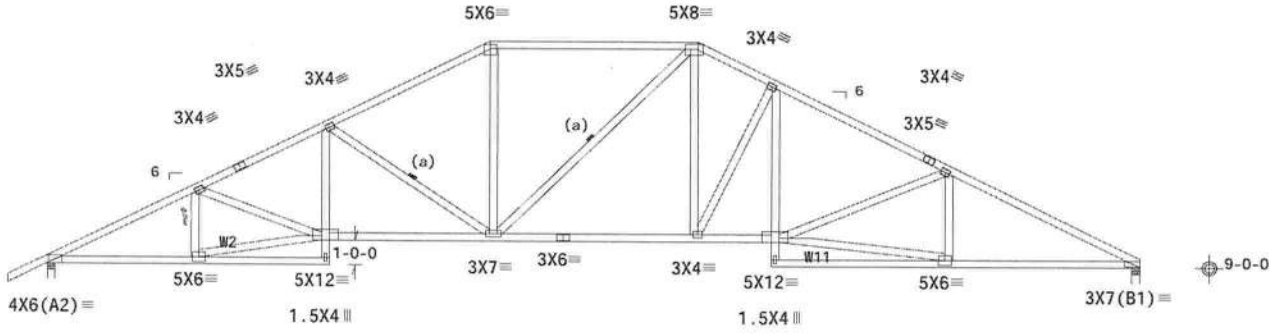
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

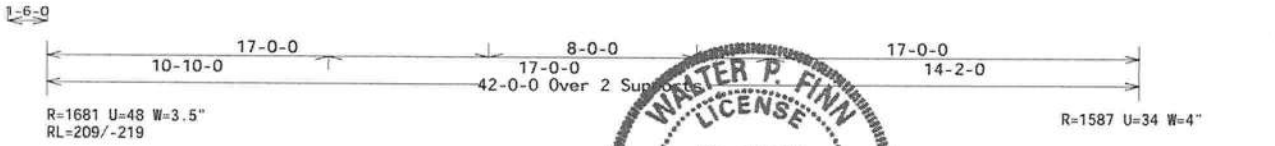
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.14.0209.79 QTY:

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
02/27/2013

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59840
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058011
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61836
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; IOC: www.iocsafe.org

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H17S 33'2" Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

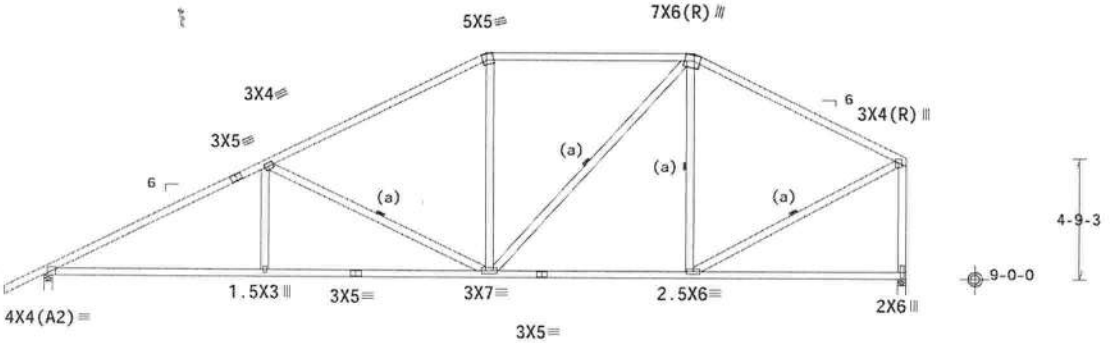
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

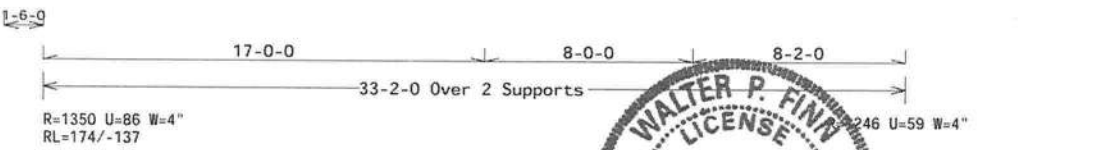
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11 0209 19

QTY 1

PLT TYP. Wave

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59841
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058012
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61860
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

"IMPORTANT" "WARNING" READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This jon's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; FOC: www.trussafe.org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H19AV 42' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A :W2, W11 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

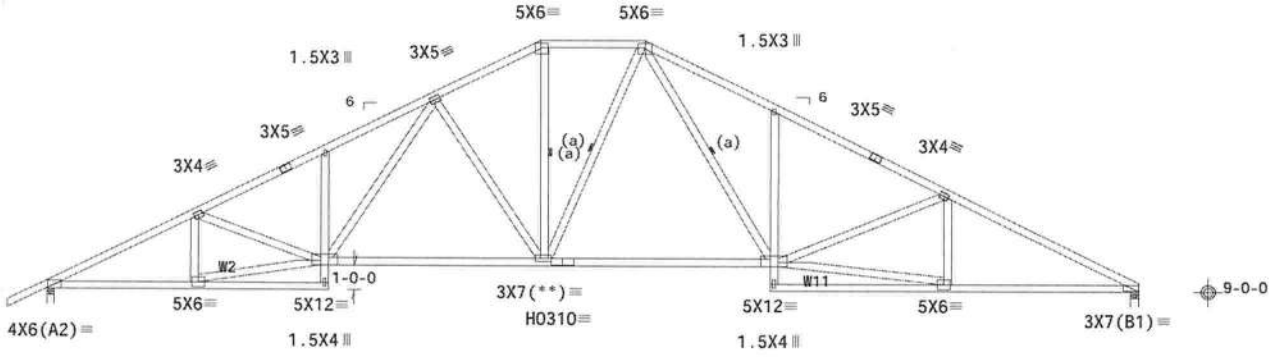
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

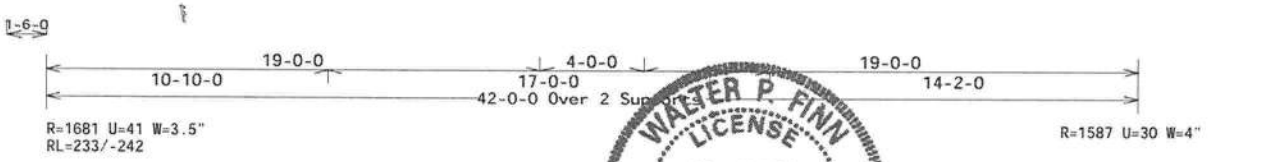
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. 20 Gauge HS,Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0809.19

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59842
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058013
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61829
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 150A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; IOC: www.iccsafe.org

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

02/27/2013

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H19S 33'2" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

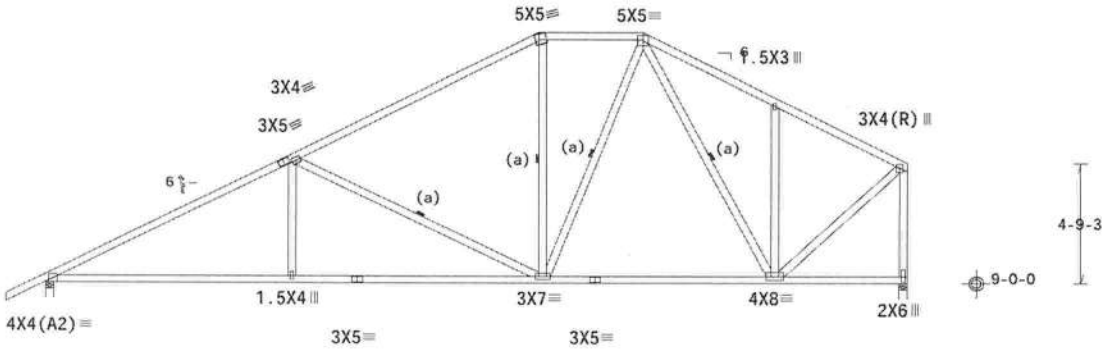
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

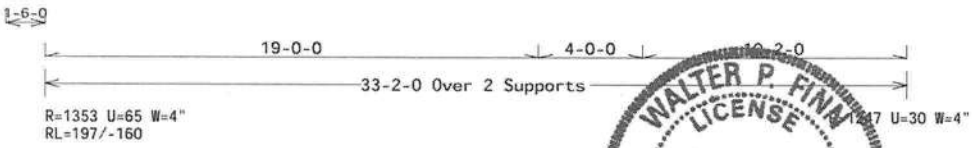
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

C.03.11.0209.19

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59843
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058016
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61856
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design in any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H7A 42' Stepdown Hip Girder)

Top chord 2x4 SP M-30 :T2, T4 2x6 SP_SS_12A:
:T3 2x6 SP_#1_Dense_12A:
Bot chord 2x6 SP_#1_Dense_12A :B2, B3 2x6 SP_SS_12A:
Webs 2x4 SP_#3__12A :W2, W8 2x4 SP_#1_12A:
:Lt Wedge 2x4 SP_#3__12A::Rt Wedge 2x4 SP_#3__12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

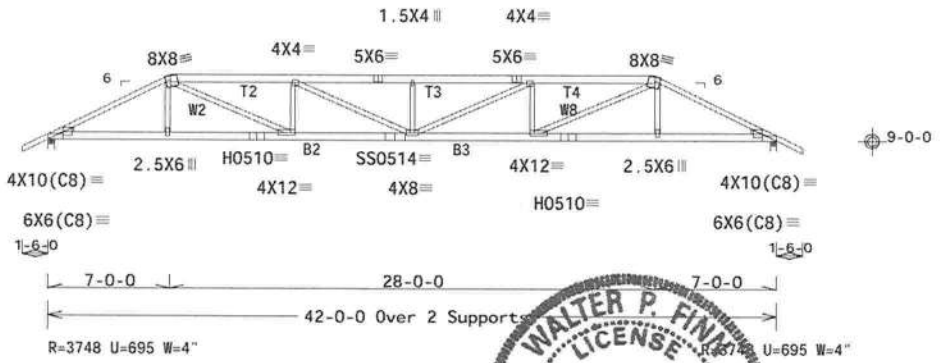
Calculated horizontal deflection is 0.15" due to live load and 0.19" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 56 plf at -1.50 to 56 plf at 7.00
TC- From 28 plf at 7.00 to 28 plf at 19.00
TC- From 28 plf at 19.00 to 28 plf at 27.00
TC- From 28 plf at 27.00 to 28 plf at 35.00
TC- From 56 plf at 35.00 to 56 plf at 43.50
BC- From 4 plf at -1.50 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 12.00
BC- From 10 plf at 12.00 to 10 plf at 20.00
BC- From 10 plf at 20.00 to 10 plf at 30.00
BC- From 10 plf at 30.00 to 10 plf at 34.97
BC- From 20 plf at 34.97 to 20 plf at 42.00
BC- From 4 plf at 42.00 to 4 plf at 43.50
TC- 237.05 lb Conc. Load at 7.03,34.97
TC- 167.95 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.00,22.94,24.94,26.94,28.94,30.94,32.94
BC- 448.50 lb Conc. Load at 7.03,34.97
BC- 126.35 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.00,22.94,24.94,26.94,28.94,30.94,32.94

Calculated vertical deflection is 0.78" due to live load and 0.99" due to dead load at X = 21-0-0.



PLT TYP. 20 Gauge HS,18 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0)

10.03.11.0209.79 QTY:

FL/5/1/-/-/R/-

Scale =.125"/Ft.

TC LL	20.0 PSF	REF	R487-- 59844
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058012
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61148
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings TGDA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINA
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
02/27/2013

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H7B 20' Stepdown Hip Girder)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

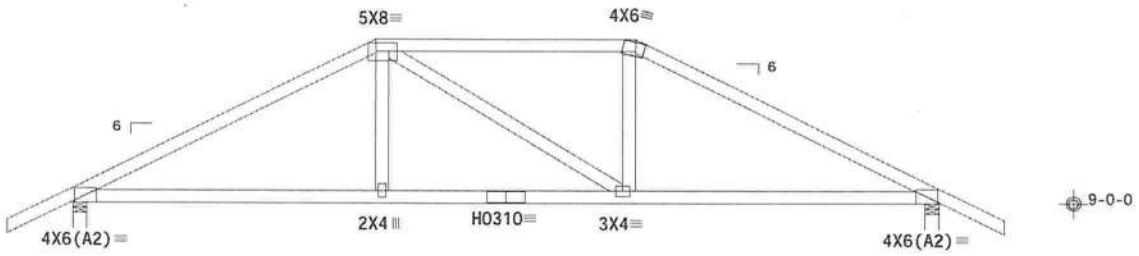
Bottom chord checked for 10.00 psf non-concurrent live load.

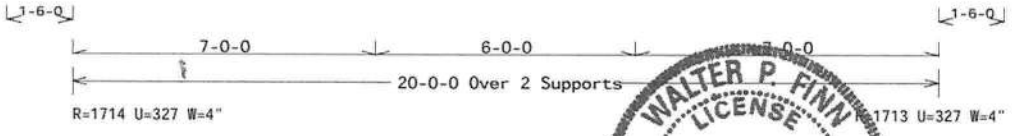
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC-	From	56 plf at -1.50	to	56 plf at	7.00
TC-	From	28 plf at 7.00	to	28 plf at	13.00
TC-	From	56 plf at 13.00	to	56 plf at	21.50
BC-	From	4 plf at -1.50	to	4 plf at	0.00
BC-	From	20 plf at 0.00	to	20 plf at	7.02
BC-	From	10 plf at 7.02	to	10 plf at	10.00
BC-	From	10 plf at 10.00	to	10 plf at	12.96
BC-	From	20 plf at 12.96	to	20 plf at	20.00
BC-	From	4 plf at 20.00	to	4 plf at	21.50
TC-	237.05 lb Conc. Load at	7.02,12.96			
TC-	167.95 lb Conc. Load at	9.06,10.94			
BC-	448.50 lb Conc. Load at	7.02,12.96			
BC-	126.35 lb Conc. Load at	9.06,10.94			





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave

FT/RT=20%(0%)/10(0)

10.03.13 0809.19

QTY:

FL/5/1/-/-/R/-

Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

IMPORTANT **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1GOA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

TC LL	20.0 PSF	REF	R487-- 59845
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058003
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61150
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H7S 33'2" Mono Hip Girder)

Top chord 2x6 SP_#2_12A :T1 2x4 SP_#1_12A:
Bot chord 2x6 SP_#1_Dense_12A :B1 2x6 SP_#2_12A:
Webs 2x4 SP_#3__12A :W2, W6, W8 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

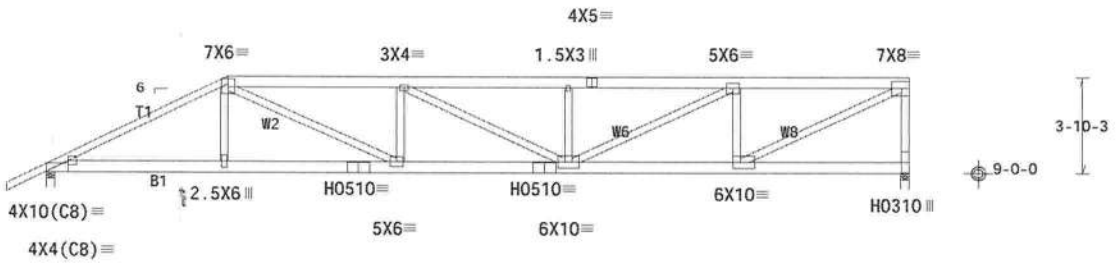
Wind loads and reactions based on MWFRS.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 56 plf at -1.50 to 56 plf at 7.00
TC- From 28 plf at 7.00 to 28 plf at 21.00
TC- From 28 plf at 21.00 to 28 plf at 33.17
BC- From 4 plf at -1.50 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 12.00
BC- From 10 plf at 12.00 to 10 plf at 19.17
BC- From 10 plf at 19.17 to 10 plf at 33.17
TC- 237.05 lb Conc. Load at 7.03
TC- 167.95 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06,33.06
BC- 448.50 lb Conc. Load at 7.03
BC- 126.35 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06,33.06

Right end vertical not exposed to wind pressure.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 10.03.11 0209.19 QTY 1 FL/5/1/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; IOC: www.iocsafe.org

TC LL	20.0 PSF	REF	R487-- 59846
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058006
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61149
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H9A 42' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

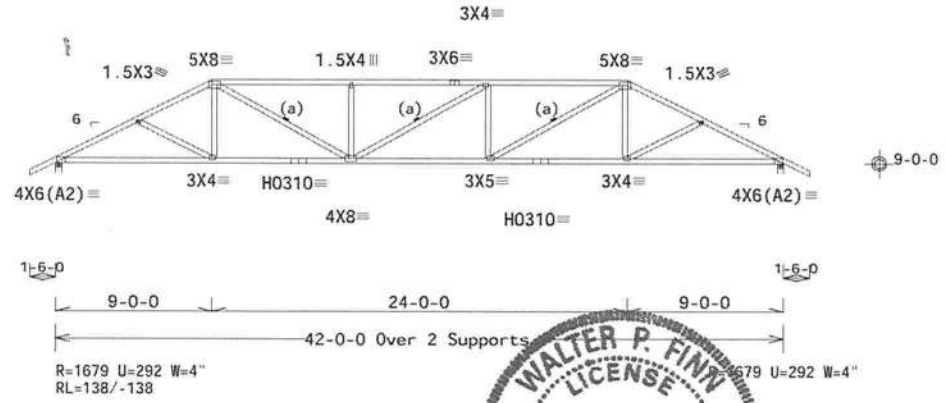
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 10.03.11.0209.19 QTY 1 FL/5/1/-/-/R/- Scale =.125"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B2 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design in any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 59847
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058014
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61844
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H9B 20' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

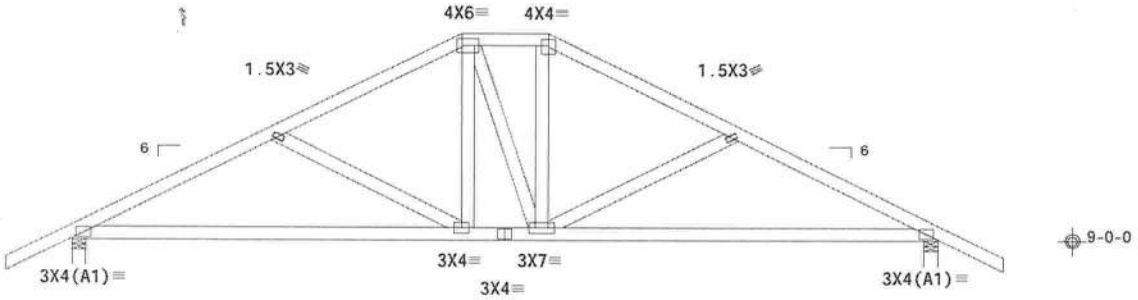
Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) ★16.03.11.0209.19 0TY

PLT TYP. Wave

FL/5/1/-/-/R/-

Scale =.3125"/Ft.

TC LL	20.0 PSF	REF	R487-- 59848
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058001
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61154
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

IMPORTANT **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall have bracing installed per BCSI sections B3, B2 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - H9S 33'2" Mono Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

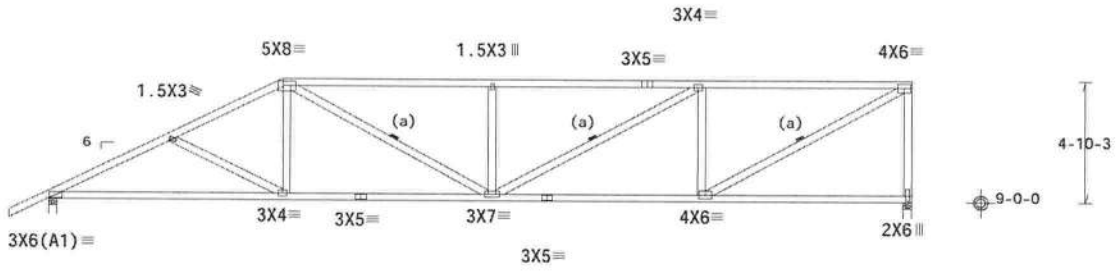
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

10.03.11.0809.19

FL/5/1/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487-- 59849
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058015
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	61872
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

IMPORTANT **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B2 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design in any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10GA-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - HJ4 4'0"13 Hip Jack Girder)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

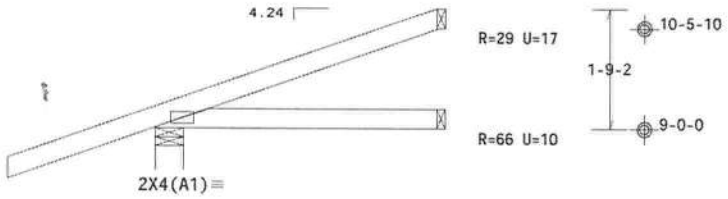
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.12 to 55 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 4.07
BC- From 0 plf at -2.12 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 4.07
TC- -31.37 lb Conc. Load at 1.48
BC- 14.23 lb Conc. Load at 1.48

Wind loads and reactions based on MWFRS.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



2-1-7

4-0-13 Over 3 Supports

R=169 U=99 W=4.95"

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) ★10.03.11.0809.19 QTY 2

PLT TYP. Wave

FL/5/1/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0 PSF	REF	R487-- 59850
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058005
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61151
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

(13-061A--BRYAN ZECHER Cooper Res -- Lake City, FL - HJ7 9'10"13 Hip Jack Girder)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

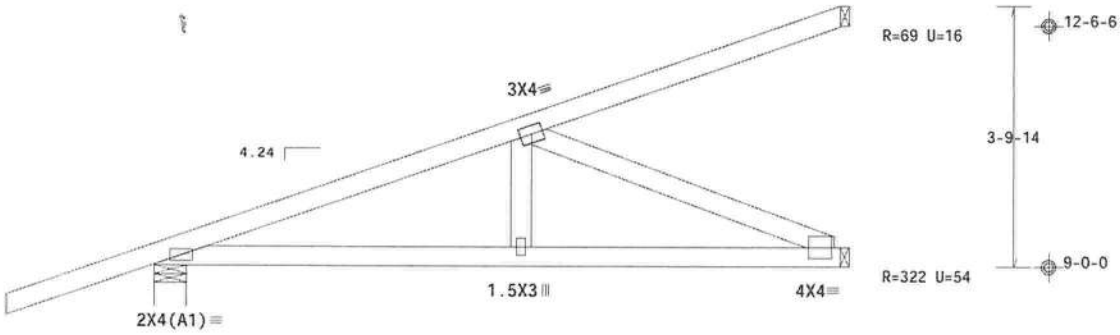
Wind loads and reactions based on MWFRS.

Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.12 to 55 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 9.90
BC- From 0 plf at -2.12 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 9.90
TC- -31.37 lb Conc. Load at 1.48
TC- 111.08 lb Conc. Load at 4.31
TC- 228.42 lb Conc. Load at 7.13
BC- 14.23 lb Conc. Load at 1.48
BC- 98.68 lb Conc. Load at 4.31
BC- 176.50 lb Conc. Load at 7.13

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11 0209 19 QTY 5 FL/5/1/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this d any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

TC LL	20.0 PSF	REF	R487-- 59851
TC DL	7.0 PSF	DATE	02/27/13
BC DL	10.0 PSF	DRW	HCUSR487 13058007
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	61147
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UU4487_Z01

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

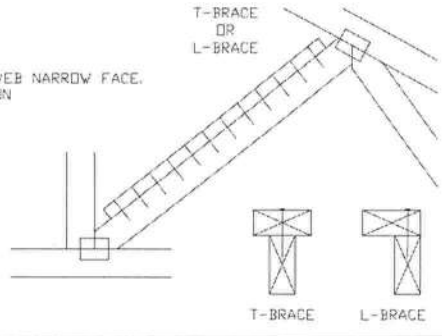
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

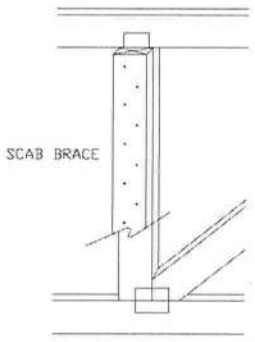
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3",MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3",MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/27/2013

Feb 27 '13

TW Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (V,H,S,K) ASTN A653 grade 37/40/65 (R/W/M,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 1/1/09
BC DL	PSF	DRWG BRCLBSUB0109
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH,GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

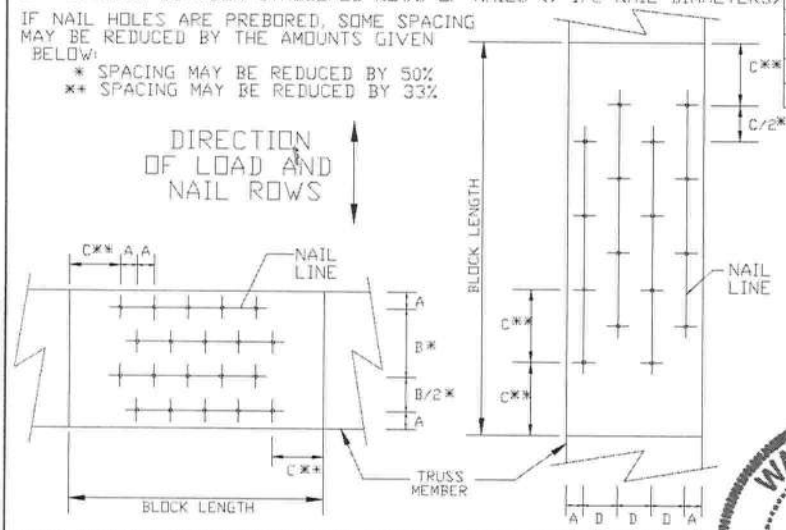
LOAD PERPENDICULAR TO GRAIN
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
A - EDGE DISTANCE (6 NAIL DIAMETERS)
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
* SPACING MAY BE REDUCED BY 50%
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
02/27/2013

Feb 27 '13

TW Building Components Group Inc.
Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices performing these functions. Installers shall provide temporary bracing per BCSI. Unless otherwise, top chord shall have properly attached structural panels and bottom chord shall properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall bracing installed per BCSI sections B3 & B7. See this job's general notes page for more inform

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S,K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ITW-BCG www.ikebcg.com; FPI www.tpinst.com; WTCA www.sbcindustry.com; ICC www.iccsafe.org

REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAILSP0109