If you are requesting commercial or industrial access, please indicate the types and numbers of businesses and provide the floor area square footage of each. Use additional sheets if necessary.

Business (Name and Type)	Square Footage	Business (Name and Type)	Square Footage
1. General Light Industrial	46,000	3.	
2. General Office	3,328	4.	

If you are requesting a residential development access, what is the type (single family, apartment, townhouse) and number of units?

Type	Number of Units

Provide an estimate of the daily traffic volume anticipated for the entire property at build out. (An individual single family home, duplex, or quad-plex is not required to complete this section).

Daily Traffic Estimate = 357 (Use the latest Institute of Transportation Engineers (ITE) Trip Generation Report)

If you use the ITE Trip Generation Report, provide the land use code, independent variable, and reference page number.

ITE Land Use Code	Independent Variable	ITE Report page number reference
110, 710	46.0, 3.3	

Check with the Florida DOT Office where you will return this form to determine which of the following documents are required to complete the review of your application.

Plans should be 11" x 17" (scale 1" x 50")
Note: No plans larger than 24" x 36" will be accepted

a) Highway and driveway plan profile
b) Drainage plan showing impact to the highway right-of-way
c) Map and letters detailing utility locations before and after Development in and along the right of way
d) Subdivision, zoning, or development plans
e) Property map indicating other access, bordering roads and streets
f) Proposed access design
g) Parcel and ownership maps including (Boundary Survey)
h) Signing and striping plans
i) Traffic Control/Maintenance of Traffic Plan
j) Proof of liability insurance
k) Traffic Impact Study
l) Cross section of roadway every 100" if exclusive turn lanes are required

Important Notices to Applicant Before Signing Application

The Department Reserves the Right to Change Traffic Features and Devices in Right of Way At Any Time
Proposed traffic control features and devices in the right of way, such as median openings and other traffic control devices, are not part of the connection(s) to be authorized by a connection permit. The Department reserves the right to change these features and devices in the future in order to promote safety in the right of way or efficient traffic operations on the highway. Expenditure by the applicant of monies for installation or maintenance of such features or devices shall not create any interest in the maintenance of such features or devices.

Significant Changes In Property Use Must Undergo Further Review
If an access permit is issued to you it will state the terms and conditions for its use. Significant changes in the use as defined in Section 335.182(3), Florida Statutes, of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

All Information I Give Is Accurate
I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate.

Starting Work On The Driveway Connection After I Give My Permit Means I Accept All the Conditions of My Permit.
I will not begin work on the connection until I receive my Permit and I understand all the conditions of the Permit. When I begin work on the connection, I am accepting all conditions listed in my Permit.

Applicant's Name (Printed): William G. Wood

Applicant's Signature: [signature] Date 10-31-07

Florida Department of Transportation

JEB BUSH
GOVERNOR

1109 South Marion Avenue
Lake City, Florida 32025-5874

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

To: ALL FDOT Drainage Connection/Driveway/Utility Permit Applicants in Baker, Bradford, Columbia, Dixie, Gilchrist, Hamilton, Madison, Nassau, Levy, Putnam, Suwannee, Taylor, Union, & Lafayette Counties.

From: Permit Engineer/Coordinator

Subject: National Pollutant Discharge Elimination System (NPDES) Permits

---

The Department is requesting that a Copy of your Notice of Intent (NOI) to use the Generic Permit for Storm Water Discharge from Large and Small Construction Activities, pursuant to Florida Department of Environmental Protection Rule 62-621 Florida Administrative Code, be submitted as part of your application.

Please complete the applicable items below:

Project Name: Wind Tech Contracting Corp.

Project Address / Location: 2747 SW Main Blvd. Lake City, FL 32025

X **I certify that the referenced project is <u>over 1.0 Acre</u> of disturbed area and a copy of the NOI is attached for your records.**

_____ **I certify that the referenced project is <u>less than 1.0 Acre</u> of disturbed area and an NOI is not required**

Signature: William G. Wood

Printed Name: William G. Wood x Owner __ Agent __ Contractor __ Developer

******Return this Document and any required attachment along with your Permit Application******

NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (RULE 62-621.300(4), F.A.C.)

This Notice of Intent (NOI) form is to be completed and submitted to the Department before use of the Generic Permit for Stormwater Discharge From Large and Small Construction Activities provided in Rule 62-621.300(4), F.A.C. The type of project or activity that qualifies for use of the generic permit, the conditions of the permit, and additional requirements to request coverage are specified in the generic permit document [DEP Document 62-621.300(4)(a)]. **The appropriate generic permit fee, as specified in Rule 62-4.050(4)(d), F.A.C., shall be submitted with this NOI in order to obtain permit coverage. Permit coverage will not be granted without submittal of the appropriate generic permit fee.** You should familiarize yourself with the generic permit document and the attached instructions before completing this NOI form. **Please print or type information in the appropriate areas below.**

I. IDENTIFICATION NUMBER: Project ID Wind Tech Contracting Corp.

II. APPLICANT INFORMATION:

A. Operator Name: William G. Wood			
B. Address: P.O. Box 3535			
C. City: Lake City		D. State: FL	E. Zip Code: 32056
F. Operator Status:	G. Responsible Authority:		
	H. Phone No.: 386-755-8699		

III. PROJECT/SITE LOCATION INFORMATION:

A. Project Name: Wind Tech Contracting Corp.			
B. Project Address/Location: 2747 SW Main Blvd.			
C. City: Lake City		D. State: FL	E. Zip Code: 32025
F. County: Columbia	G. Latitude: 30 ° 09 ′ 05 ″	Longitude: 82 ° 38 ′ 34 ″	
H. Is the site located on Indian lands? ☐ Yes ☒ No		I. Water Management District: SRWMD	
J. Project Contact: William G. Wood			K. Phone No.: 386-755-8699

DEP Form 62-621.300(4)(b)
Effective May 1, 2003

IV. PROJECT/SITE ACTIVITY INFORMATION:

A. Indicate whether Large or Small Construction (check only one):	☐ Large Construction (Project will disturb five or more acres of land.) ☒ Small Construction (Project will disturb one or more acres but less than five acres of land.)		
B. Approximate total area of land disturbance from commencement through completion of construction: 1.4 Acres			
C. SWPPP Location	☒ Address in Part II above ☐ Address in Part III above ☐ Other address (specify below)		
D. SWPPP Address:			
E. City:		F. State:	G. Zip Code:
H. Construction Period	Start Date:	Completion Date:	

V. DISCHARGE INFORMATION

A. MS4 Operator Name (if applicable): FDOT (MS-4)
B. Receiving Water Name: N/A

VI. CERTIFICATION[1]:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Official Title (Type or Print):
William G. Wood, Owner

Signature: _____ Date Signed: 10-31-07

[1] Signatory requirements are contained in Rule 62-620.305, F.A.C.

INSTRUCTIONS – DEP FORM 62-621.300(4)(b)
NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES

Who Must File an NOI:

Federal law at 40 CFR Part 122 prohibits the point source discharge of pollutants, including the discharge of stormwater associated with large construction activities as defined at 40 CFR 122.26(b)(14)(x) or small construction activities as defined at 40 CFR 122.26(b)(15), to waters of the United States without a National Pollutant Discharge Elimination System (NPDES) permit. Under the State of Florida's authority to administer the NPDES stormwater program at 403.0885, F.S., operators that have stormwater discharge associated with large or small construction activities to surface waters of the State, including through a Municipal Separate Storm Sewer System (MS4), must obtain coverage either under a generic permit issued pursuant to Chapter 62-621, F.A.C., or an individual permit issued pursuant to Chapter 62-620, F.A.C.

Where to File NOI:

NOIs for coverage under this generic permit must be sent to the following address:

NPDES Stormwater Notices Center, MS #2510
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Permit Fee:

Permit fees for large and small construction activities to be covered under the generic permit are specified in Rule 62-4.050(4)(d), F.A.C. The appropriate generic permit fee (either for large or small construction activities) must be submitted along with the completed NOI in order to obtain coverage under the generic permit. **Generic permit coverage will not be granted without payment of the appropriate permit fee.**

The permit fee shall be paid by either check or money order made payable to: "Florida Department of Environmental Protection"

Part I – Identification Number

Enter the project's DEP identification number (generic permit coverage number) if known. If an ID number has not yet been assigned to this project (i.e., if this is a new project), leave this item blank.

Part II – Applicant Information

Item A.: Provide the legal name of the person, firm, contractor, public organization, or other legal entity that owns or operates the construction activity described in this NOI. The operator is the legal entity that has authority to control those activities at the project necessary to ensure compliance with the terms and conditions of the generic permit.

Items B. – E.: Provide the complete mailing address of the operator, including city, state, and zip code.

Item F.: Enter the appropriate one letter code from the list below to indicate the legal status of the operator:

F = Federal; S = State; P = Private; M = Public (other than federal or state); O = Other

Items G. – H.: Provide the name and telephone number (including area code) of the person authorized to submit this NOI on behalf of the operator (e.g., Jane Smith, President of Smith Construction Company on behalf of the operator, Smith Construction Company; John Doe, Public Works Director on behalf of the operator, City of Townsville; etc.). This should be the same person as indicated in the certification in Part VI.

Part III – Project/Site Location Information

Items A. – E.: Enter the official or legal name and complete street address, including city, state, and zip code of the project. Do not provide a P.O. Box number as the street address. If it lacks a street address, describe the project site location (e.g., intersection of State Road 1 and Smith Street).

Item F.: Enter the county in which the project is located.

Item G.: Enter the latitude and longitude, **in degrees-minutes-seconds format**, of the approximate center of the project.

Item H.: Indicate whether the project is located on Indian lands.

Item I.: Enter the appropriate five or six letter code from the list below to indicate the Water Management District the project is located within:

NWFWMD = Northwest Florida Water Management District
SRWMD = Suwannee River Water Management District
SFWMD = South Florida Water Management District
SWFWMD = Southwest Florida Water Management District
SJRWMD = St. John's River Water Management District

Items J. – K.: Give the name, title, and telephone number (including area code) of the project contact person. The project contact is the person who is thoroughly familiar with the project, with the facts reported in this NOI, and who can be contacted by the Department if necessary.

Part IV – Project/Site Activity Information:

Item A.: Check the appropriate box to indicate whether the project involves large construction activity or small construction activity. **Check one box only.**

"Large Construction Activity" means construction activity that results in the disturbance of five (5) or more acres of total land area. Large construction activity also includes the disturbance of less than five acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb five acres or more.

"Small Construction Activity" means construction activity that results in the disturbance of equal to or greater than one (1) acre and less than five (5) acres of total land area. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one acre and less than five acres.

Item B.: Provide the approximate total area of land disturbance in acres that the project will involve from commencement of construction through completion.

Items C. - G..: Indicate the location where the Stormwater Pollution Prevention Plan (SWPPP) can be viewed. Provide the address where the SWPPP can be viewed if other than as provided in Parts II or III of the NOI. **Note that to be eligible for coverage under the generic permit, the SWPPP must have been prepared prior to filing this NOI.**

Item H.: Enter the estimated construction start and completion dates in the MM/DD/YY format.

Part V – Discharge Information

Item A.: If stormwater from the project discharges to a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., City of Tallahassee MS4, Orange County MS4, FDOT MS4, etc.). If stormwater from the project does not discharge to an MS4 but rather discharges to surface waters of the State, leave this item blank or indicate "N/A" and skip to Item B of this part. **Please note that if the project discharges stormwater to an MS4, you must provide the MS4 operator with a copy of the completed NOI.**

Item B.: If the project discharges stormwater to surface waters of the State, and not to an MS4, enter the name of the receiving water body to which the stormwater is discharged. Please provide the first named water body to which the stormwater from the project is discharged (e.g., Cypress Creek, Tampa Bay, unnamed ditch to St. Johns River, Tate's Hell Swamp, etc.).

Part VI – Certification

Type or print the name and official title of the person signing the certification. Please note that this should be the same person as indicated in Item II.G. as the Responsible Authority. Sign and date the certification.

Section 403.161, F.S., provides severe penalties for submitting false information on this application (NOI) or any reports or records required by a permit. There are both civil and criminal penalties, in addition to the revocation of permit coverage for submitting false information.

Rule 62-620.305, F.A.C., requires that the NOI and any reports required by the permit to be signed as follows:

A. For a corporation, by a responsible corporate officer as described in Rule 62-620.305, F.A.C.;
B. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or,
C. For a municipality, state, federal or other public facility, by a principal executive officer or elected official.

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

OVERNIGHT ADDRESS
710 NW LAKE JEFFERY
SUITE 101, LAKE CITY, FL.
32055-2621

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

STATEMENT OF CONTIGUOUS INTEREST

PROJECT NAME: Wind Tech Contracting Corp.

PROJECT LOCATION,
(PHYSICAL 911 ADDRESS): 2747 SW Main Blvd., Lake City, FL 32025

STATE HIGHWAY: 25 **STATE RD. SECTION** 29030

COUNTY NAME: Columbia **STATE MILE POST:** 21.321

PROPT. OWNER'S NAME (Person or company): William G. Wood

PROPERTY PARCEL NUMBER(S) 08-4S-17-08196-002
OWNER'S MAILING ADDRESS: P.O. Box 3535, Lake City, FL 32056

PERMITTEE'S P.E. COMPANY: GTC Design Group, LLC
CONTACT P. E. NAME: Brett Crews

ENGINEER'S ADDRESS: 176 NW Lake Jeffrey Road
Lake City, Florida 32055

PERMITTEE'S LEGAL REPRESENTATIVE:

I hereby certify that the total contiguous property owned or controlled is as shown on the officially submitted project's construction Plan and more fully by legal description and attached hereto as exhibit "A".

SIGNED: W Wood **DATE:** 10-31-07

NAME/TITLE: William G. Wood
ADDRESS: P.O. Box 3535
Lake City, FL 32056

WITNESS:

PREPARED BY AND RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R08196000

TM File No: 06-91

WARRANTY DEED

This Warranty Deed, made this 16th day of February, 2006, BETWEEN STEVE BORDEAUX, whose post office address is 2698 South Marion Avenue, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and DAVID H. CHEATHAM AND TERESA L. CHEATHAM, Husband and Wife whose post office address is 322 South Marion Avenue, Lake city, FL 32025, of the County of Columbia, State of Florida, grantee*.

(Whenever 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 corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

See Exhibit "A" attached hereto and made a part hereof.

N.B.: Neither the Grantor nor any member of his family live or reside on the property described herein or any land adjacent thereto or claim any part thereof or any land adjacent thereto as their homestead.

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

To Have and to Hold, the same in fee simple forever.

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

Inst:2006004086 Date:02/20/2006 Time:16:21
Doc Stamp-Deed : 910.00
DC,P.DeWitt Cason,Columbia County B:1074 P:1824

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
TERRY McDAVID
(Typed Name of First Witness)

(Signature of Second Witness)
KAREN M. WRIGHT
(Typed Name of Second Witness)

Steve Bordeaux (SEAL)
STEVE BORDEAUX

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 16th day of February, 2006, by STEVE BORDEAUX, who is/are personally known to me or who has/have produced _____ as identification and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Inst:2006004086 Date:02/20/2006 Time:16:21
Doc Stamp-Deed : 910.00
DC,P.DeWitt Cason,Columbia County B:1074 P:1825

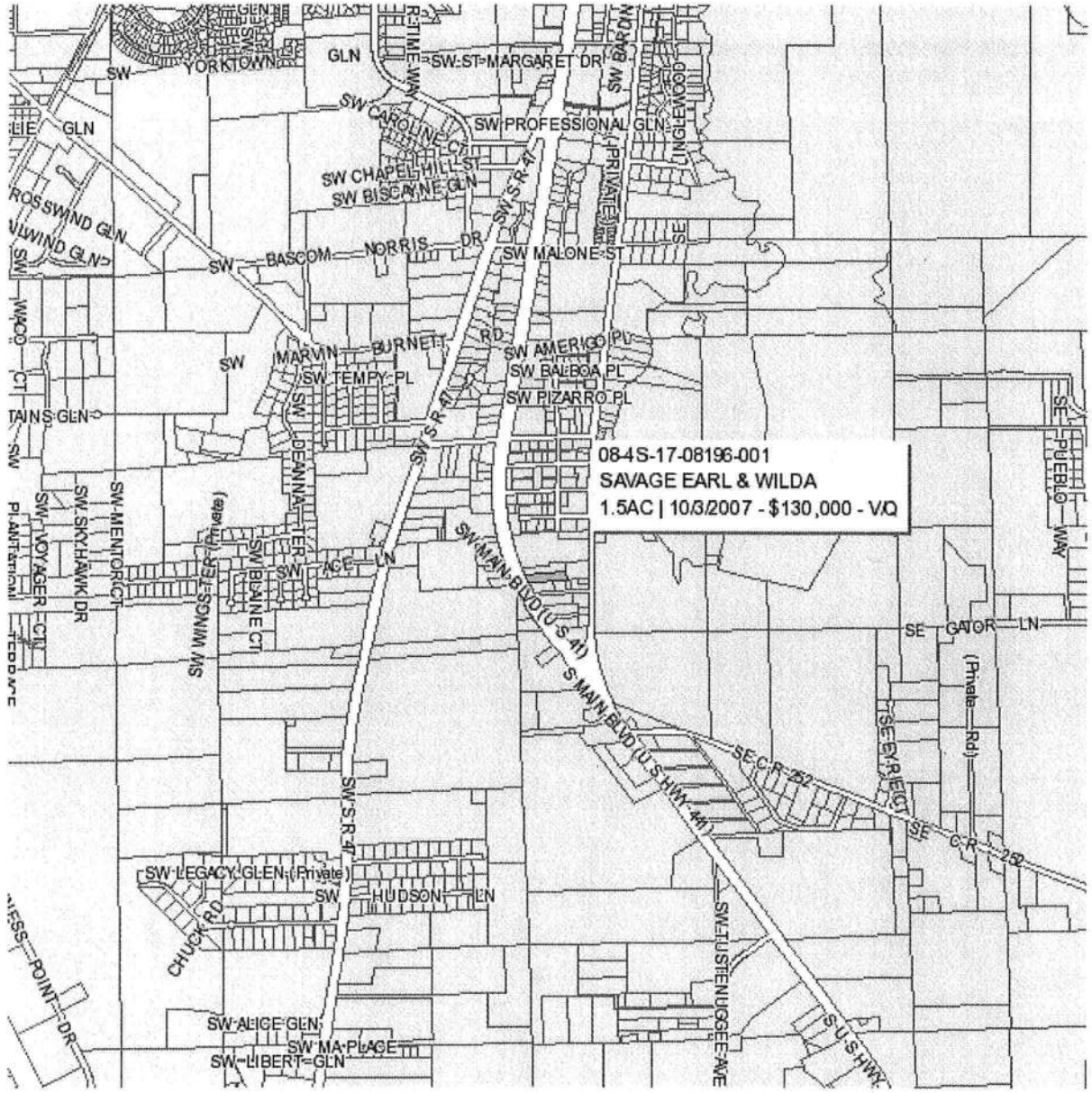
EXHIBIT "A"

Parcel A-1

Part of the SW 1/4 of the SW 1/4of Section 8, Township 4 South, Range 17 East, Columbia County, Florida, more particularly described as follows:

Commence at the SW corner of said Section 8 and thence N 00 deg. 31'04" West, along the West line of said Section 8, a distance of 694.70 feet to the intersection of said West line with the Westerly extension of the North line of "Dixie Villa", a subdivision as per plat thereof recorded in Plat Book "B", Page 4 of the public records, Columbia County, Florida; thence N 87 deg. 06'23" east along said North line 173.36 feet to a concrete monument, LS 1079, on the East right of way line of US Highway 41 (a 200 foot wide public right of way), thence continue N 87 deg. 06'23" East, along said North line, 525.56 feet to a 5/8 inch iron rod, LS 4708; thence N 02 deg. 53'37" West, 128.38 feet to a 5/8 inch iron rod, LS 4708 and the point of beginning; thence continue N 02 deg. 53'37" West, 116.18 feet to a 5/8 inch iron rod, LS 4708, set on the North line of lands now or previously owned by Steve Bordeaux and identified by Columbia County Property Appraiser Parcel Identification No. 08-4S-17-08196-000; thence S 87 deg. 08'30" West, along said North line, 226.13 feet to a 5/8 inch iron rod, LS 4708; thence S 01 deg. 29'15" West, 25.00 feet to a nail and disc. LS 4708 in a tree; thence S 87 deg. 09'32" West, still along said North line, 380.14 feet to a concrete monument, LS 1079 on the aforementioned East right of way line, and said point being on the arc of a curve concave to the Northeast and having a radius of 2764.93 feet and a central angle of 02 deg. 26'06" and being subtended by a chord having a bearing of S 22 deg. 08'59" East and a chord length of 117.50 feet; thence Southerly along the arc of said curve an arc distance of 117.51 feet to a 5/8 inch iron rod, LS 4708; thence N 85 deg. 10'23" East, 569.31 feet to the Point of Beginning.

Inst:2006004086 Date:02/20/2006 Time:16:21
Doc Stamp-Deed : 910.00
DC,P.DeWitt Cason,Columbia County B:1074 P:1826



Columbia County Property Appraiser

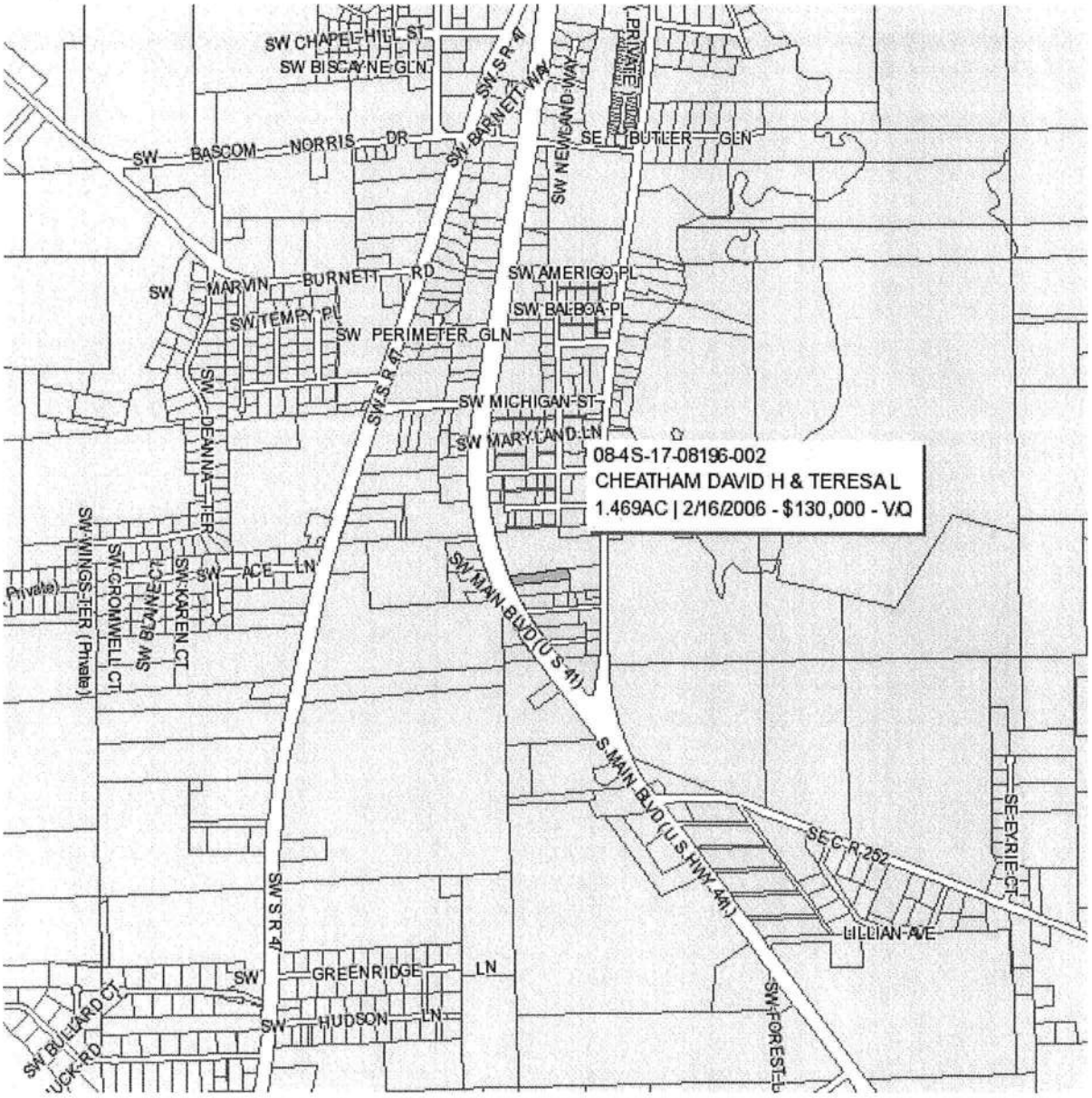
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

0 0.1 0.2 0.3 mi

PARCEL: 08-4S-17-08196-001 - VACANT COM (001000)

Name:	SAVAGE EARL & WILDA	LandVal	$104,544.00
Site:	---	BldgVal	$0.00
Mail:	6389 COUNTY ROAD 252 WELLBORN, FL 32094	ApprVal	$104,544.00
		JustVal	$104,544.00
		Assd	$104,544.00
		Exmpt	$0.00
		Taxable	$104,544.00
Sales Info	V 10/3/2007 $130,000.00 / Q V 2/16/2006 $130,000.00 / Q		

This information, GIS Map Updated: 10/22/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property



0 0.1 0.2 0.3 mi

Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 08-4S-17-08196-002 - VACANT COM (001000)

Name:	CHEATHAM DAVID H & TERESA L	LandVal	$102,452.00
Site:		BldgVal	$0.00
Mail:	2582 SW SR 247 LAKE CITY, FL 32024	ApprVal	$102,452.00
		JustVal	$102,452.00
Sales Info	2/16/2006 $130,000.00 V / Q	Assd	$102,452.00
		Exmpt	$0.00
		Taxable	$102,452.00

This information, GIS Map Updated: 10/22/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

WIND TECH CONTRACTING CORP.

AERIAL MAP

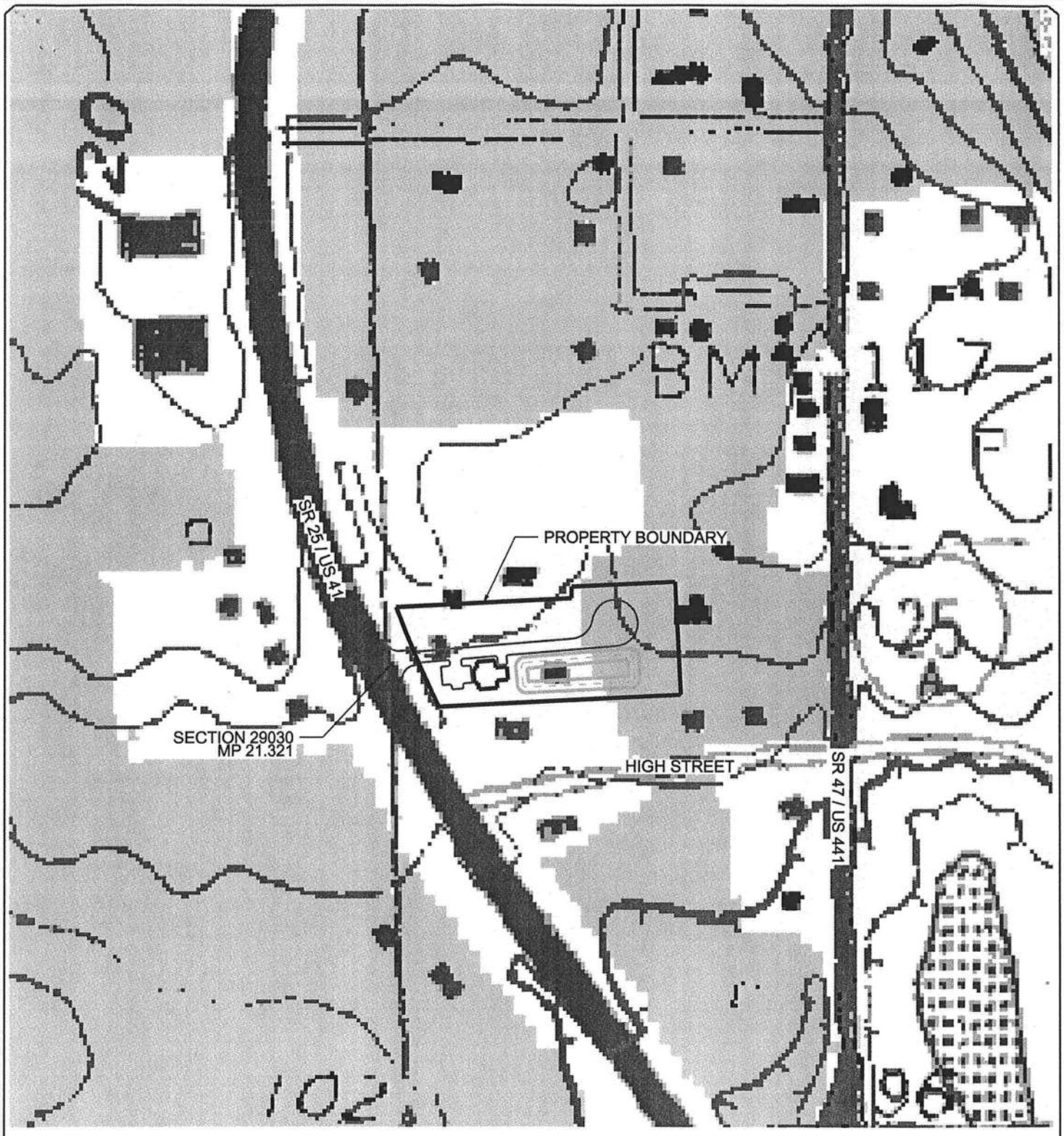
STRUCTURAL/CIVIL ENGINEERS

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

PROJECT NUMBER: **PF06-198**

SHEET: **A1**

...\CAD\aer01_sht.dgn 11/12/2007 4:56:45 PM



WIND TECH CONTRACTING CORP. **QUAD MAP**	STRUCTURAL/CIVIL ENGINEERS P.O. Box 187 130 West Howard Street Live Oak FL, 32064 Phone: (386) 362-3678 Fax: (386) 362-6133	PROJECT NUMBER **PF06-198**	SHEET **Q1**

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Calculations Using the Most Used Trip Generation Rates from the 7th Edition ITE Trip Generation Report

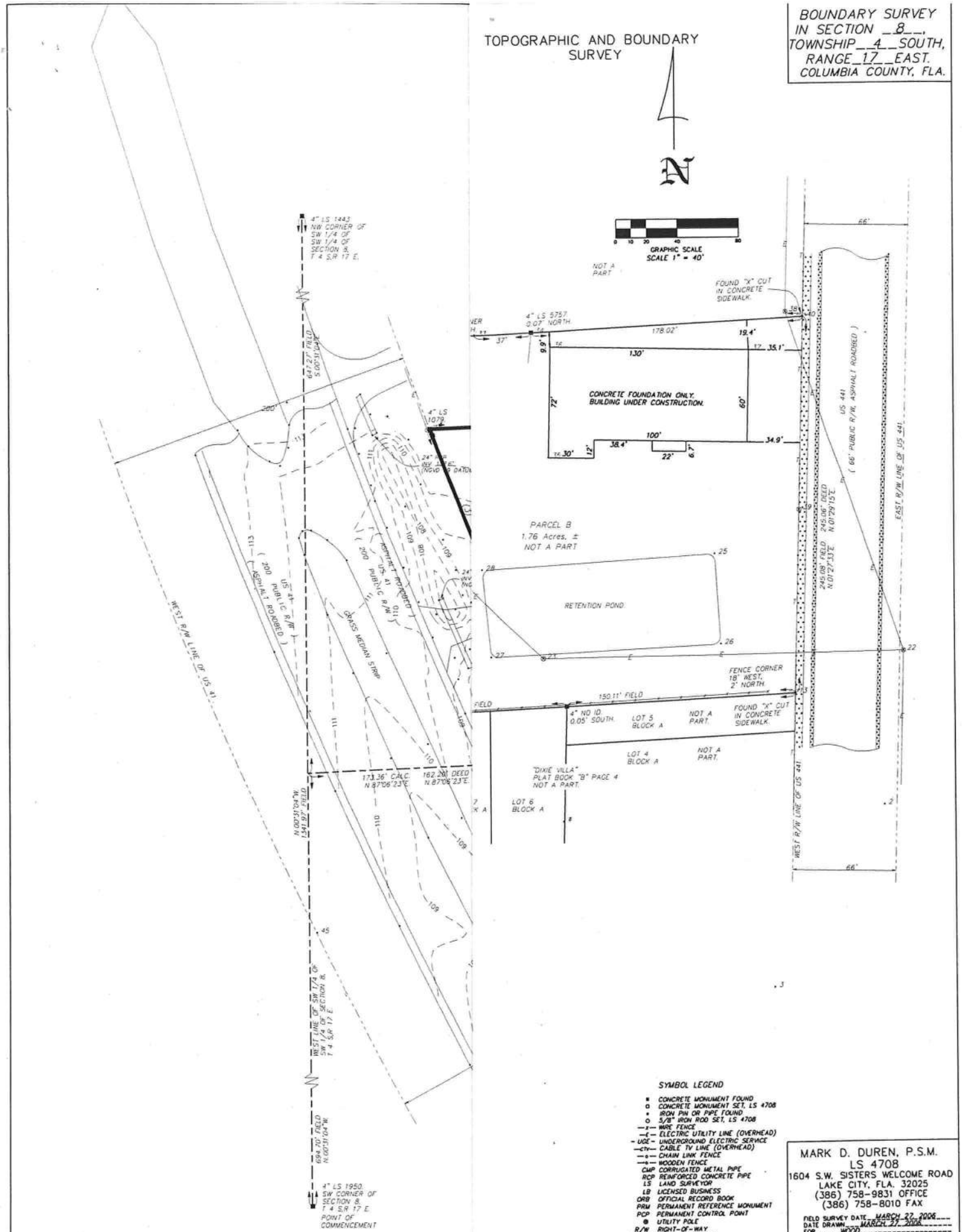
Description/ITE Code	Units	Expected Units	Expected Daily Trips	PM Peak Trips - Total	PM In	PM Out
Truck Terminal 030	Acres					
General Light Industrial 110	TSF Gross	50.0	349	49	6	43
Mini Warehouse 151	TSF Gross					
Single Family Homes 210	DU					
Apartments 220	DU					
Mobile Home Park 240	DU					
Assisted Living 254	DU					
All Suites Hotel 311	Rooms					
Motel 320	Rooms					
Marina 420	Berths					
Health/Fitness Club 493	TSF Gross					
Church 560	TSF Gross					
Daycare Center 565	TSF Gross					
General Office 710 (Equation)	TSF Gross	3.3	96	83	14	68
General Office 710 (Rate)	TSF Gross					
Medical Dental Office 720	TSF Gross					
Building Materials/Lumber 812	TSF Gross					
Hardware/Paint Store 816	TSF Gross					
Nursery (Garden Center) 817	TSF Gross				Not Available	Not Available
Shopping Center 820 (Equation)	TSF Gross					
Shopping Center 820 (Rate)	TSF Gross					
Quality Restaurant 931	TSF Gross					
High Turnover/Sit Down Rest. 932	TSF Gross					
Fast Food w/o Drive Thru 933	TSF Gross					
Fast Food with Drive Thru 934	TSF Gross					
Drive Thru Only 935	TSF Gross		Not Available			
Service Station 944	Fuel Position					
Serv.Station w/ Conven.Mkt 945	Fuel Position					
Tire Store 848	Service Bays		Not Available			
Supermarket 850	TSF Gross					
Convenien. Mkt (Open 24 hrs) 851	TSF Gross					
Convenien. Mkt (Open 16 Hrs) 852	TSF Gross		Not Available			
Convenien. Mkt w/ Gas Pumps 853	TSF Gross					
Discount Club 861	TSF Gross					
Pharmacy/Drugstore w/ Drive-thru 881	TSF Gross					
Furniture Store 890	TSF Gross					
Walk-In Bank 911	TSF Gross					
Drive-In Bank 912	Drive-In Lanes					
			445	**132**	**20**	**112**

P:\2006\PF06-198 A-1 Electric Commercial Site\FDOT\Excel\[20071112_FDOT TRIP GEN 7th1.xls]Calculations
28-Nov-07

11-28-07

TOPOGRAPHIC AND BOUNDARY SURVEY

BOUNDARY SURVEY
IN SECTION 8,
TOWNSHIP 4 SOUTH,
RANGE 17 EAST.
COLUMBIA COUNTY, FLA.



SYMBOL LEGEND

■	CONCRETE MONUMENT FOUND
□	CONCRETE MONUMENT SET, LS 4708
•	IRON PIN OR PIPE FOUND
○	5/8" IRON ROD SET, LS 4708
—x—	WIRE FENCE
—E—	ELECTRIC UTILITY LINE (OVERHEAD)
UGE	UNDERGROUND ELECTRIC SERVICE
—CTV—	CABLE TV LINE (OVERHEAD)
—o—	CHAIN LINK FENCE
—o—	WOODEN FENCE
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
LS	LAND SURVEYOR
LB	LICENSED BUSINESS
ORB	OFFICIAL RECORD BOOK
PRM	PERMANENT REFERENCE MONUMENT
PCP	PERMANENT CONTROL POINT
⊗	UTILITY POLE
R/W	RIGHT-OF-WAY
NO ID.	NO IDENTIFICATION
FLA. D.O.T.	FLA. DEPT. OF TRANSPORTATION
℄	CENTERLINE
C.M.	CONCRETE MONUMENT
I.R.	IRON ROD
I.P.	IRON PIPE

SIGNED: _____
MARK D. DUREN, LS 4708

MARK D. DUREN, P.S.M.
LS 4708
1604 S.W. SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE MARCH 27, 2006
DATE DRAWN MARCH 27, 2006
FOR WOOD
FIELD BOOK 183 PAGE 23
DRAWN BY MARK DUREN & CONNER A. DYAL
WO# 06-129
REV. 03-804

...\CAD\top01.dgn 11/12/2007 5:10:05 PM

ORIGINAL INVENTORY 11/30/45 PSB		5 YR INV	SLD REV	BMP	EMP	INTERIM REV INV
	DATE	07/13/06	08/07/06			
	BY	URS	URS			

COUNTY	DISTRICT	ROADWAY ID	SHEET NO.:
COLUMBIA	2	29 030 000	3 OF 3

20 — 22

ROADWAY FEATURES

131 SW TUSTENUGGE 20.186 A

HWY 41=>|<=SW MAIN BLVD

ST A

SW CORONADO ST 21.562 A

SW MICHIGAN 21.695 A

LEGEND:
A-ASPHALT
B-BRICK
C-CONCRETE
O-OTHER

48.0' - 24.0'
2 - 12.0' RDWY
2 - 4.0' PVD SHLD1
2 - 8.0' LWN SHLD2

LANE WIDTHS ARE AVERAGED

ROADWAY COMPOSITION
28/FC-2
28/FC-2

HORIZONTAL ALIGNMENT
CURVE DATA IS NOT FIELD VERIFIED

B=N60°31'00"E

STRUCTURE DESCRIPTION
21.555 1-18" X 89' CC
21.615 1-18" X 72' CC
21.691 1-18" X 81' CC
21.817 1-24" X 163' CC
21.928 1-18" X 77' CC

DISTRICT USE

SIS

FUNCTIONAL CLASSIFICATION
URBAN OTHER PRINCIPAL ARTERIAL

22 — 24

ROADWAY FEATURES

22.004 INSIDE CITY & URBAN LAKE CITY, LAKE CITY

BASCOM NORRIS DR 22.202 A

ENT TO BANK

MALONE ST 22.202 A

SW BENTLEY PL

10A BAYA AVE 23.578 A

SW BROWN ST 23.607 A

SW CAMP ST 23.658 A

SW KNOX ST 23.751 A

SW MEANS ST 23.798 A

SW TUCKER ST 23.844 A

SW ST JOHNS ST 23.890 A

SW NASSAU ST 23.935 A

DUVAL ST 23.949 A

3520
2000

90 10

LEGEND:
A-ASPHALT
B-BRICK
C-CONCRETE
O-OTHER

LANE WIDTHS ARE AVERAGED

End MP: 23.949
NET ROADWAY ID LENGTH: 23.949

ROADWAY COMPOSITION
28/FC-2
28/FC-2

HORIZONTAL ALIGNMENT
CURVE DATA IS NOT FIELD VERIFIED

STRUCTURE DESCRIPTION
22.324

DISTRICT USE

SIS

FUNCTIONAL CLASSIFICATION
URBAN OTHER PRINCIPAL ARTERIAL

C:\SLD'S FROM URS\29030000c.dgn
PRINTED: 8/11/2006 2:05:24 PM

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

RECEIPT OF CONNECTION APPLICATION AND FEE (OR WAIVER OF FEE)

850-040-16
SYSTEMS PLANNING
06/06

IMPORTANT NOTE: Even though your application has been accepted, it may not be complete. We will contact you if more information is needed.

(1) APPLICATION NUMBER: 07-A-292-61

APPLICANT:

(2) Name/Address WILLIAM G. WOOD
P.O. BOX 3535
LAKE CITY, FL.3256

(3) Project Name: WIND TECH CONTRACTING CORP.

(4) Fee

		VEHICLES PER DAY	FEE
○	Category A	1-20	$50.00
◉	Category B	21-600	$250.00
○	Category C	601-1,200	$1,000.00
○	Category D	1,201-4,000	$2,000.00
○	Category E	4,001-10,000	$3,000.00
○	Category F	10,001-30,000	$4,000.00
○	Category G	30,001 +	$5,000.00
○	Temporary		$250.00
○	Safety		NO FEE
○	Government Entity		NO FEE

RECEIPT NO.: 86289

(5) Application Fee Collected $ 250.00

Payment Type:
Money Order ○
Check ◉ Check Number 028125
Cash ○

(6) Fee Collected By

Name DALE L. CRAY (PRINT)
Signature [signature]
Date: 1-09-2008 District 2 Unit 292

(7) Receipt Given Back to Applicant Via

○ Hand Delivery ○ Mail ○ Courier Service ○ Other

Applicant (or Agent) Signature (if available) _____

This form bears your application number and serves as your receipt.

(8) If fee is waived, give justification below or on separate sheet.

FOR AGENCY USE ONLY - ATTACH COPY OF CHECK ON THE NEXT PAGE
Make Checks payable to: State of Florida Department of Transportation

Form 350-080-32
Comptroller
General Accounting

RECORD OF SALE OF GOODS OR SERVICE/RECEIPT TRANSMITTAL

DISTRICT OFFICE 2/Maintenance **CUSTODIAN NO.** _____

SOLD TO:

NAME: William G. Wood

ADDRESS: P. O. Box 3535

Lake City, FL 32056

DELIVERY:

☐ PICK UP: _____ RECEIVED BY (SIGNATURE)

☐ SHIP TO:

SOLD TO ADDRESS:

CONTACT: _____

TELEPHONE NO. _____

68298

PAYMENT METHOD

☒ INDIVIDUAL SALE: AMOUNT OF CHECK $ 250.00 AND / OR AMOUNT OF CASH $ _____

☐ BATCH TRANSMITTAL: AMOUNT OF CHECKS $ _____ AND / OR AMOUNT OF CASH $ _____

☐ SALE ON ACCOUNT: ACCOUNT # _____ (Send copy to Accounts Receivable - MS 42)

DESCRIPTION OF SALE(S)

DESCRIPTION OF SALE	UNIT PRICE	SUBTOTAL	SALES TAX	DISCRET. TAX	TOTAL
Connection Fee	250.00				250.00
P #07-A-292-61					
GRAND TOTAL					250.00

TRANSACTION AUTHORIZED BY:

Rana Crawford — PRINT NAME

Rana Crawford — SIGNATURE

386-961-7180 — TELEPHONE NO.

1-09-08 — DATE

IF SALE ON ACCOUNT PERSON AUTHORIZING SALE

_____ PRINT NAME

_____ SIGNATURE

_____ TELEPHONE NO.

_____ DATE

COST DISTRIBUTION

ORGANIZATION CODE	EO	OBJECT	AMOUNT	FINANCIAL PROJ. (11 DIGITS)	B	EOB
55-910200000	HM	004029	250.00	2139401A102	1	393

iginal, Cashier's Office, or Accounts Receivable (if sale on Account) MS 42 Copies - (1) Customer (1) Financial Reporting, MS 42 (1) Retained in Custodial Office

Columbia Bank
Banking on a first name basis

CASHIER'S CHECK

028125

63-64/631

Lake City, Florida 32055

Wind-Tech Contracting Corp.
Remitter

DATE 1/8/2008

PAY TO THE ORDER OF D.O.T.

$ 250.00

Two Hundred Fifty dollars**********

NOTICE TO CUSTOMER

AS A CONDITION TO THIS INSTITUTION'S ISSUANCE OF THIS CHECK, PURCHASER AGREES TO PROVIDE AN INDEMNITY BOND PRIOR TO THE REFUND OR REPLACEMENT OF THIS CHECK IN THE EVENT IT IS LOST, MISPLACED OR STOLEN.

The security features on this document include; a step and repeat background and micro-print signature line, absence of these features will indicate a copy.

MP

⑈028125⑈ ⑆063100646⑆ 4855⑈ 07-A-292-61

GTC DESIGN GROUP

WIND TECH CONTRACTING CORP.

SECTION: 29030, MP: 21.321
FDOT DRIVEWAY/CONNECTION
PERMIT APPLICATION PACKAGE

11-28-07

Brett Crews, P.E. 65592
176 SW Lake Jeffery Road
Lake City, FL 32055
Ph. (386) 719-9985
Fax (386) 362-6133

TABLE OF CONTENTS

SUMMARY

Mr. William Wood is proposing a new commercial site and FDOT connection. The new driveway connection to SR 25 / US 41 is at MP 21.321 of Section 29030. The proposed new construction consists of 3,328 SF of buildings, 21,595 SF of asphalt pavement, and a stormwater management system. The paved area shall include a total of 9 parking spaces. The former name of this job was The Plaza @ 41 South, the stormwater calculation report still shows this name prior to Wind Tech Contracting Corp.

STORMWATER SUMMARY

David Cheatham is proposing to develop 3 acres in Columbia County. The project is located near the intersection of US 41 and US 441. The proposed development will consist of 3,328 ft^2 of buildings and 19,794 ft^2 of pavement with an additional 50,000 ft^2 of impervious cover to be added later (total proposed impervious cover is 73,122 ft^2).

GTC DESIGN GROUP

GTC Design Group, LLC
176 NW lake Jeffrey Road
Lake City, FL 32055
(Phone) 386.719-9985
(Fax) 386.362.6133

PROJECT COVER LETTER

Mr. Neil Miles
Florida Department of Transportation
Lake City Maintenance
710 Lake Jeffery Rd
Lake City, FL 32055

Re: Wind Tech Contracting Corp.

Dear Mr. Miles:

The following information is being submitted for the above referenced permit:

1. Permit Type Proposed: Driveway Access Connection
2. Date Submitted to Lake City Maint. Permits Office: November , 2007
3. State Highway submitted for: 25
4. State Highway Section No.: 29030
5. Mile Post Location: Begin: 21.321 End: 21.321
6. Name of Applicant (Landowner or Company Name here): William G. Wood
   (Note: If applicant is any one other than what's shown on the Legal Property Deed then an Authorization Letter from the Landowner will be required.)
7. Applicant's Address: P.O. Box 3535, Lake City, FL 32056
8. Applicant's Phone Number: 386-755-8699
9. Applicant's E-Mail Address:
10. Permittee Legal Name (must be legal name of person or company on County Deed): William G. Wood
11. Permittee Address: Same as above
12. Permittee Office Phone No.: 386-755-8699
13. Engineering Agent (individual) submitting for permit review: Brett Crews
14. Submitting Engineering Company Name: GTC Design Group, LLC
15. Address of Engineering Office: 176 NW Jeffrey Rd. Lake City, FL 32055
16. Land Line & Cell Phone No. to submitting Engineer/Agent: (386) 719-9985
17. E-Mail Address to Eng./Agent: bcrews@gtcdesigngroup.com

18. Other Engineering Offices connected to permitting (not shown above):_____

19. Five (5) Original signed Contiguous Interest Form: ☒ Yes ☐ No

20. Five (5) Property Warrantee Deed: ☒ Yes ☐ No

21. Five (5) Drainage Application Forms 592-12 if making drainage connection submittal:
☒ Yes ☐ No (Note: Only required if an actual drainage permit is being applied for)

22. Drainage Connection Form 592-13 Submitted: ☒ Yes ☐ No
(Note: Only required if an actual drainage permit is being applied for)

Note that five (5) signed/sealed drainage studies are required every time you submit for an Access Permit.

23. Access Forms:

a. Five (5) sets signed/sealed Access Permit Form 850-040-15 Submitted: ☒ Yes ☐ No
b. Five (5) sets signed/sealed Access Permit Form 850-040-18 Submitted: ☐ Yes ☒ No

24. Number of Access & Site Plans Submitted (minimum of five (5) full plans sets): 5

25. Five (5) Original Signed Sets of the NPDES Memorandum (with original signatures required):
☒ Yes ☐ No (over 1 acre, Stormwater Management NOI attachment required).

Additional NOI Included: ☒ Yes ☐ No

26. Methodology Meeting Requested (where the anticipated total ADT's to exceed 1200 at full site buildout):
☐ Yes ☒ No

27. Traffic Impact Study Submitted: ☐ Yes ☒ No

28. What year ITE manual did you use to gain the information submitted.
(Only 2007 currently being utilized): ITE 2007

29. Most current ITE Manual Code No(s) used to determine ADT's: 110, 710

30. From most current ITE Manual, what is your total ADT (average daily trips or TSF (total square footage) for the full buildout of your site/project: 445 ADT

31. Number of separate units/parcels planned at full buildout: 1

32. Number of signed/sealed Site Plans being submitted: 5

33. Have you officially requested or are you requesting a separate on-site field review by D2 Review Team in your official submittal? ☒ Yes ☐ No

SUMMARY: Mr. William Wood is proposing a new commercial site and FDOT connection. The new driveway connection to SR 25 / US 41 is at MP 21.321 of Section 29030. The proposed new construction consists of 3,328 SF of buildings, 21,595 SF of asphalt pavement, and a stormwater management system. The paved area shall include a total of 9 parking spaces. Future buildings will warehouse construction materials for his business.

Please submit this cover letter sheet information on top of all submittals to the Lake City Permits Office with all 1st review submittals, both Access and Drainage Connection Permits. In most cases a minimum of five (5) sets with original signatures on all plans and legal documents/forms are required at the time of official submittal.

Project Summary
Entire House
Country Comfort Heating & A. C.

Job: New Office
Date: 9-10-07
By: AW

Sisters Welcome Rd., Lake City, Fl 32025 Phone: 386-752-5841

Project Information

For: Chris Williams
Sisters welcome road, Lake City, Fl 32025
Phone: 752-5841

Notes: New Office

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	25	°F
Inside db	70	°F
Design TD	45	°F

Summer Design Conditions

Outside db	97	°F
Inside db	78	°F
Design TD	19	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	30	gr/lb

Heating Summary

Structure	28811	Btuh
Ducts	1441	cfm
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	30252	Btuh

Sensible Cooling Equipment Load Sizing

Structure	16642	Btuh
Ducts	1664	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.02	
Equipment sensible load	18672	Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft²)	1500	1500
Volume (ft³)	13500	13500
Air changes/hour	1.00	0.50
Equiv. AVF (cfm)	225	113

Latent Cooling Equipment Load Sizing

Structure	4587	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	4587	Btuh
Equipment total load	23260	Btuh
Req. total capacity at 0.70 SHR	2.2	ton

Heating Equipment Summary

Make AmStd
Trade Heritage 12
Model 2A6H4030A1

Efficiency	8.4 HSPF	
Heating input		
Heating output	30800	Btuh @ 47°F
Temperature rise	35	°F
Actual air flow	792	cfm
Air flow factor	0.026	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat		

Cooling Equipment Summary

Make AmStd
Trade Heritage 12
Cond 2A6H4030A1
Coil TWE031E13

Efficiency	14 SEER	
Sensible cooling	21700	Btuh
Latent cooling	9300	Btuh
Total cooling	31000	Btuh
Actual air flow	792	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.80	

Bold/Italic values have been manually overridden

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Calculation Procedures A, B, C, D
Entire House
Country Comfort Heating & A. C.

Job: New Office
Date: 9-10-07
By: AW

Sisters Welcome Rd., Lake City, Fl 32025 Phone: 386-752-5841

Procedure A - Winter Infiltration HTM Calculation*

1.	Winter infiltration AVF 1.00 ach	x	13500	ft³	x 0.0167	=	225	cfm
2.	Winter infiltration load 1.1 x225 cfm	x	45	°F	Winter TD =		11138	Btuh
3.	Winter infiltration HTM 11138 Btuh	/	202	ft²	Total window and door area =		55.1	Btuh/ft²

Procedure B - Summer Infiltration HTM Calculation

1.	Summer infiltration AVF 0.50 ach	x	13500	ft³	x 0.0167	=	113	cfm
2.	Summer infiltration load 1.1 x113 cfm	x	19	°F	Summer TD =		2351	Btuh
3.	Summer infiltration HTM 2351 Btuh	/	202	ft²	Total window and door area =		11.6	Btuh/ft²

Procedure C - Latent Infiltration Gain

0.68	x30	gr/lb	moist.diff.	x	113 cfm	=	2287 Btuh

Procedure D - Equipment Sizing Loads

1. Sensible sizing load

Sensible ventilation load 1.1 x 0 cfm vent.	x	19	°F	Summer TD	=	0 Btuh
Sensible load for structure (Line 19)					+	18306 Btuh
Vent + structure + other equip loads					=	18306 Btuh
Rating and temperature swing multiplier					x	1.02
Equipment sizing load - sensible					=	18672 Btuh

2. Latent sizing load

Latent ventilation load 0.68 x 0 cfm vent.	x	30	gr/lb	moist.diff.	=	0 Btuh
Internal loads = 230 Btuh	x	10	people		+	2300 Btuh
Infiltration load from Procedure C					+	2287 Btuh
Equipment sizing load - latent					=	4587 Btuh

*Construction Quality is: a No. of Fireplaces is: 0

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Window Data

Job: New Office
Date: 9-10-07
By: AW

Country Comfort Heating & A. C.

Sisters Welcome Rd., Lake City, Fl 32025 Phone: 386-752-6841

WNDW	SKY	ORI	GLAZ	LOWE	STRM	SHAD	NGLZ	INCL	SHCO	OVRX	OVRY	WHGT	CHTM	WNAR	SHAR
Total Building															
3C0	n	n	c	n	n	d	2	90.0	1.0	1.6	1.0	5.0	15.6	80.0	0.0
3C0	n	w	c	n	n	d	2	90.0	1.0	1.6	1.0	5.0	45.6	40.0	2.6
3C0	n	e	c	n	n	d	2	90.0	1.0	1.6	1.0	5.0	45.6	40.0	2.6

Right-J Worksheet
Entire House
Country Comfort Heating & A. C.

Job: New Office
Date: 9-10-07
By: AW

Sisters Welcome Rd., Lake City, Fl 32025 Phone: 386-752-5841

	MANUAL J: 7th Ed.					Entire House 170.0 ft 9.0 ft heat/cool d			Total Building 170.0 ft 60.0 x 25.0 ft 9.0 ft heat/cool								
1	Name of room																
2	Length of exposed wall																
3	Room dimensions																
4	Ceilings	Condit. Option															
	TYPE OF EXPOSURE		CST NO.	HTM Htg	HTM Clg	Area (ft²)	Load (Btuh) Htg	Load (Btuh) Clg	Area (ft²)	Load (Btuh) Htg	Load (Btuh) Clg	Area	Htg	Clg	Area	Htg	Clg
5	Gross Exposed walls and partitions	a	12H2	2.7	1.4	1530			1530								
		b		0.0	0.0	0			0								
		c		0.0	0.0	0			0								
		d		0.0	0.0	0			0								
		e		0.0	0.0	0			0								
		f		0.0	0.0	0			0								
6	Windows and glass doors Heating	a	3C0	32.6	**	160	5220		160	5220							
		b		0.0	**	0	0		0	0							
		c		0.0	**	0	0		0	0							
		d		0.0	**	0	0		0	0							
		e		0.0	**	0	0		0	0							
		f		0.0	**	0	0		0	0							
7	Windows and glass doors Cooling	North			15.6	85		1330	85		1330						
		NE/NW			0.0	0		0	0		0						
		E/W			45.6	75		3409	75		3409						
		SE/SW			0.0	0		0	0		0						
		South			0.0	0		0	0		0						
		Horz			0.0	0		0	0		0						
8	Other doors	a	71D	0.0	0.0	21	0	0	21	0	0						
		b	11C0	21.1	10.6	21	444	223	21	444	223						
		c		0.0	0.0	0	0	0	0	0	0						
9	Net exposed walls and partitions	a	12H2	2.7	1.4	1328	3586	1801	1328	3586	1801						
		b		0.0	0.0	0	0	0	0	0	0						
		c		0.0	0.0	0	0	0	0	0	0						
		d		0.0	0.0	0	0	0	0	0	0						
		e		0.0	0.0	0	0	0	0	0	0						
		f		0.0	0.0	0	0	0	0	0	0						
10	Ceilings	a	16G0	1.6	1.4	1500	2228	2129	1500	2228	2129						
		b		0.0	0.0	0	0	0	0	0	0						
		c		0.0	0.0	0	0	0	0	0	0						
		d		0.0	0.0	0	0	0	0	0	0						
		e		0.0	0.0	0	0	0	0	0	0						
		f		0.0	0.0	0	0	0	0	0	0						
11	Floors (Note: room perimeter is displ. for slab floors)	a	22A0	36.5	0.0	170	6197	0	170	6197	0						
		b		0.0	0.0	0	0	0	0	0	0						
		c		0.0	0.0	0	0	0	0	0	0						
		d		0.0	0.0	0	0	0	0	0	0						
		e		0.0	0.0	0	0	0	0	0	0						
		f		0.0	0.0	0	0	0	0	0	0						
12	Infiltration Ventilation	a		55.1	11.6	202	11138 0	2351 0	202	11138 0	2351 0						
13	Subtotal loss=6+8..+11+12						28611			28611							
	Less external heating						0			0							
	Less transfer						0			0							
	Heating redistribution						0			0							
14	Duct loss					5%	1441		5%	1441		%			%		
15	Total loss = 13+14						30252			30252							
16	Int. gains: People @				300	10		3000	10		3000						
	Appl. @				1200	2		2400	2		2400						
17	Subtot RSH gain=7+8..+12+16							16642			16642						
	Less external cooling							0			0						
	Less transfer							0			0						
	Cooling redistribution							0			0						
18	Duct gain					10%		1664	10%		1664	%			%		
19	Total RSH gain=(17+18)*PLF					1.00		18306	1.00		18306						
20	Air required (cfm)						792	792		792	792						

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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:1TC98228Z0108063805

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-324--OWNER BUILDER Sales Office -- 755-8699 , **
Truss Count:	15
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.36, 7.37.
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 - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 11/08/2007

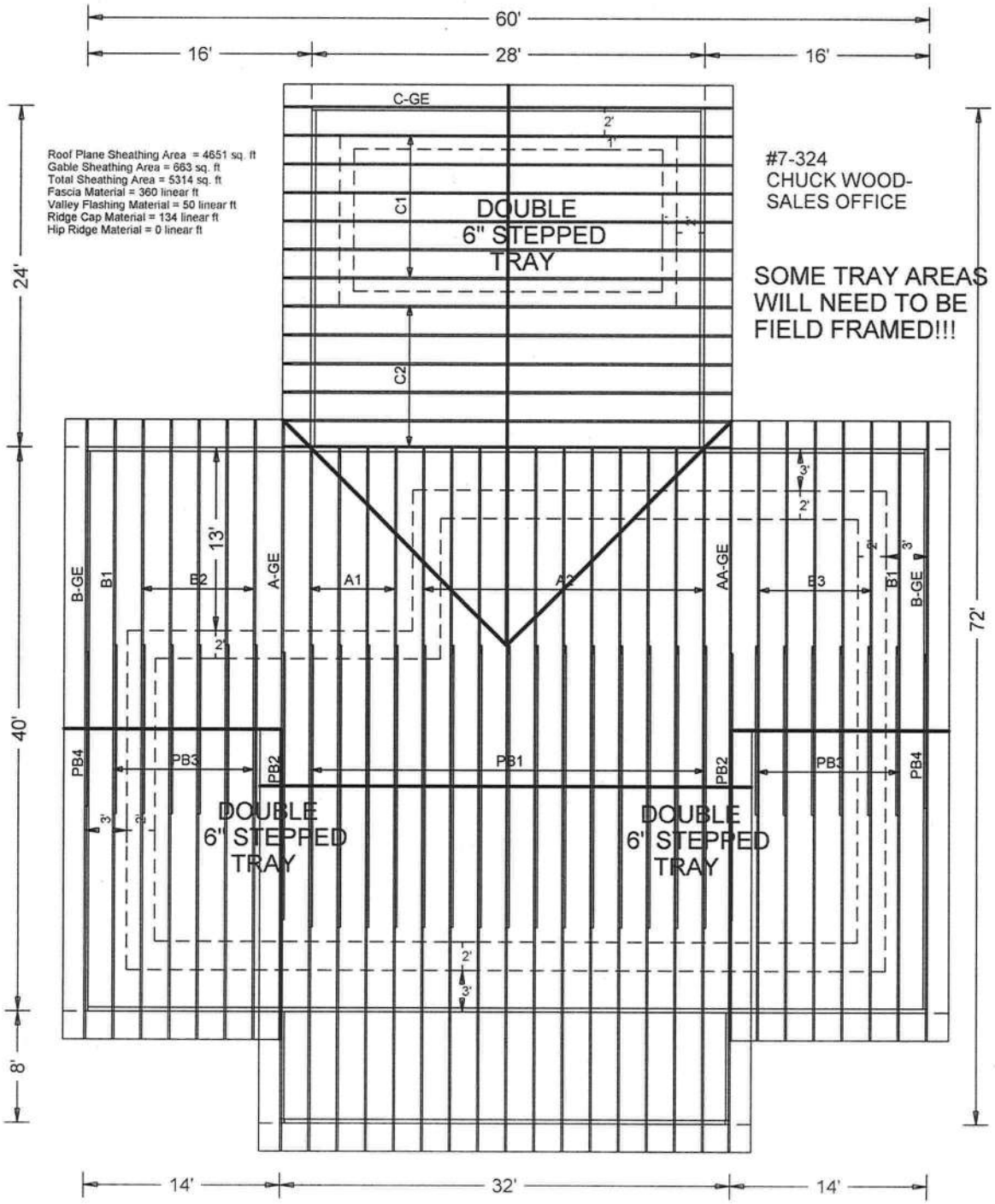
-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

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: HCUSR8228

Details: TCFILLER-BCFILLER-BRCLBSUB-TCFILLER-BCFILLER-REPBCFIL-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-A11030EE-

#	Ref Description	Drawing#	Date
1	02885--A2	07311006	11/07/07
2	02886--A1	07311015	11/07/07
3	02887--A-GE	07311007	11/07/07
4	02888--AA-GE	07311008	11/07/07
5	02889--B1	07311001	11/07/07
6	02890--B-GE	07311009	11/07/07
7	02891--B2	07311002	11/07/07
8	02892--B3	07311003	11/07/07
9	02893--C2	07311004	11/07/07
10	02894--C1	07311005	11/07/07
11	02895--C-GE	07311010	11/07/07
12	02896--PB3	07311011	11/07/07
13	02897--PB1	07311012	11/07/07
14	02898--PB2	07311013	11/07/07
15	02899--PB4	07311014	11/07/07



JOB DESCRIPTION:: OWNER BUILDER
/: Sales Office

JOB NO:
7-324

PAGE NO:
1 OF 1

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2, W4 2x4 SP #2 Dense:
Filler 2x4 SP #2 Dense

Calculated horizontal deflection is 0.11" due to live load and 0.18" due to dead load.

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

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

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

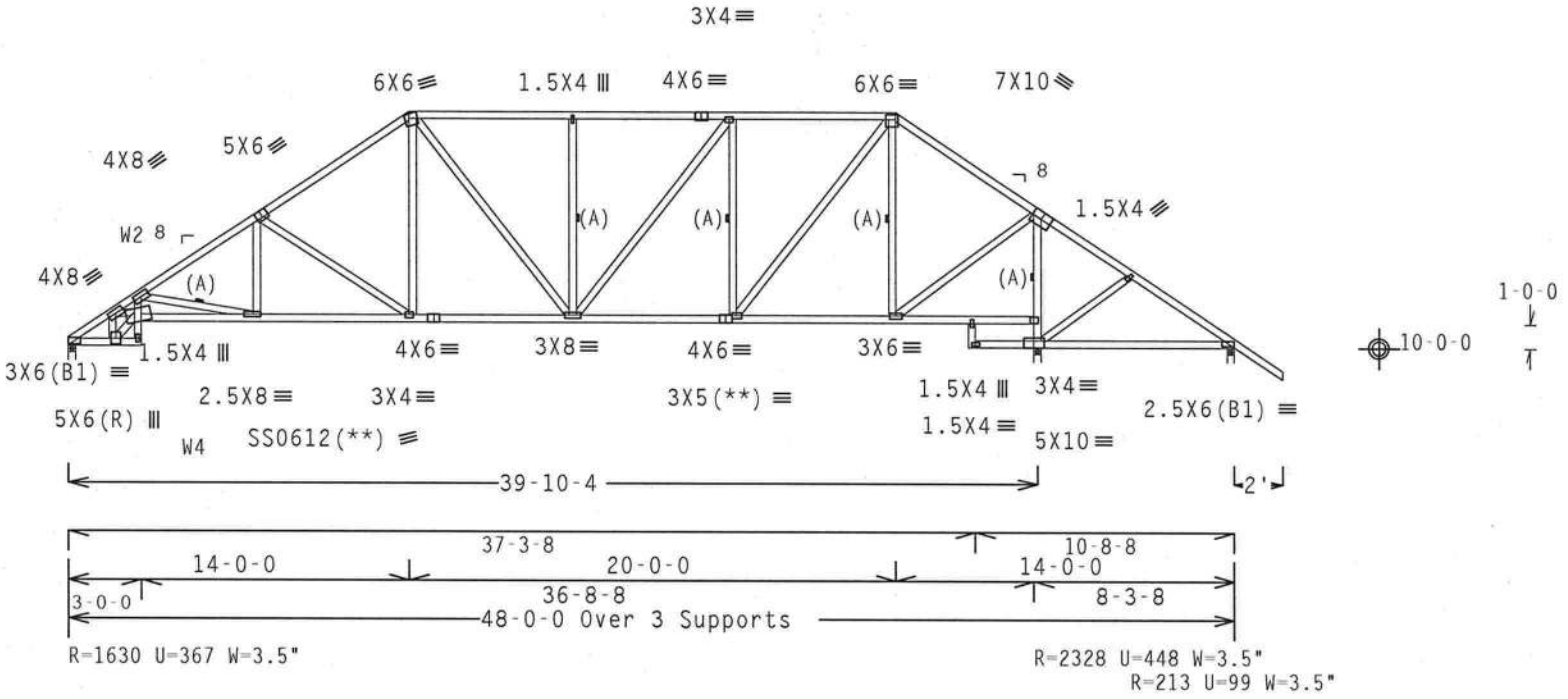
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 11 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF 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.

JAMES F. COLLINS, JR. LICENSE No. 52274 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 07,2007

TC LL	20.0 PSF	REF	R8228- 2885
TC DL	10.0 PSF	DATE	11/07/07
BC DL	10.0 PSF	DRW	HCUSR8228 07311006
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	59410
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense

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

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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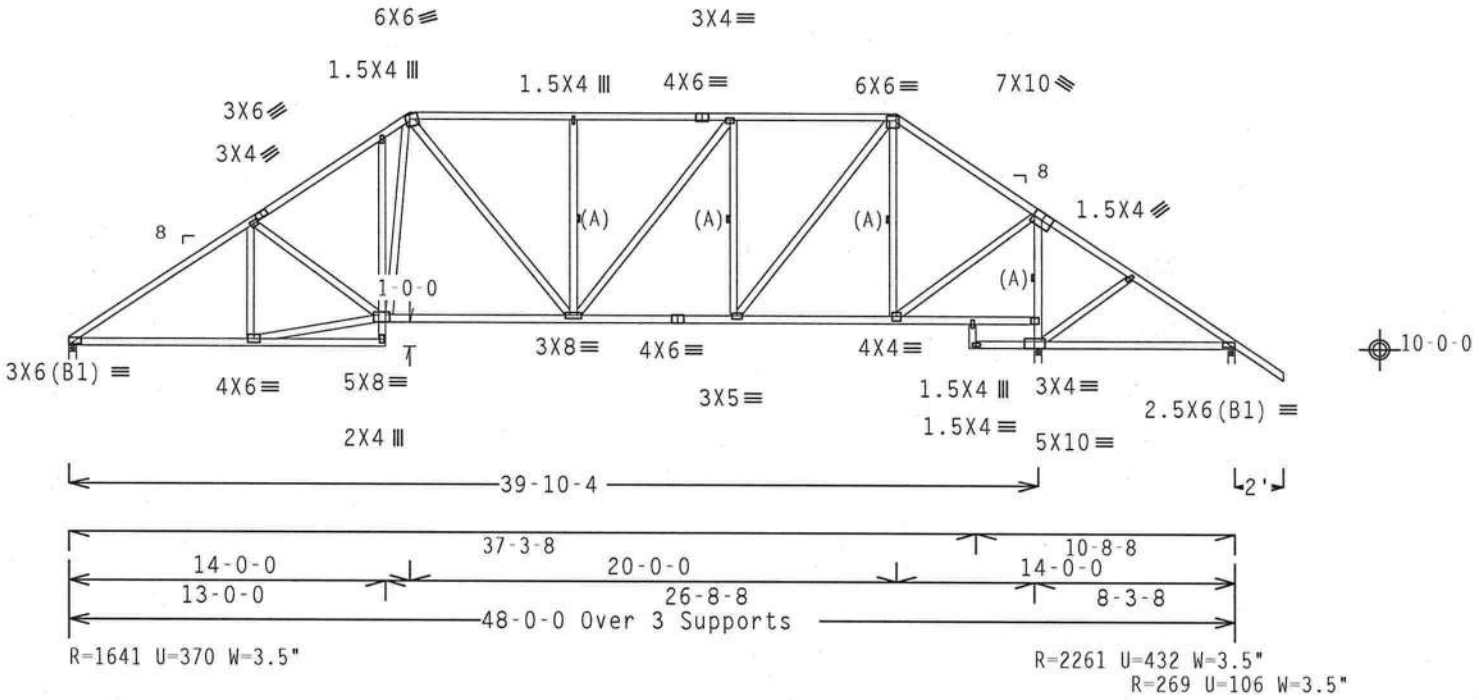

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 08 07

TC LL	20.0 PSF	REF R8228- 2886
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311015
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59419
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W26, W32 2x4 SP #2 Dense:
Filler 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

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

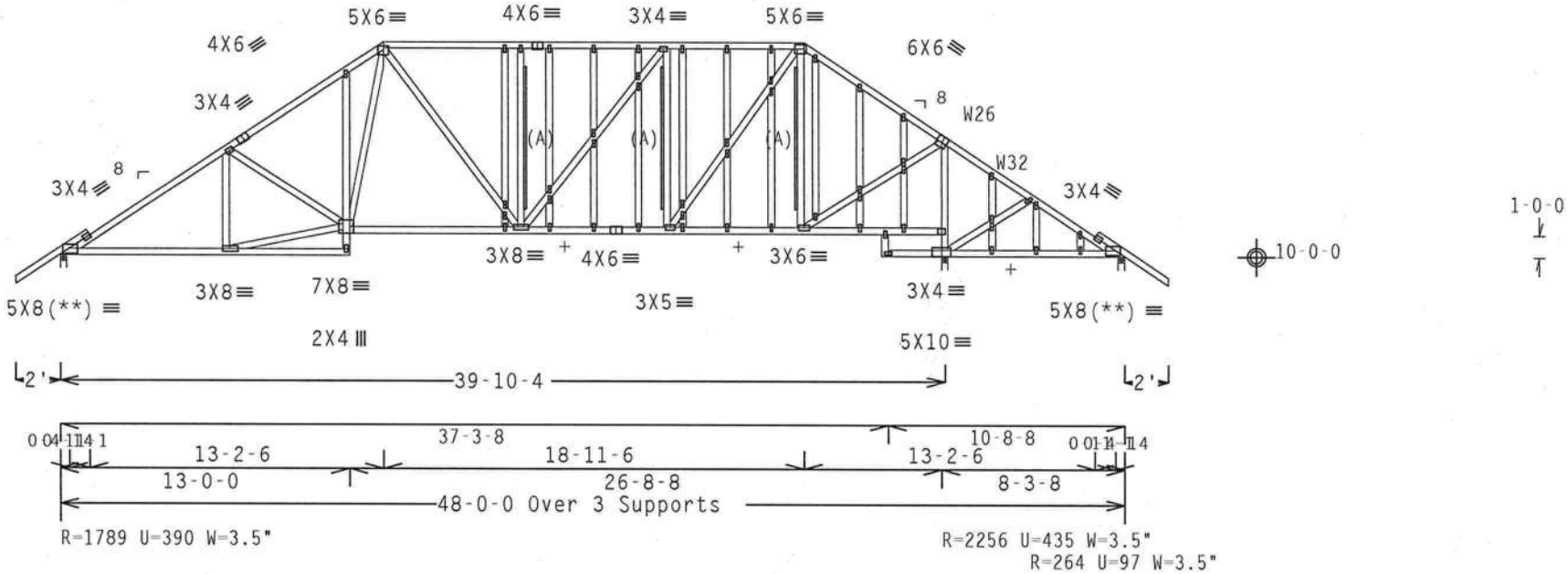
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.37.0521 12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0 PSF	REF R8228- 2887
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311007
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 5881 REV
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

(A) 1x4 #3 or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4, W29, W35 2x4 SP #2 Dense:
Filler 2x4 SP #2 Dense

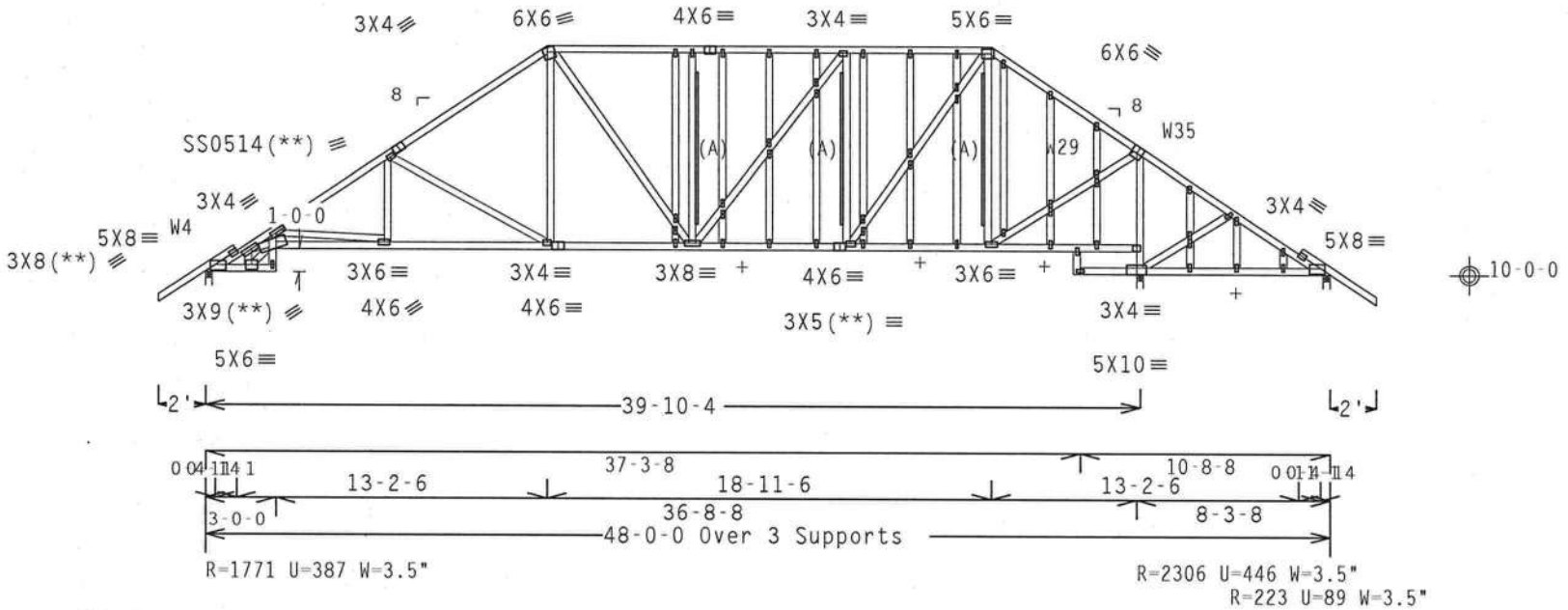
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

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

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 11 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 07,2007

TC LL	20.0 PSF	REF R8228- 2888
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311008
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59454
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

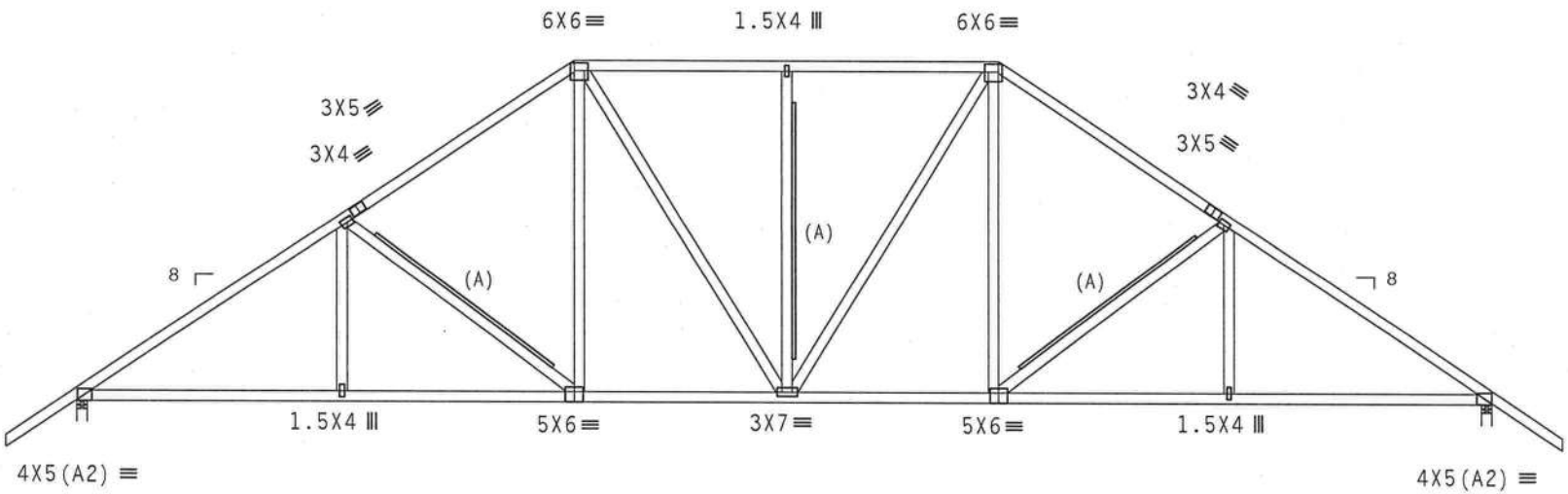
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.11

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0.278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov

TC LL	20.0 PSF	REF R8228- 2889
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311001
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 59237
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

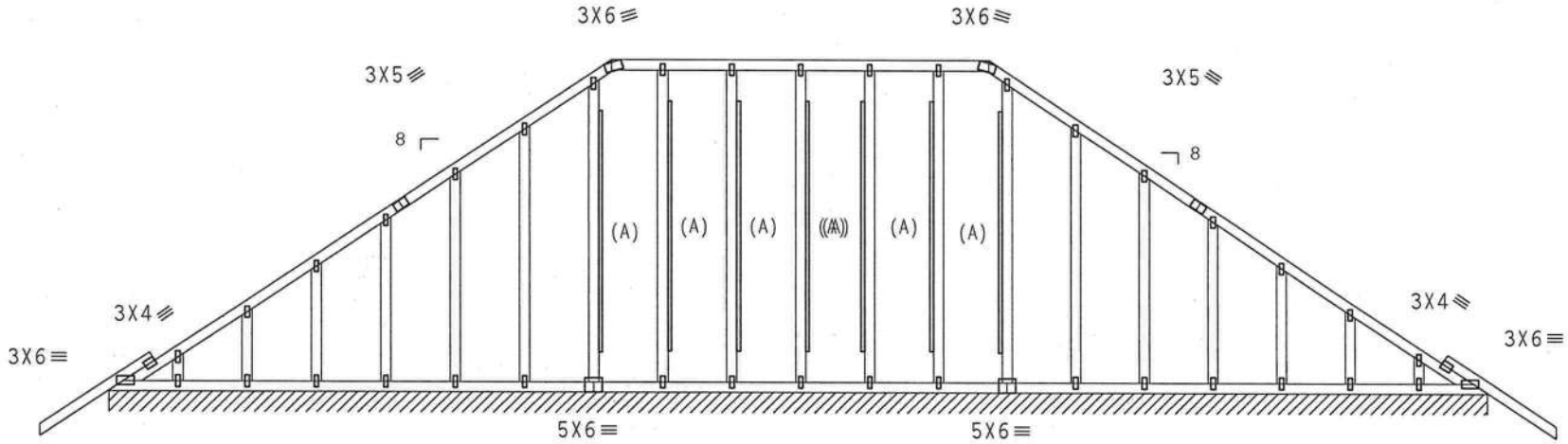
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

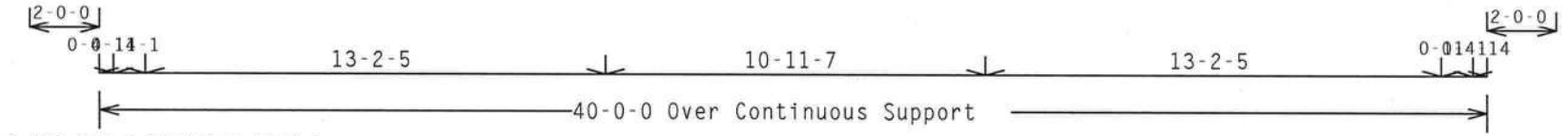
Wind reactions based on MWFRS pressures.

(A) 1x4 #3 or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.





R=180 PLF U=17 PLF W=40-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 08 07

TC LL	20.0 PSF	REF R8228- 2890
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311009
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59246
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W13, W15 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.13" due to live load and 0.21" due to dead load.

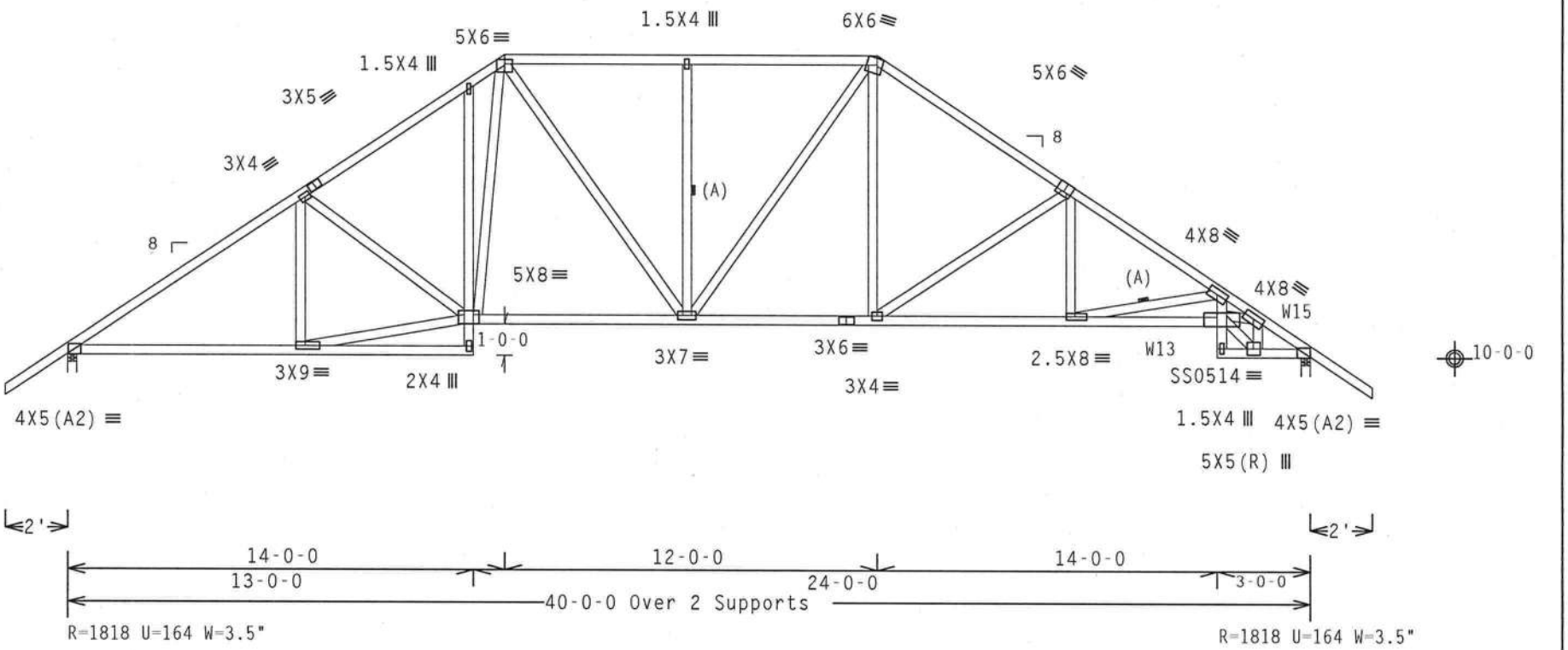
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 11 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 08

TC LL	20.0 PSF	REF R8228- 2891
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311002
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 59400
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:W2, W4, W16, W18 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.20" due to live load and 0.33" due to dead load.

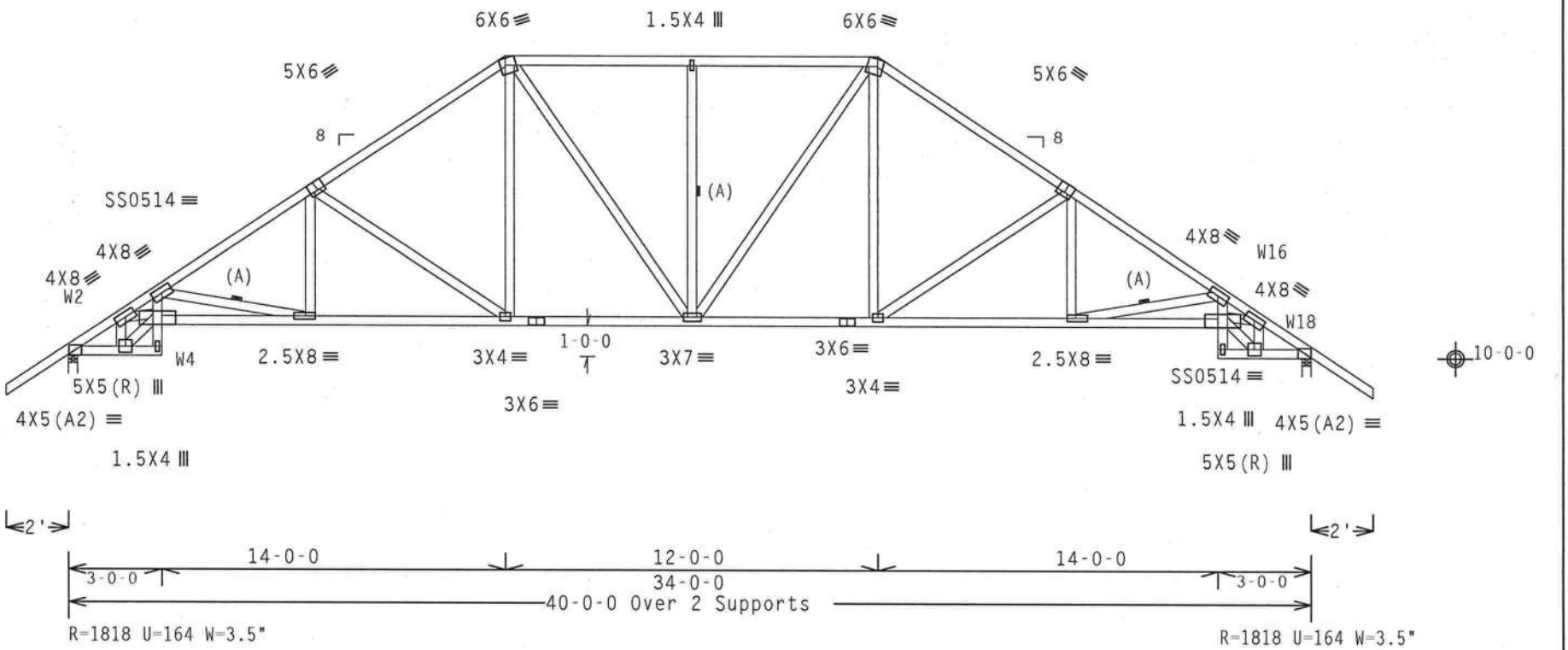
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '07

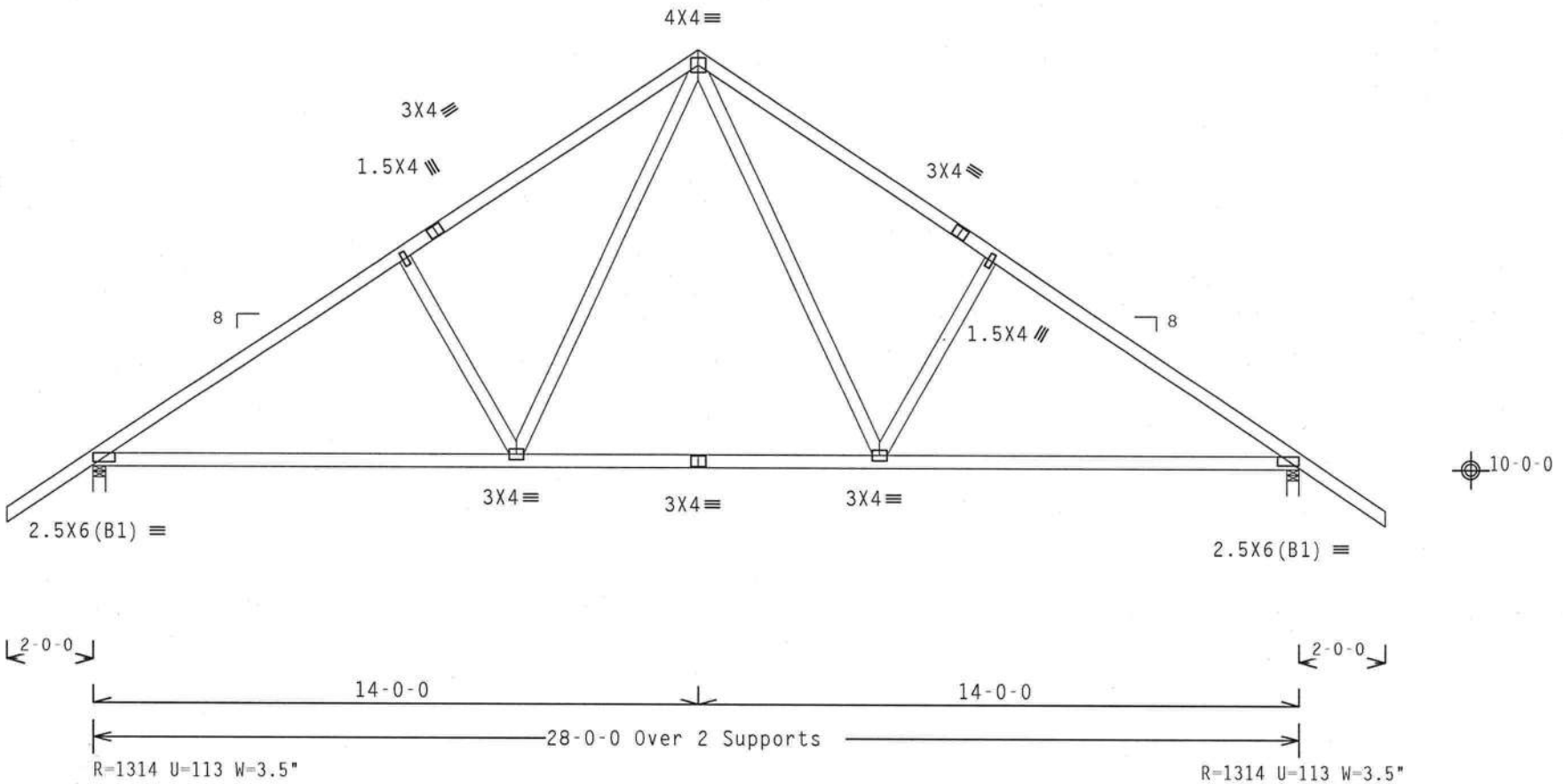
TC LL	20.0 PSF	REF R8228- 2892
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311003
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59392
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.11

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0 PSF	REF R8228- 2893
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311004
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 59183
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TC98228Z01

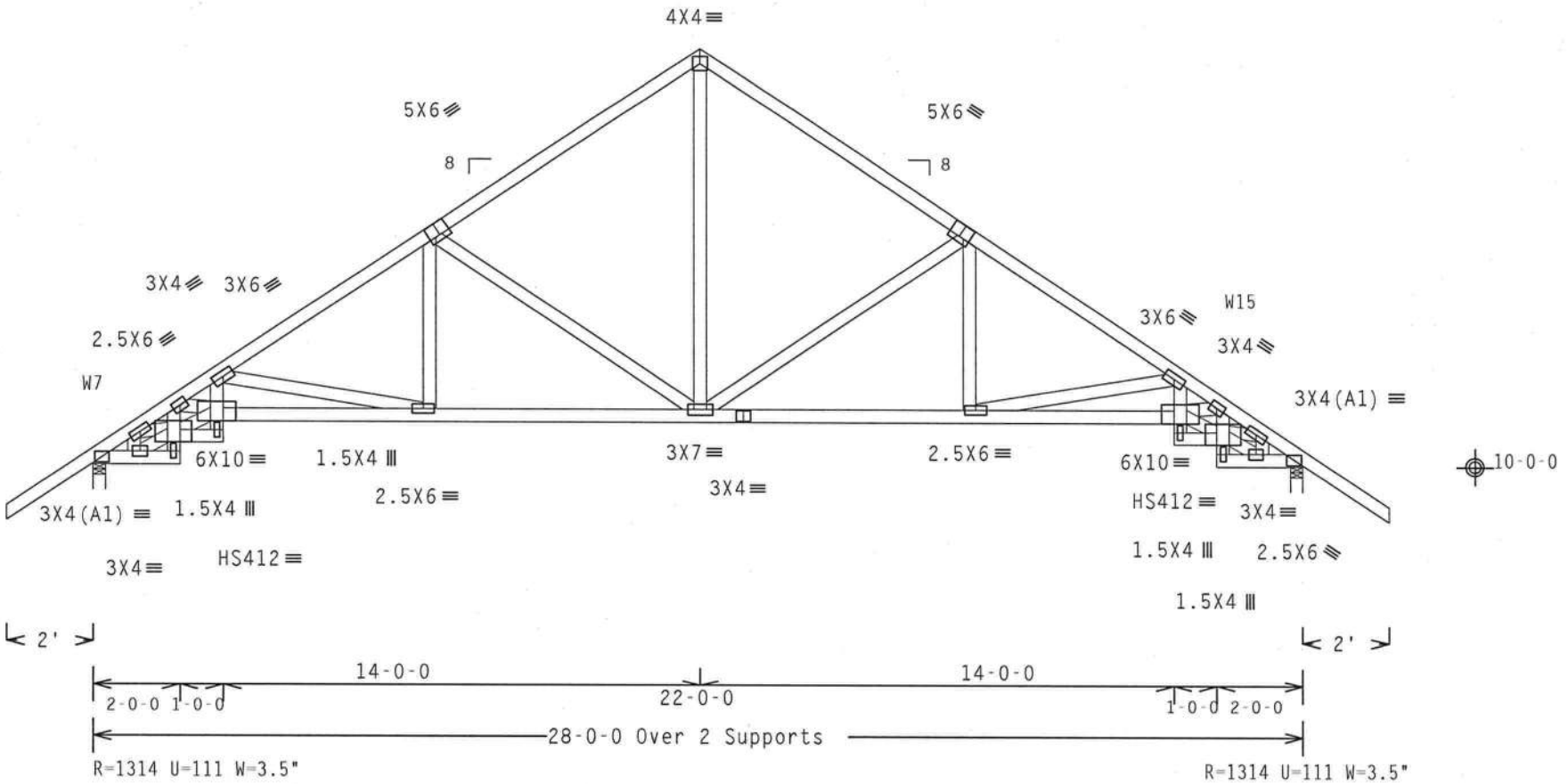
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W7, W15 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '07

TC LL	20.0 PSF	REF R8228- 2894
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311005
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 59459
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

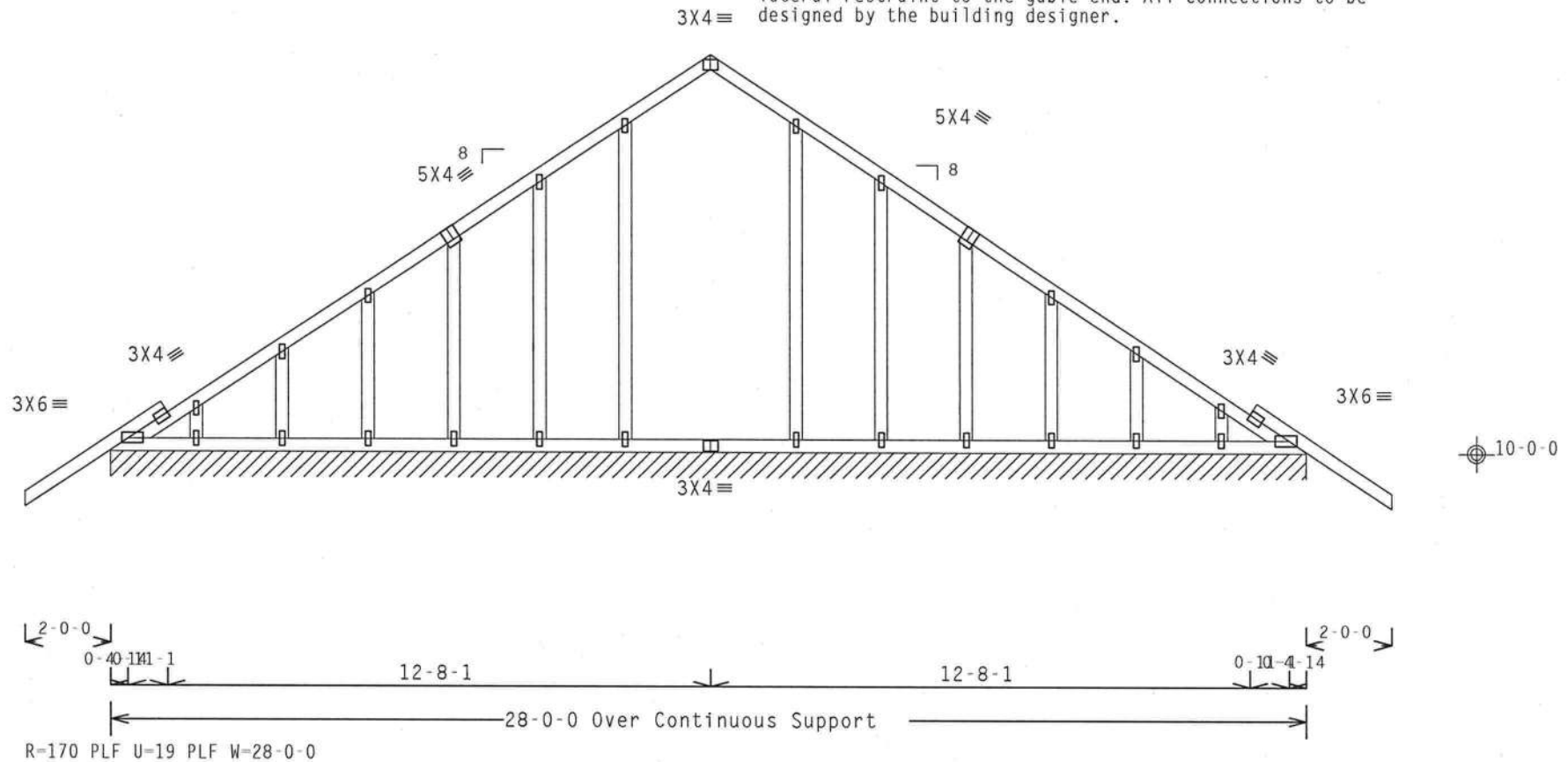
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



R=170 PLF U=19 PLF W=28-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.11 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 0

TC LL	20.0 PSF	REF R8228- 2895
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311010
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59207
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

(7-324--OWNER BUILDER Sales Office -- 755-8699 , ** - PB3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

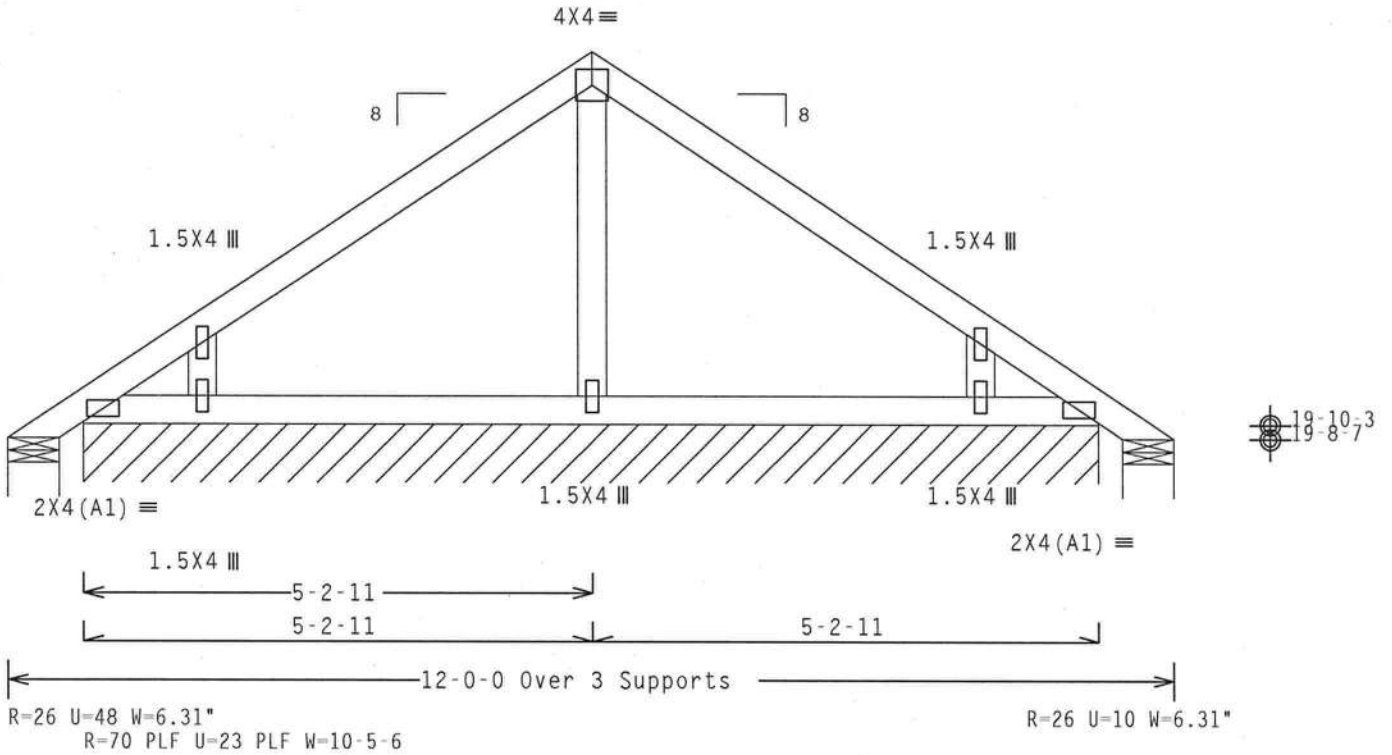
110 mph wind, 21.70 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 6.00
TC - From 64 PLF at 6.00 to 64 PLF at 12.00
BC - From 4 PLF at 0.00 to 4 PLF at 12.00

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.37.0521 1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 07

TC LL	20.0 PSF	REF	R8228- 2896
TC DL	10.0 PSF	DATE	11/07/07
BC DL	10.0 PSF	DRW	HCUSR8228 07311011
BC LL	0.0 PSF		HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN-	5888 REV
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 23.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

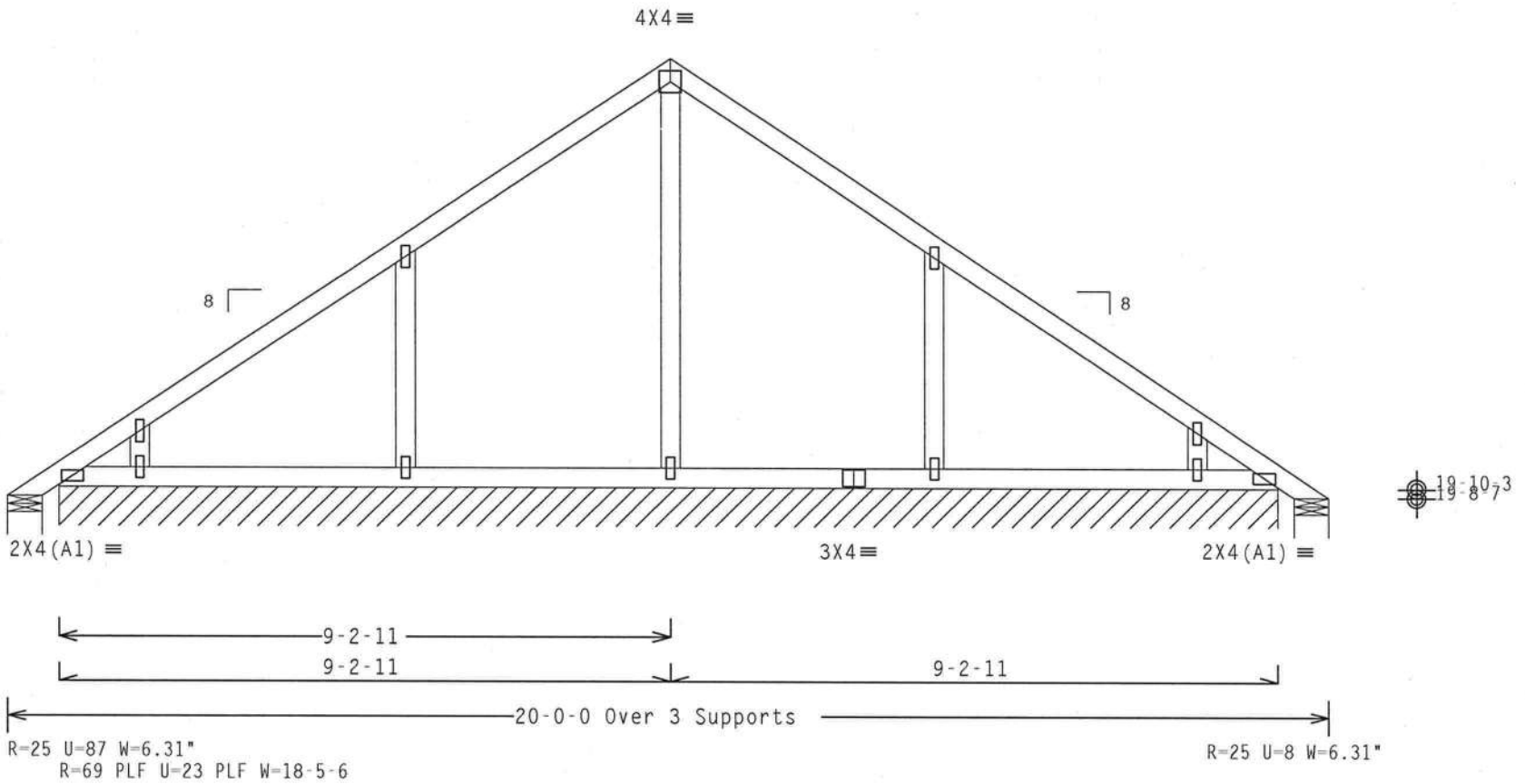
Wind reactions based on MWFRS pressures.

Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 10.00
TC - From 64 PLF at 10.00 to 64 PLF at 20.00
BC - From 4 PLF at 0.00 to 4 PLF at 20.00

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 11 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 0[illegible]

TC LL	20.0 PSF	REF R8228- 2897
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311012
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59218
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Bearing reactions of -7# at (0-0-0, 19-8-7), -7# at (18-5-2, 19-8-7), require special connection to resist uplift from loads other than wind.

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

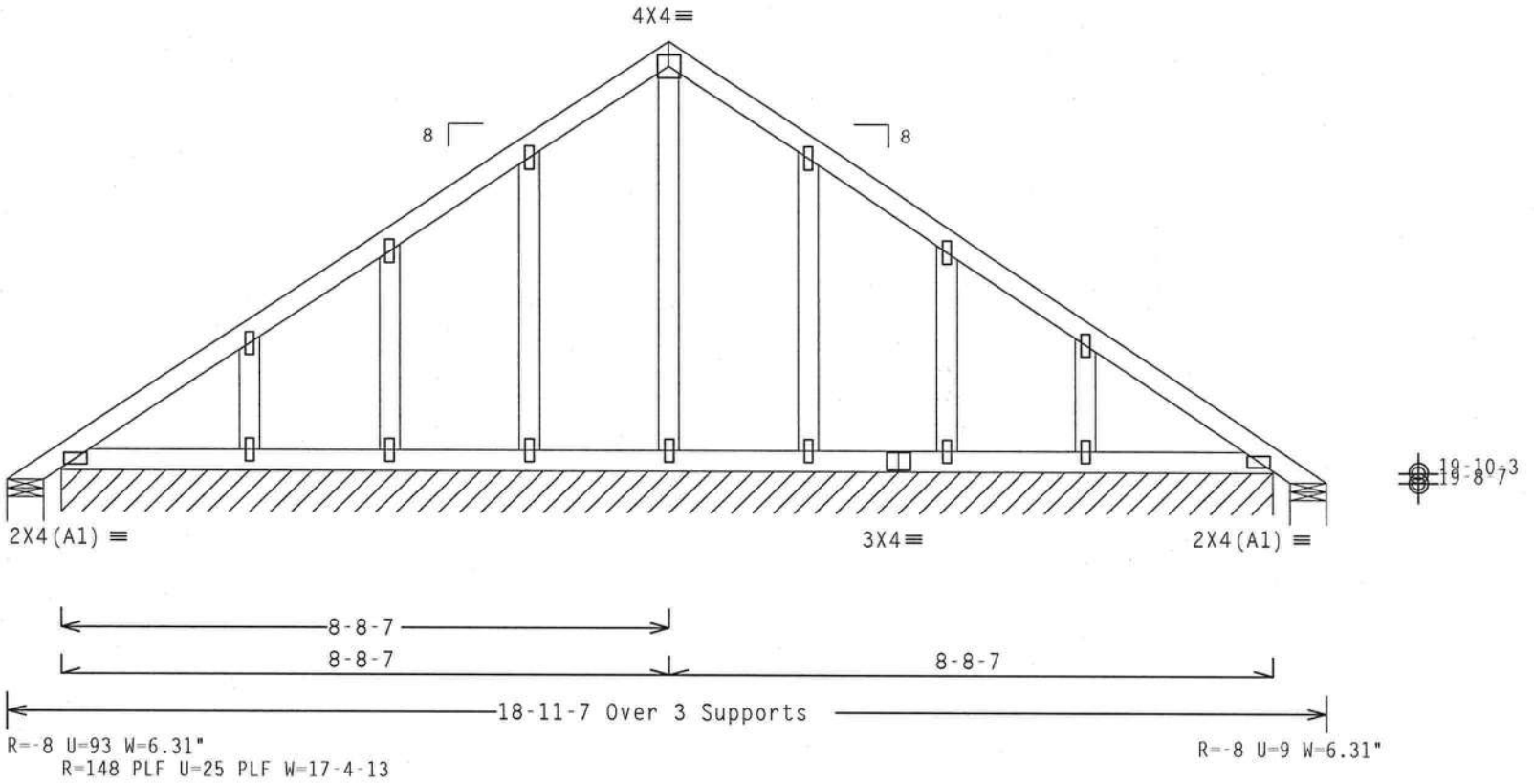
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 9.48
TC - From 64 PLF at 9.48 to 64 PLF at 18.95
BC - From 4 PLF at 0.00 to 4 PLF at 18.95

110 mph wind, 22.86 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR
LICENSE
No 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 07,2007

TC LL	20.0 PSF	REF	R8228- 2898
TC DL	10.0 PSF	DATE	11/07/07
BC DL	10.0 PSF	DRW	HCUSR8228 07311013
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	59225
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC98228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Bearing reactions of -7# at (0-0-0, 19-8-7), -7# at (10-5-2, 19-8-7), require special connection to resist uplift from loads other than wind.

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

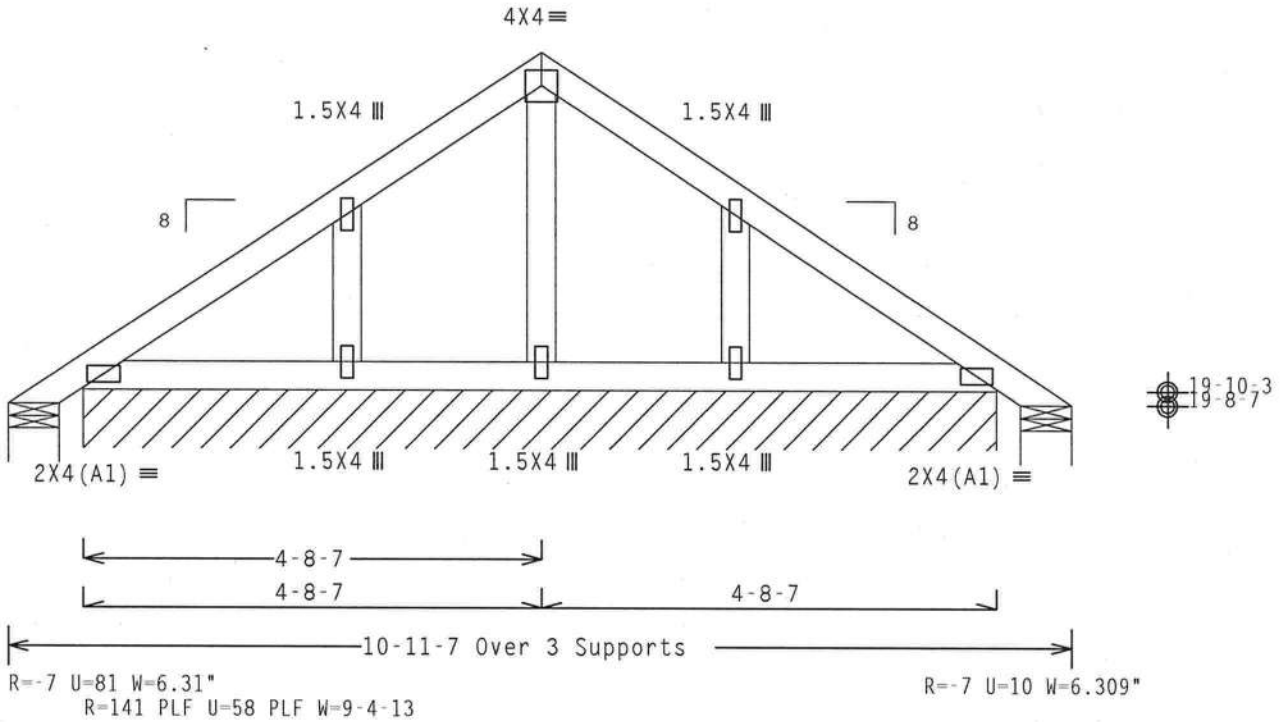
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 5.48
TC - From 64 PLF at 5.48 to 64 PLF at 10.95
BC - From 4 PLF at 0.00 to 4 PLF at 10.95

110 mph wind, 21.53 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 r1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 07

TC LL	20.0 PSF	REF R8228- 2899
TC DL	10.0 PSF	DATE 11/07/07
BC DL	10.0 PSF	DRW HCUSR8228 07311014
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 59229
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC98228Z01

TOP CHORD FILLER DETAIL

+ 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5",MIN) NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.

+++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.

* 8/12 MAXIMUM PITCH.

** 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGBACKB0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.

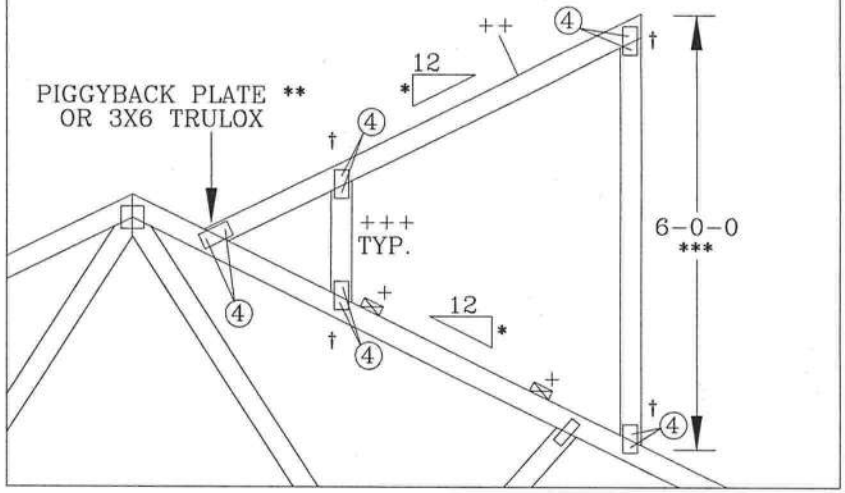
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

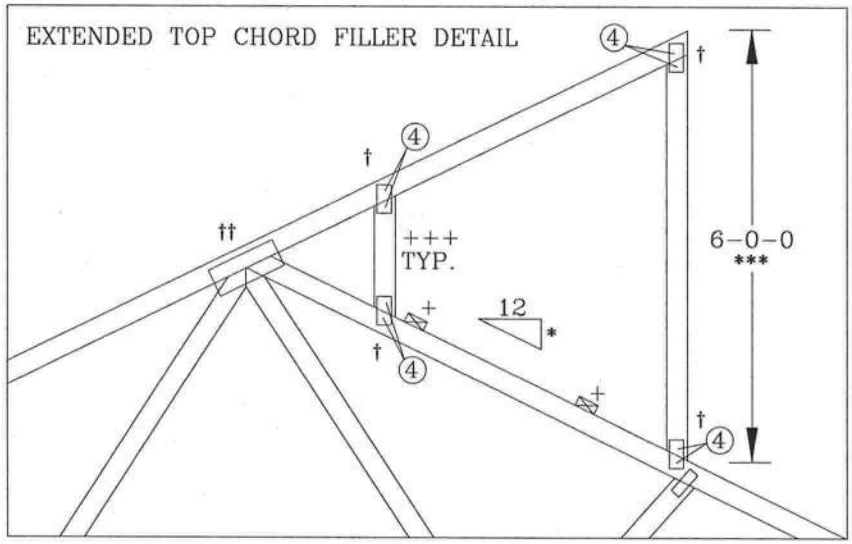
†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

0.120"X 1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

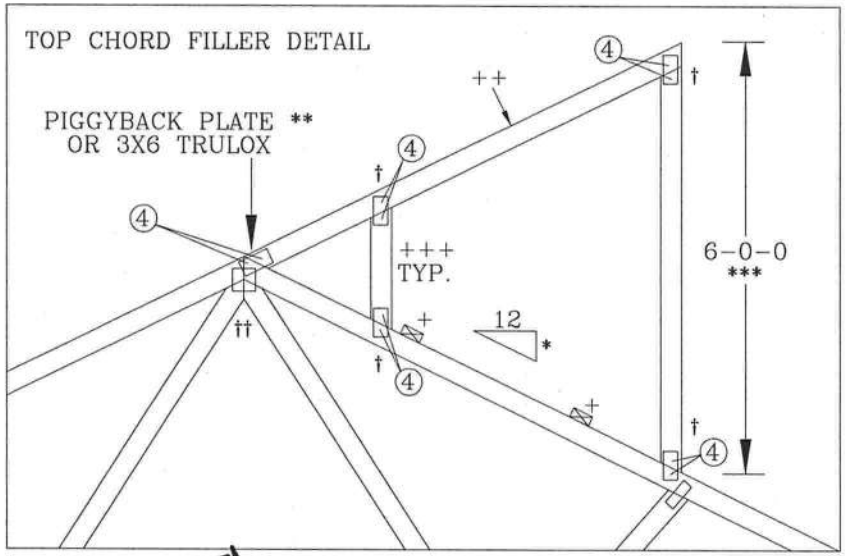
OFFSET FILLER DETAIL



EXTENDED TOP CHORD FILLER DETAIL



TOP CHORD FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884,080

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES A. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 07

TC LL	MAX 30 PSF	REF	TC-FILLER
TC DL	MAX 15 PSF	DATE	2/23/07
BC DL	MAX 10 PSF	DRWG	TCFILLER0207
BC LL	0 PSF	-ENG	SJP/KAR
TOT. LD.	MAX 55 PSF		
DUR. FAC.	1.15 OR 1.33		
SPACING	24.0"		

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

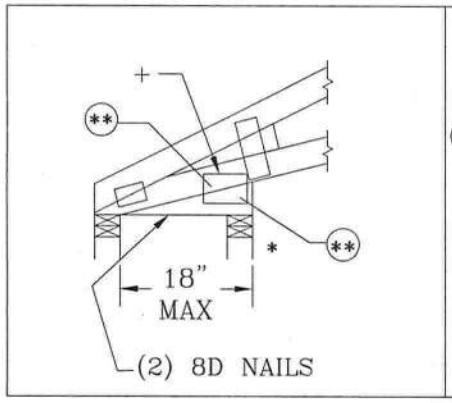
\+ 3X4 WAVE OR 4X8 TRULOX

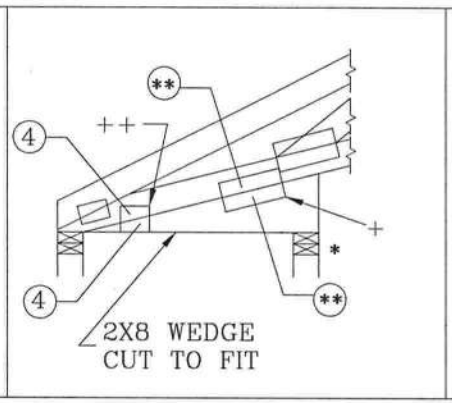
++ 2X4 WAVE OR 3X6 TRULOX

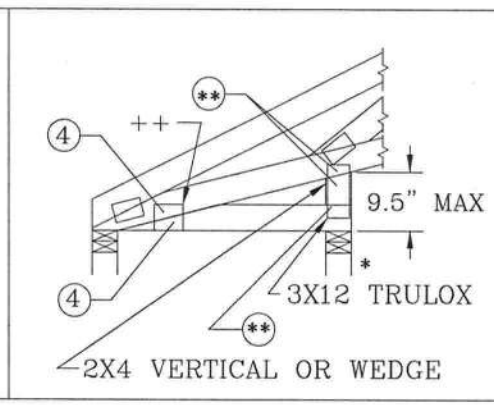
REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

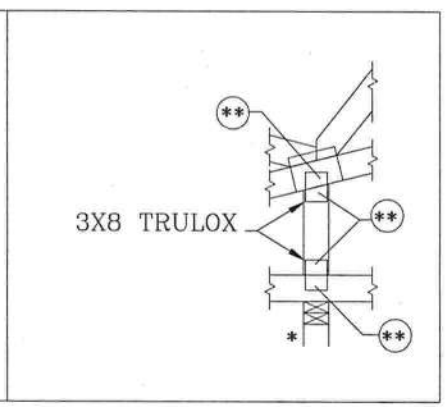
ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM BEARING AREA	** REQUIRED NAILS PER FACE WITH TRULOX PLATES				
	DOWNWARD	UPLIFT		1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6









THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884,132

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	—	PSF	REF BC FILLER
TC DL	—	PSF	DATE 2/23/07
BC DL	10.0	PSF	DRWG BCFILLER0207
BC LL	—	PSF	-ENG DLJ/KAR
TOT. LD.	—	PSF	
DUR. FAC. 1.0/1.15/1.25/1.33			
SPACING 24.0"			

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE 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.

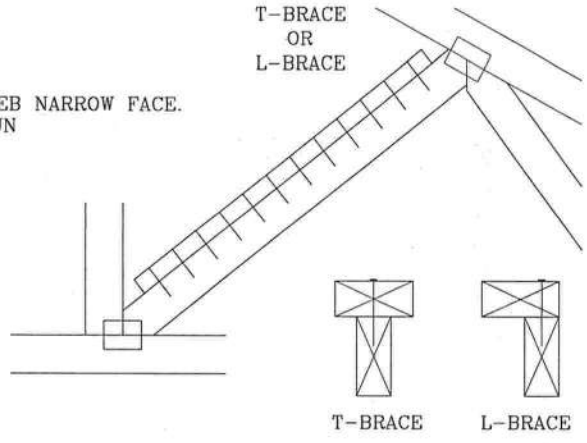
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

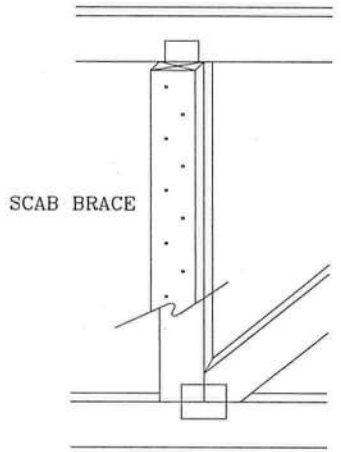
T-BRACING OR L-BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TOP CHORD FILLER DETAIL

+ 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5",MIN) NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.

+++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.

* 8/12 MAXIMUM PITCH.

** 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGBACKB0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.

*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

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

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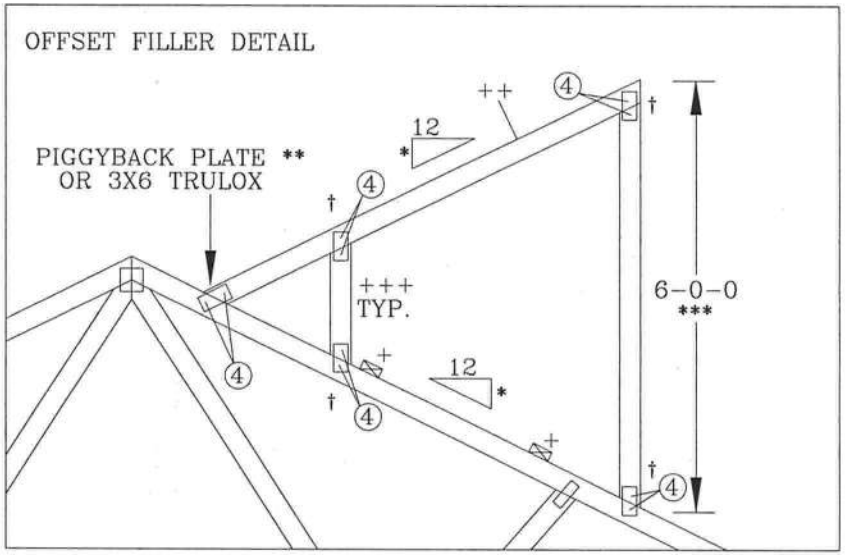
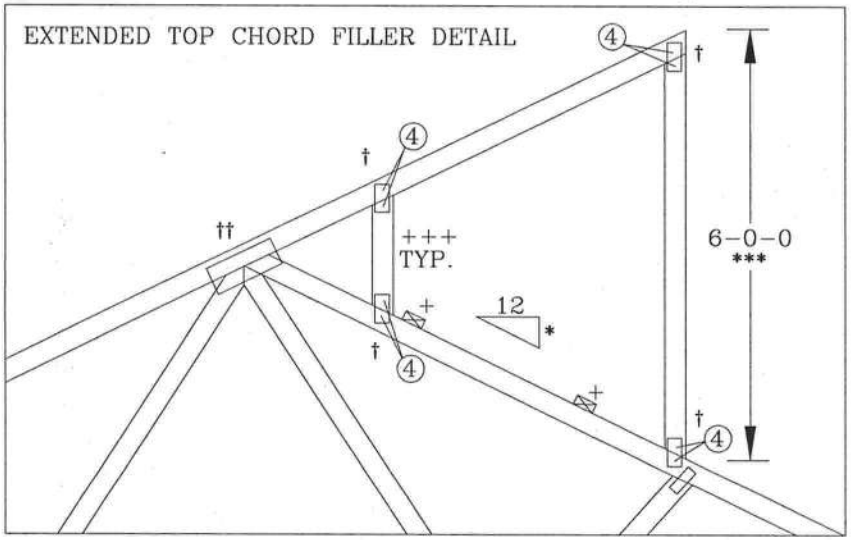
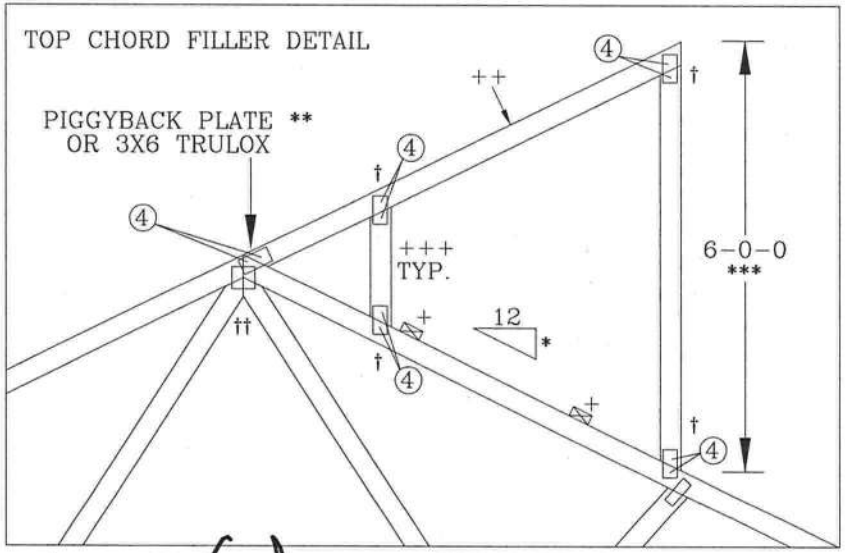
OFFSET FILLER DETAIL



EXTENDED TOP CHORD FILLER DETAIL



TOP CHORD FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884,080

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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NO. 08 '07

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	MAX 30 PSF	REF	TC-FILLER
TC DL	MAX 15 PSF	DATE	2/23/07
BC DL	MAX 10 PSF	DRWG	TCFILLER0207
BC LL	0 PSF	-ENG	SJP/KAR
TOT. LD.	MAX 55 PSF		
DUR. FAC.	1.15 OR 1.33		
SPACING	24.0"		

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS

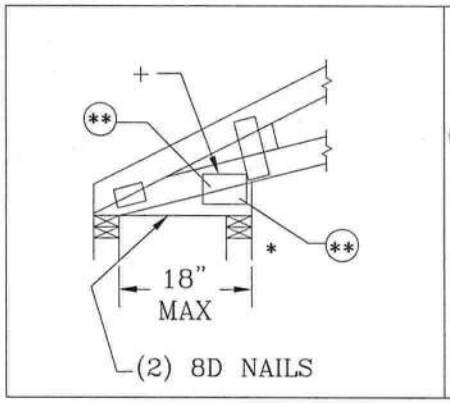
\+ 3X4 WAVE OR 4X8 TRULOX

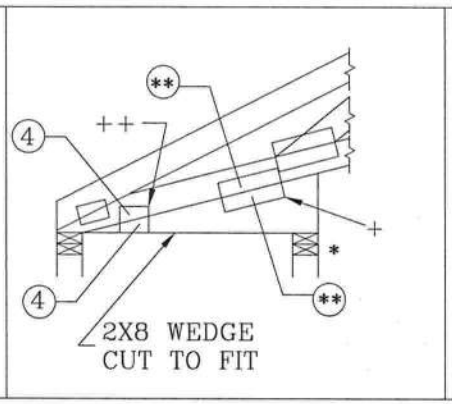
++ 2X4 WAVE OR 3X6 TRULOX

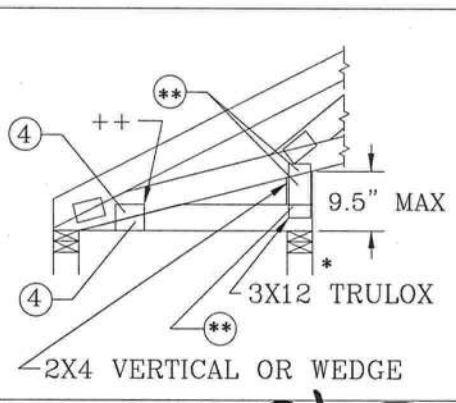
REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

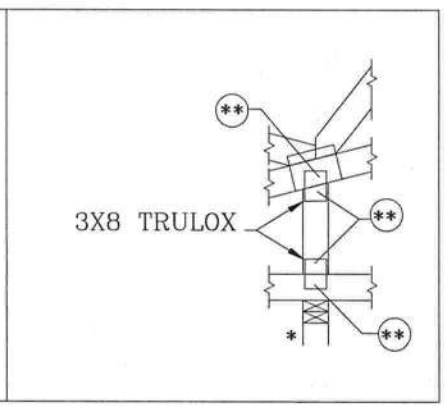
ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM	** REQUIRED NAILS PER FACE WITH TRULOX PLATES				
	DOWNWARD	UPLIFT	BEARING AREA	1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6









THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884,132

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	—	PSF	REF BC FILLER
TC DL	—	PSF	DATE 2/23/07
BC DL	10.0	PSF	DRWG BCFILLER0207
BC LL	—	PSF	-ENG DLJ/KAR
TOT. LD.	—	PSF	
DUR. FAC. 1.0/1.15/1.25/1.33			
SPACING 24.0"			

BOTTOM CHORD FILLER REPAIR

RECOMMENDED REPAIR PROCEDURE

1. MEASURE DISTANCE FOR NEW LENGTH OF FILLER.
2. APPLY NEW 2X4 STUD GRADE OR BETTER VERTICAL SCAB TO BOTTOM CHORD AND FILLER WITH (3) NAILS 0.131" DIA. x 3.0" OR LARGER, (I.E. 10d OR 16d COMMON, SINKER, GUN, OR 16d BOX NAILS) TO EACH END OF VERTICAL.
3. CAREFULLY REMOVE EFFECTED CONNECTOR PLATES. USE CARE NOT TO DAMAGE THE REMAINING CONNECTOR PLATES OR LUMBER IN ANY WAY.
4. TRIM FILLER TO LENGTH, AT EDGE OF NEW VERTICAL SCAB.

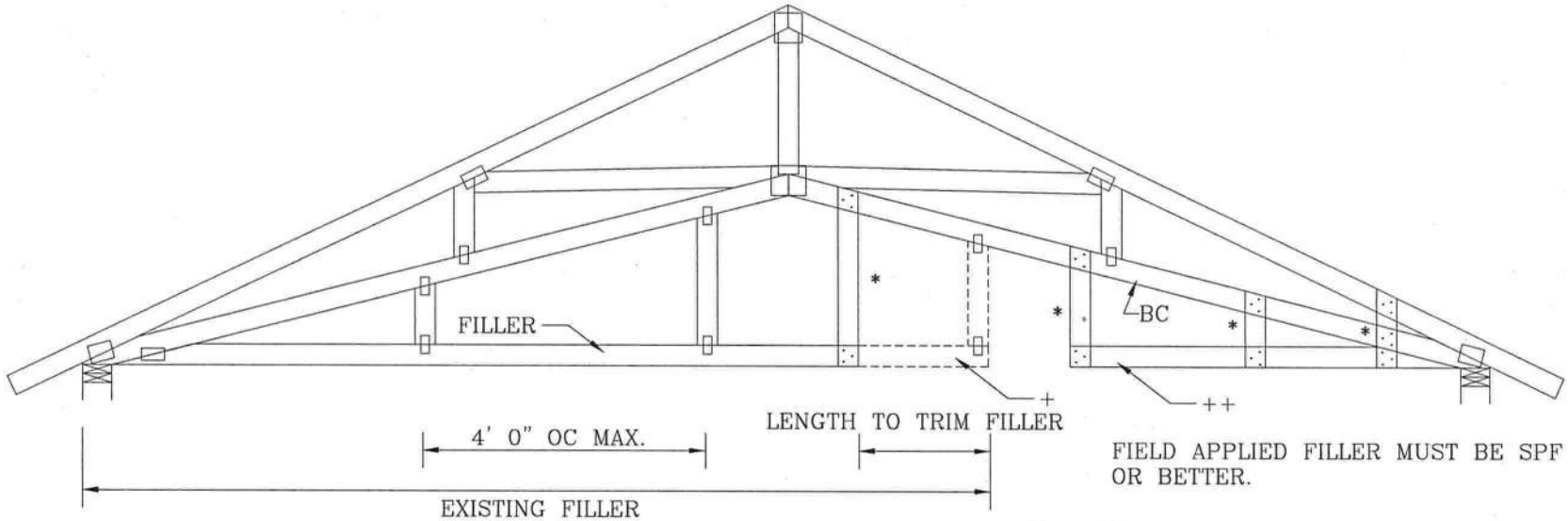
MAXIMUM BOTTOM CHORD LOAD IS 10 PSF.

\+ BOTTOM CHORD FILLER TO BE REMOVED. SEE NOTE #3.

++ FIELD APPLIED FILLER.

* 2X4 STUD GRADE OR BETTER VERTICAL SCAB. ATTACH TO BOTTOM CHORD AND FILLER WITH (3) NAILS WITH A MIN. 0.131" DIA. X 3.0" LENGTH.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR ALLOWABLE FILLER DIMENSIONS, PLACEMENT, AND WEBBING.



FIELD APPLIED FILLER MUST BE SPF #3 OR BETTER.

THIS DRAWING REPLACES DRAWING 962,767

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 08 '07

REF	BC FILLER REP.
DATE	2/23/07
DRWG	REPBCFIL0207
-ENG	MLH/KAR

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2	STANDARD
#3	STUD

HEM-FIR

#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

SOUTHERN PINE

#3
STUD
STANDARD

GROUP B:

HEM-FIR

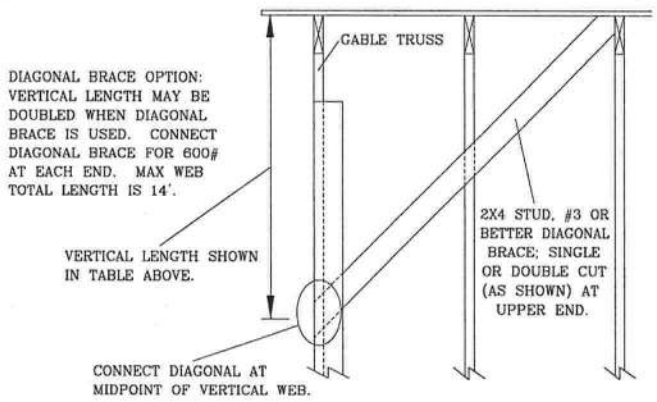
#1 & BTR
#1

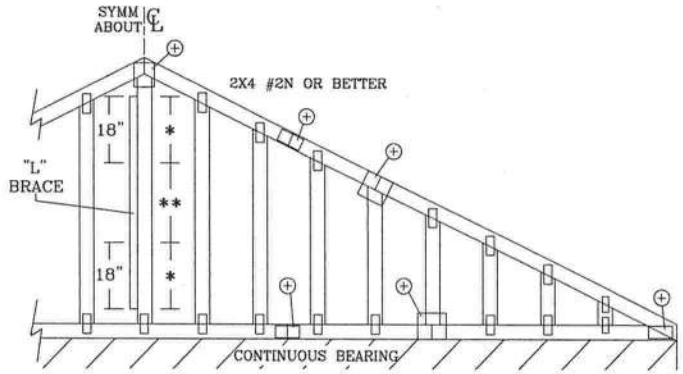
SOUTHERN PINE

#1
#2

DOUGLAS FIR-LARCH

#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

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POMPANO BEACH, FLORIDA

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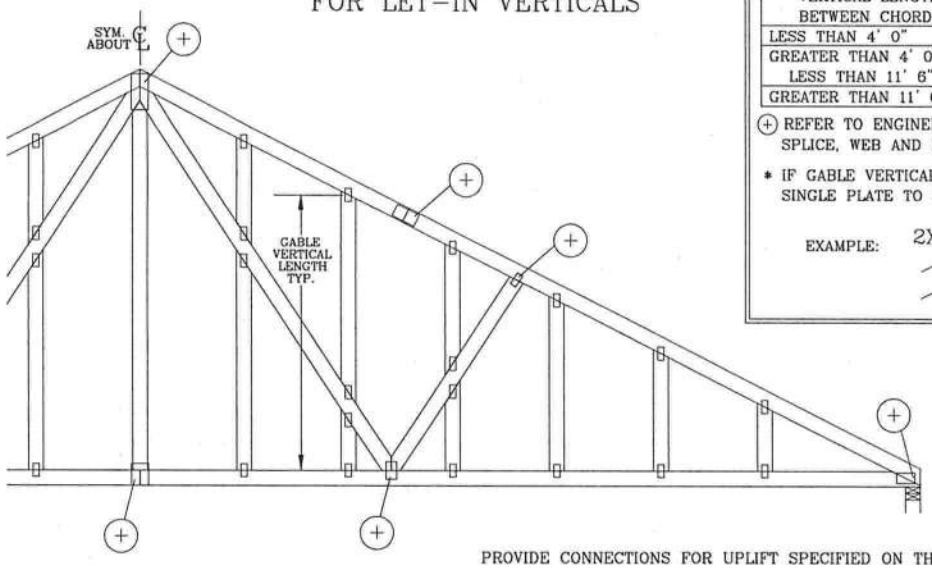
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

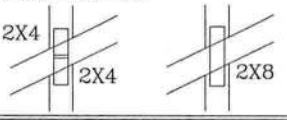


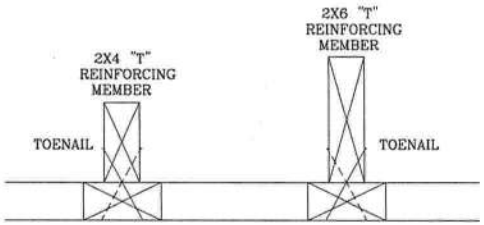
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





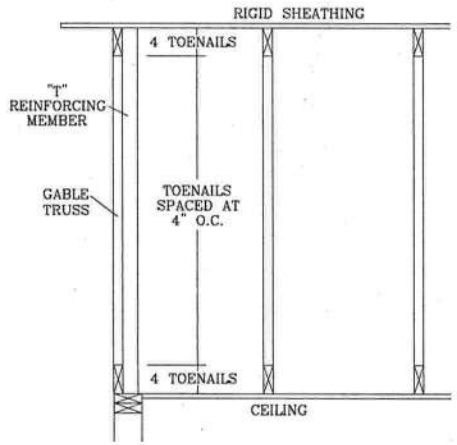
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 08 '07

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

PIGGYBACK DETAIL

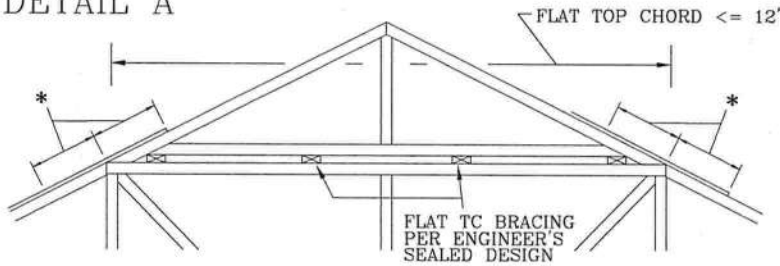
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

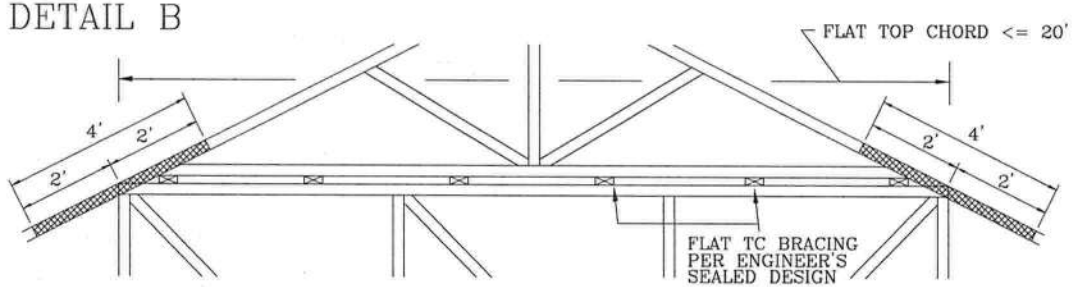
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

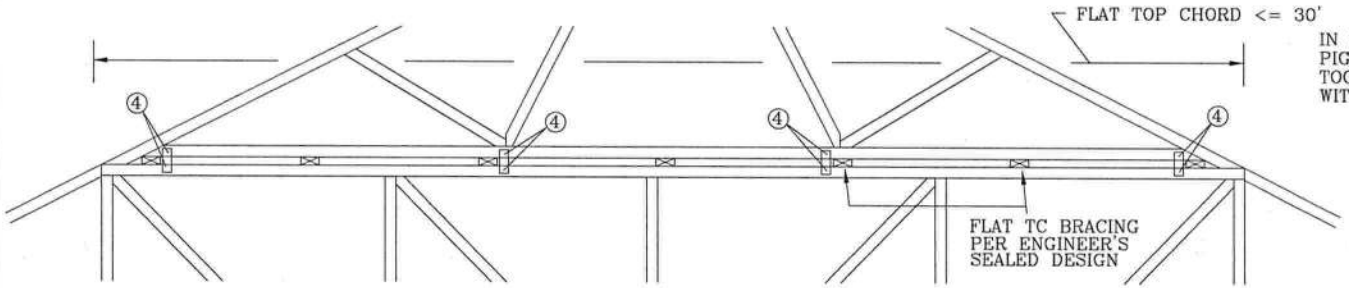
DETAIL B



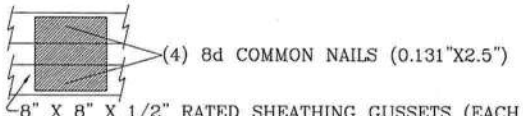
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 08 '07

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	PIGBACKA0207
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

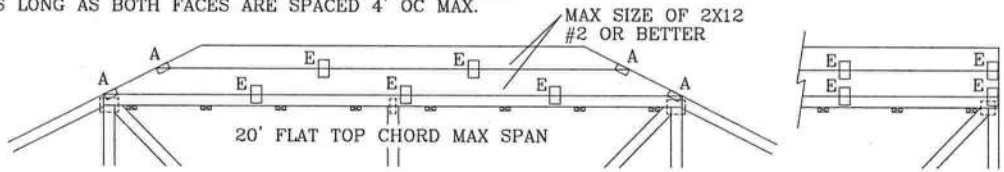
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

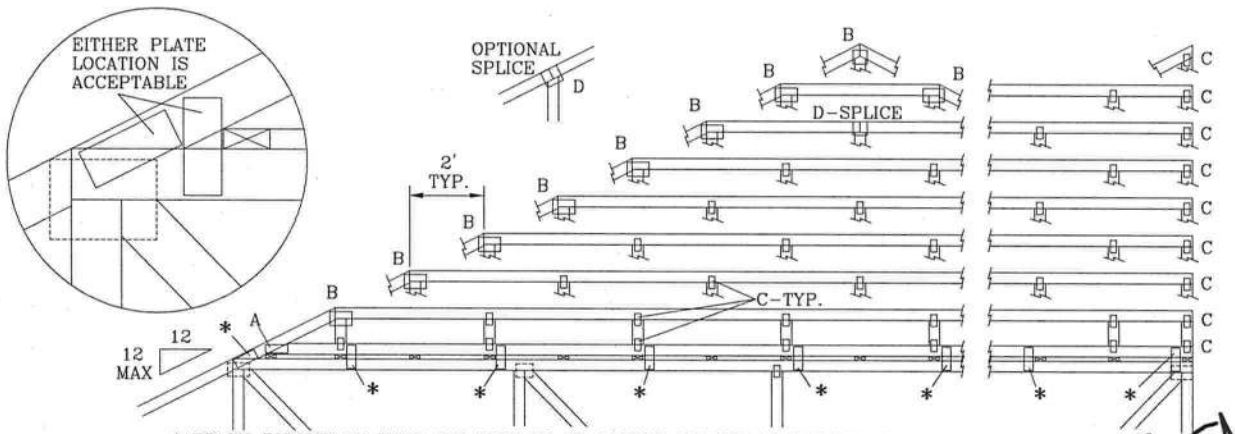
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR ASCE 7-05, CLOSED BLGD, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

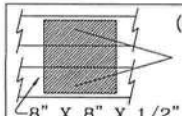
110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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





*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

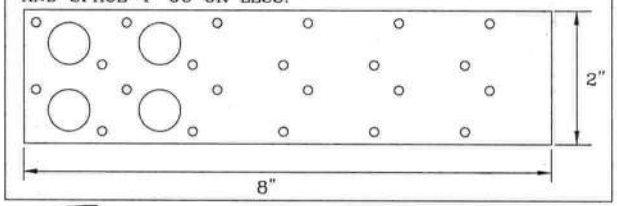
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC

* PIGGYBACK SPECIAL PLATE

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



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

REF	PIGGYBACK
DATE	2/23/07
DRWG	PIGBACKB0207
-ENG	DLJ/KAR

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

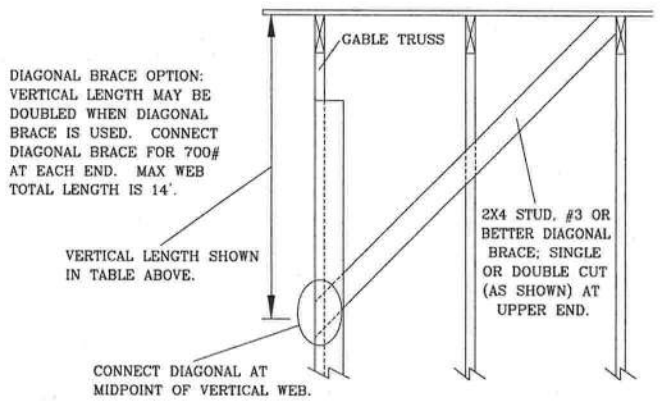
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

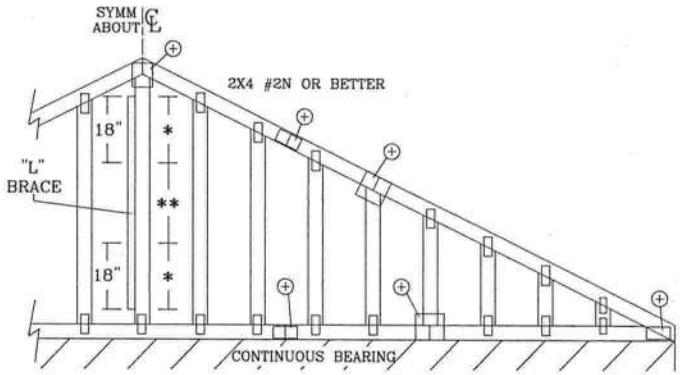
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W,K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF 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.

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	2/23/07
DRWG	A11030EE0207
-ENG	

Cal-Tech Testing, Inc.
FOUNDATIONS • ASPHALT • SOILS • CONCRETE
ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

JOB NO.: 08-175
DATE TESTED: 03-31-08

REPORT OF IN-PLACE DENSITY TEST

26886

ASTM METHOD: ✓ (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: WINDTECH OFFICE BUILDING

CLIENT: FLORIDA FILL & GRADE

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): SUBGRADE SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: S. OSTEEN

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: ✓ DEPTH ___ ELEV. ___ LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
1.	N WALL 15' FROM W WALL	12"	1	129.2	111.0	16.4	101.2
2	NE WALL 15' FROM E WALL	12"	1	127.7	111.5	14.5	101.7
3.	W WALL 20' FROM S WALL	12"	1	128.0	112.0	14.2	102.1

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1	LIGHT TAN FINE SAND W/TRACE SILT	109.7	10.4

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

Mark D. Duren and Associates, Inc.
Professional Surveyor And Mapper

120 NW Burk Ave Suite 103
Lake City, FL 32025
386-758-9831 Phone
386-758-8010 Fax

April 14, 2008

Subject: Top of Slab Elevation.

To whom it may concern,
I hereby certify that the elevation of the stem walls constructed on parcel 08196-001 is 110.3 feet, NGVD 29 Datum, as measured by my company.

Sincerely,

Mark D. Duren, LS 4708

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

#26886

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1795 City Lake City State FL Zip [illegible]
Company Business License No. JB109676 Company Phone No. [illegible]
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Wind Tech Const Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 441 South Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 4-14-04
Brand Name of Product(s) Used Biflex
EPA Registration No. 53443-144
Approximate Final Mix Solution % .6
Approximate Size of Treatment Area: Sq. ft. 3324 Linear ft. 264 Linear ft. of Masonry Voids
Approximate Total Gallons of Solution Applied 652
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) Steve Brannan Certification No. (if required by State law) JP109676

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

Authorized Signature Steve Brannan Date 4-14-04

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

26886-1

FAX MEMORANDUM

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director **Columbia Co. Building Dept.** **Fax No: 904-758-2160**	**From: Neil E. Miles, FDOT Permits Coor.** **Date: 11-09-06 Fax No. 904-961-7180** **Attention: In-House Staff**

( ) Sign and return. (XX) For your files. ( ) Please call me. ( ) FYI ( ) For Review

Reason for Contact. Property Owner requesting FDOT final approval. **The existing driveway connection was inspected on 9-04-08 for acceptance for current access / entrance compliances and was approved for use without and improvements being required.**

REF: Notice of Approval of existing Access Point / Inspected On: 9-04-08
PROJECT: Windtech Contracting a Commercial Business
PROPT. OWNER: William Wood
PROPOSED: Access to parcel propt. conn. on SR- 25 South or (US 41/441)
PERMITTEE's MAILING ADDRESS: 2747 SW Main Blvd., Lake City, Fl.
COUNTY PARCEL Tax ID No: Not Known
Phone #: 755-8699 -Cell #365-4902
FDOT Permit No: REQUIRED FOR THIS SITE
Charles Boone, Fla Fill & Grade

Mr. Kerce or Staff Member:

Please release any permit restrictions that may have been being held up due to State Driveway Access Requirements.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7180.

Sincerely,
Neil Miles
Access Permits Coordinator
It's great to have folks like you to work with, thanks again for your assistance!

No. of pages faxed: 3

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 08-4S-17-08196-001

Building permit No. 000026886

Use Classification COMMERCIAL OFFICE

Fire: 37.83

Permit Holder WILLIAM WOOD

Waste:

Owner of Building WILLIAM G. WOOD

Total: 37.83

Location: 2747 SW MAIN BLVD

Date: 09/15/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

COLUMBIA COUNTY FIRE DEPARTMENT

P. O. BOX 1529 Lake City, Florida 32056
Office (386) 754-7071 Fax (386) 754-7064

David L. Boozer
Division Chief

16 September 2008

TO: Columbia County Building and Zoning
Attention: Harry Dicks

FROM: David L. Boozer
Division Chief / Fire Marshal

RE: Permit # 26886 / Wind Tech

A Fire Safety Inspection was conduct today at the Wind Tech building located at 2747 SW Main Blvd. Lake City, Florida. At the time of my inspection this building meets the requirements as set forth in Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. I recommend approval.

Respectfully,

David L. Boozer
Florida State Fire Inspector #146595