DATE 06/21/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025944

APPLICANT ROXANNE NAPIER PHONE 719-7143

ADDRESS 2109 W US HIGHWAY 90 LAKE CITY FL 32055

OWNER SUNIL & PRAVINA PATEL PHONE 364-5730

ADDRESS 518 SW WINDSOR DRIVE LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 90W, TL ON WINDSOR DR, AROUND CURVE, ON RIGHT, THE LOT BEFORE FIRST HOUSE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 285700.00

HEATED FLOOR AREA 5714.00 TOTAL AREA 7694.00 HEIGHT STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 12/12 FLOOR SLAB

LAND USE & ZONING PRRD MAX. HEIGHT 31

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

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

PARCEL ID 31-3S-16-02411-110 SUBDIVISION HILLS OF WINDSOR

LOT 10 BLOCK PHASE UNIT TOTAL ACRES 3.04

000001403		CBC059323	Roxanne Napier
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

CULVERT	07-445	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 8404

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 1430.00 CERTIFICATION FEE $ 38.47 SURCHARGE FEE $ 38.47

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 1606.94

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

OFFICE CALLED ROXANNE AGAIN: 6.20.07

Columbia County Building Permit Application

For Office Use Only Application # 0705.79 Date Received 5/31/07 By CP Permit # 1403 / 25944

Application Approved by - Zoning Official BLK Date 05.06.07 Plans Examiner OKJTH Date 6-5-07

Flood Zone X Pot Development Permit N/A Zoning PRRD Land Use Plan Map Category A-3

Comments Need NOC Well Ext. ☐ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Roxanne Napier Phone 719-7143 Fax

Address 2109 W. US Hwy 90 Suite 170 PMB #338 Lake City, FL 32055

Owners Name Sunil + Pravina Patel Phone (c) 364-5730

911 Address 518 SW Windsor Dr. L.C. 32024

Contractors Name Isaac Construction, LLC 2109 W. Phone 719-7143

Address US Hwy 90, Suite 170, L.C. FL 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Daniel Shaheen DDS Studios

Mortgage Lenders Name & Address CASH

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

Property ID Number 31-3S-16-02411-110 Estimated Cost of Construction $ 360,000.-

Subdivision Name Hills of Windsor Lot #10 Lot 10 Block ____ Unit ____ Phase ____

Driving Directions 518 SW Windsor Drive
First left in subdivision. Round curve + lot #10 is on right side. Lot before first house. :)

Type of Construction single family dwelling Number of Existing Dwellings on Property 0

Total Acreage 3.040 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 283 Side 413 Side 54 Rear 210

Total Building Height 31'0" Number of Stories 2 Heated Floor Area 5714 Roof Pitch 12

TOTAL 7,694

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Sworn to (or affirmed) and subscribed before me

this 23 day of May 2007.

Personally known X or Produced Identification ____

Contractor Signature

Contractors License Number CBC059323

Competency Card Number

NOTARY STAMP/SEAL

Barbara C Webster

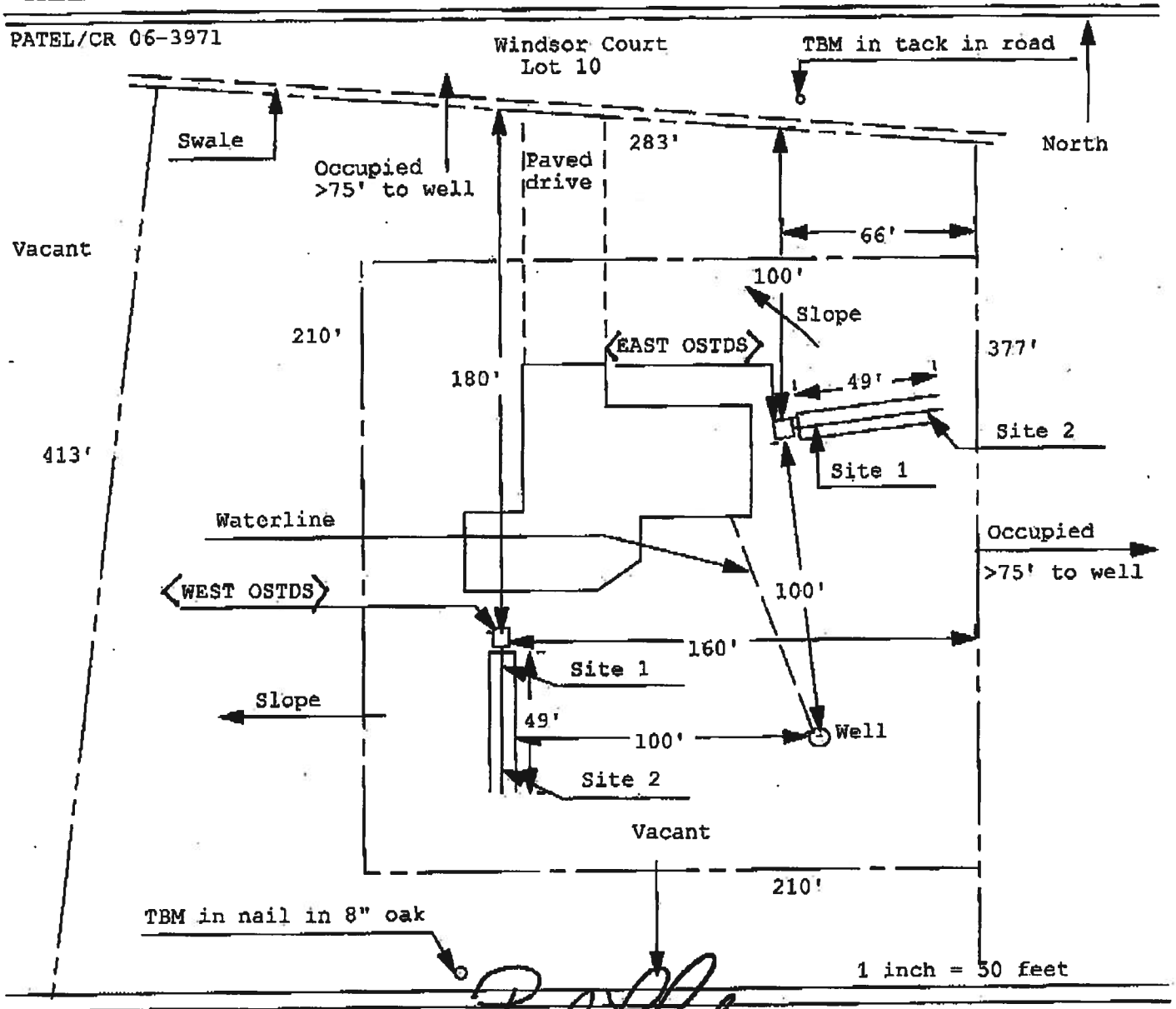
Notary Signature

(Revised Sept. 2006)

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

Permit Application Number: 07-0445

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd Date 5/4/07

Plan Approved X Not Approved ____ Date ____

By Sallie Ford ES11 6-21-07 CPHU

Notes: Columbia CHD

* For Sunil Patel, LOT 10 Hills of Windsor
Isaac Construction.

Sunil Patel

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 4/23/2007 **DATE ISSUED:** 4/24/2007

ENHANCED 9-1-1 ADDRESS:

518 SW WINDSOR DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

31-3S-16-02411-110

Remarks:

LOT 10 HILLS OF WINDSOR S/D.

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

728

Approved Address

APR 24 2007

911Addressing/GIS Dept

Columbia County Property Appraiser

DB Last Updated: 4/11/2007

Parcel: 31-3S-16-02411-110

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	PATEL SUNIL & PRAVINA		
Site Address			
Mailing Address	802 WHITE AVE LIVE OAK, FL 32064		
Use Desc. (code)	VACANT (000000)		
Neighborhood	30316.00	**Tax District**	3
UD Codes	MKTA01	**Market Area**	01
Total Land Area	3.040 ACRES		
Description	LOT 10 HILLS OF WINDSOR S/D. WD 1027-841. WD 1083-2494		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$125,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$125,000.00

Just Value	$125,000.00
Class Value	$0.00
Assessed Value	$125,000.00
Exempt Value	$0.00
Total Taxable Value	$125,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
5/2/2006	1083/2494	WD	V	Q		$175,000.00
9/15/2004	1027/841	WD	V	Q		$65,000.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (3.040AC)	1.00/1.00/1.00/1.00	$125,000.00	$125,000.00

Columbia County Property Appraiser

DB Last Updated: 4/11/2007

LOT 10 HILLS OF WINDSOR S/D.
WD 1027-841. WD 1083-2494

PATEL SUNIL & PRAVINA
802 WHITE AVE
LIVE OAK, FL 32064

31-3S-16-02411-110

Columbia County 2007 R
CARD 001 of 001

PRINTED 4/11/2007 8:57 BY JEFF
APPR 7/25/2006 DF

BUSE		AE?	HTD AREA	.000	INDEX	30316.00	DIST 3	PUSE	000000 VACANT
MOD	BATH		EFF AREA	105.914	E-RATE	.000	INDX	STR 30- 3S-16E	
EXW	FIXT		RCN				AYB	MKT AREA 01	0 BLDG
%	BDRM		%GOOD		BLDG VAL		EYB	(PUD1	0 XFOB
RSTR	RMS							AC 3.040	125,000 LAND
RCVR	UNTS		FIELD CK:					NTCD	0 AG
%	C-W%		LOC:					APPR CD	0 MKAG
INTW	HGHT							CNDO	125,000 JUST
%	PMTR							SUBD	0 CLAS
FLOR	STYS							BLK	
%	ECON							LOT	0 SOHD
HTTP	FUNC							MAP# 22	0 ASSD
A/C	SPCD								0 EXPT
QUAL	DEPR							TXDT 003	0 COTXBL
FNDN	UD-1								
SIZE	UD-2							BLDG TRAVERSE	
CEIL	UD-3								
ARCH	UD-4								
FRME	UD-5								
KTCH	UD-6								
WNDO	UD-7								
CLAS	UD-8								
OCC	UD-9								
COND	%								

SUB A-AREA % E-AREA SUB VALUE

PERMITS

NUMBER	DESC	AMT	ISSUED

SALE

BOOK	PAGE	DATE		PRICE
1083	2494	5/02/2006	Q V	175000
GRANTOR RALPH FENIMORE				
GRANTEE SUNIL & PRAVINA PATEL				
1027	841	9/15/2004	Q V	65000
GRANTOR JORDAN ET AL				
GRANTEE RALPH FENIMORE				

TOTAL

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %	%GOOD	XFOB VALUE

FIELD CK:

AE	LAND CODE	DESC	ZONE TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT BACK	DEPTH DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR	LAND VALUE
Y	000000	VAC RES	0002	0003 0003					1.00 1.00 1.00 1.00	1.000	LT	125000.000	125000.00	125,000

2007

Prepared by:
Kristy B. Clayton
Closing Time Title, Inc.
101 Polo Park Boulevard, Suite 5B
Davenport, Florida 33897

File Number: 06-1068

Inst:2006011936 Date:05/16/2006 Time:14:00
Doc Stamp-Deed : 1225.00
DC,P.DeWitt Cason,Columbia County B:1083 P:2494

General Warranty Deed

Made this 5-2 2006 A.D. By Ralph Fenimore, PO Box 405, Mayo, Florida 33993, hereinafter called the grantor, to Sunil Patel and Pravina Patel, husband and wife, whose post office address is: 802 White Ave, Live Oak, Florida 32064, hereinafter called the grantee:

(Whenever used herein the term "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)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 10, HILLS OF WINDSOR, according to the Plat thereof, as recorded in PPRD Book 1, Page(s) 1 through 3, inclusive, of the Public Records of Columbia County, Florida

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: 31[redacted]

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2004.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Laurel McClenithan
Witness Printed Name Laurel McClenithan

Liza Thomas
Witness Printed Name Liza Thomas

Ralph Fenimore (Seal)
Address: PO Box 405, Mayo, Florida 33993

(Seal)
Address:

State of Florida
County of Lee

The foregoing instrument was acknowledged before me this 5-2-06 by Ralph Fenimore, who is/are personally known to me or who has produced Florida as identification.

Laurel McClenithan
Notary Public
Print Name: Laurel McClenithan
My Commission Expires:

Laurel McClenithan
MY COMMISSION # DD155675 EXPIRES
October 19, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 31-3S-16-02411-110

1. **Description of property: (legal description of the property and street address or 911 address)**
Hills of Windsor Lot #10 (518 SW Windsor Dr.)
S/D WD 1027-841, WD 1083-2494
First left in subdivision. Round curve + lot #10 is right side. Lot before first house.

2. **General description of improvement:** single famrly dwellins

3. **Owner Name & Address** Sunil + Pravina Patel 802 White Ave. Live Oak, FL 32064 **Interest in Property** _____

4. **Name & Address of Fee Simple Owner (if other than owner):** _____

5. **Contractor Name** Isaac Construction **Phone Number** 719-7143
Address 2109 W US Hwy 90 Suite 170 PMB #338 L C FC 32055

6. **Surety Holders Name** n/A **Phone Number** _____
Address _____
Amount of Bond n/A

7. **Lender Name** cash **Phone Number** _____
Address _____

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name n/A
Address _____

Inst:200711561 Date:05/23/2007 Time:13:26
DC,P.DeWitt Cason,Columbia County B:1120 P:145

9. **In addition to himself/herself the owner design** _____ **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee** _____

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before 23 **day of** May, 2007

Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Fain - Insurance, Inc. 800-385-7019

NOTARY STAMP/SEAL

Barbara C Webster
Signature of Notary

ELECTRICAL LEGEND

- 2'x4' 4-LAMP FLUORESCENT LIGHT WITH STD. BALLAST
- EXHAUST FAN
- INCANDESCENT LIGHT FIXTURE
- EXHAUST FAN/LIGHT COMBO
- CAN LIGHT
- EYEBALL CAN LIGHT
- WALL SCONCE
- DOUBLE SPOTLIGHT
- TELEPHONE OUTLET
- TELEVISION OUTLET
- LOW WATTAGE LIGHTING
- SMOKE DETECTOR
- SWITCH
- 3-WAY SWITCH
- DIMMER SWITCH
- RECEPTACLE
- RECEPTACLE W/ GROUND FAULT INTERRUPT
- SPLIT RECEPTACLE (1 SWITCHED, 1 CONSTANT)
- 220 VOLT RECEPTACLE
- BATTERY BACKUP EMERGENCY LIGHTING

ELECTRICAL PLAN NOTES

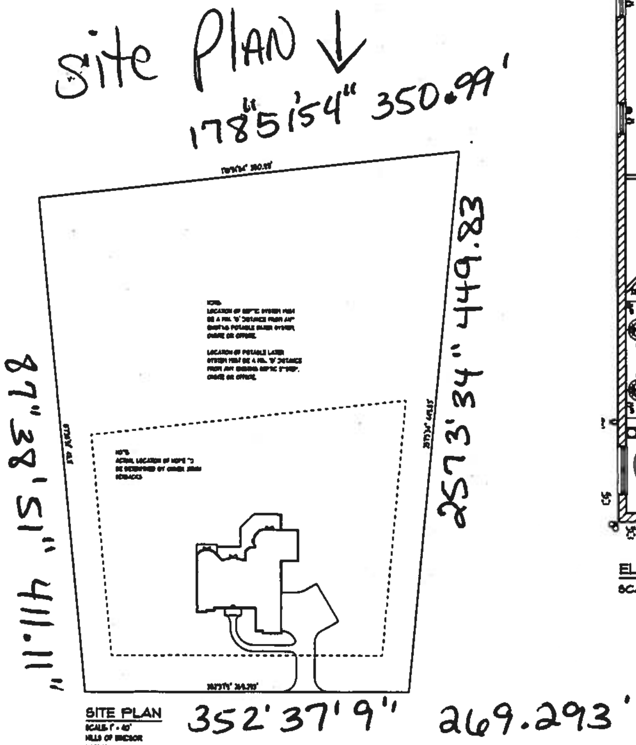
E-1 [illegible]

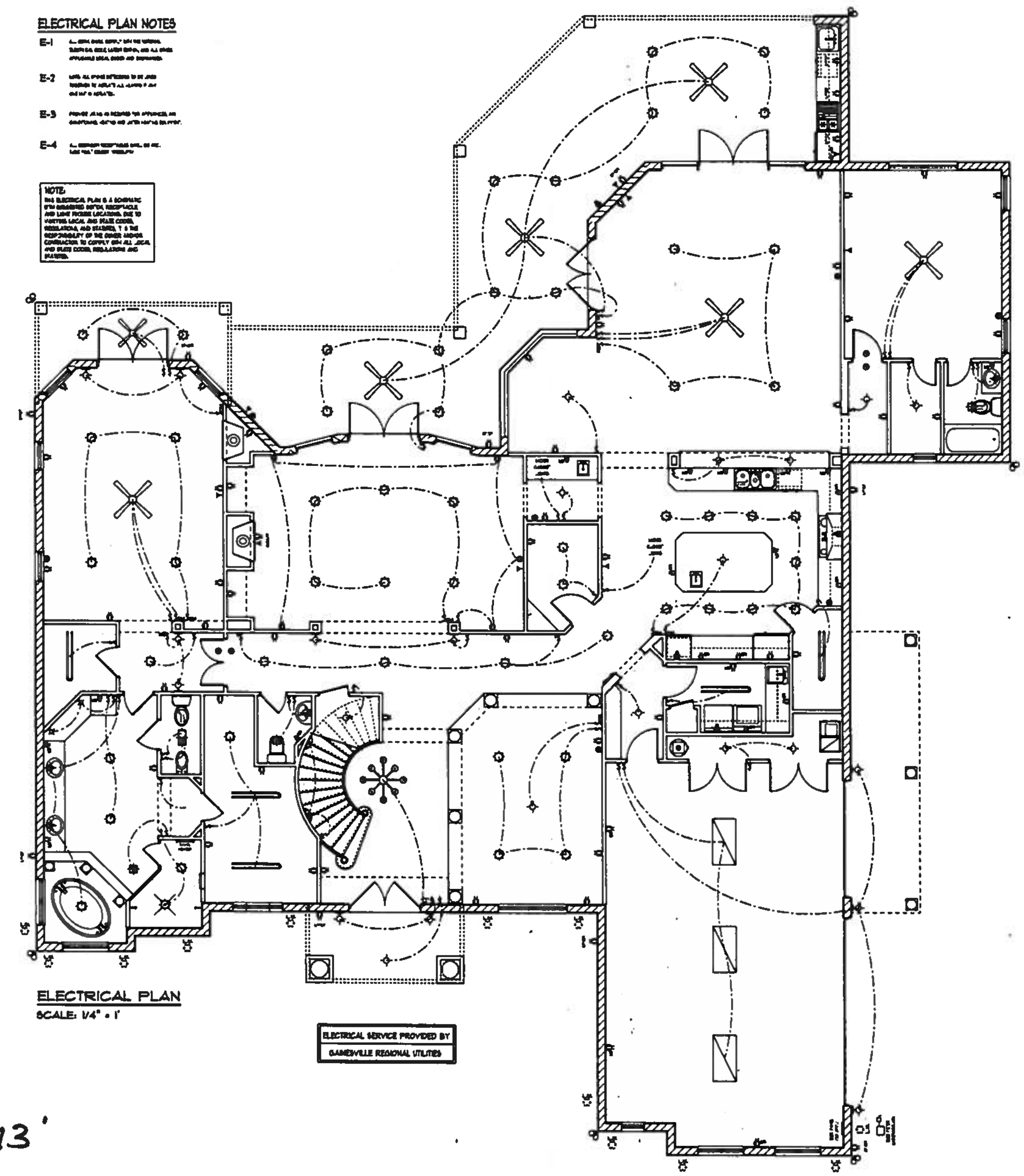
E-2 [illegible]

E-3 [illegible]

E-4 [illegible]

NOTE: [illegible]





ELECTRICAL PLAN
SCALE: 1/4" = 1'

ELECTRICAL SERVICE PROVIDED BY
GAINESVILLE REGIONAL UTILITIES

ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

January 11, 2007

DDS STUDIOS
ARCHITECTURAL DESIGN

COPYRIGHTED BY:

ENGINEERED BY:

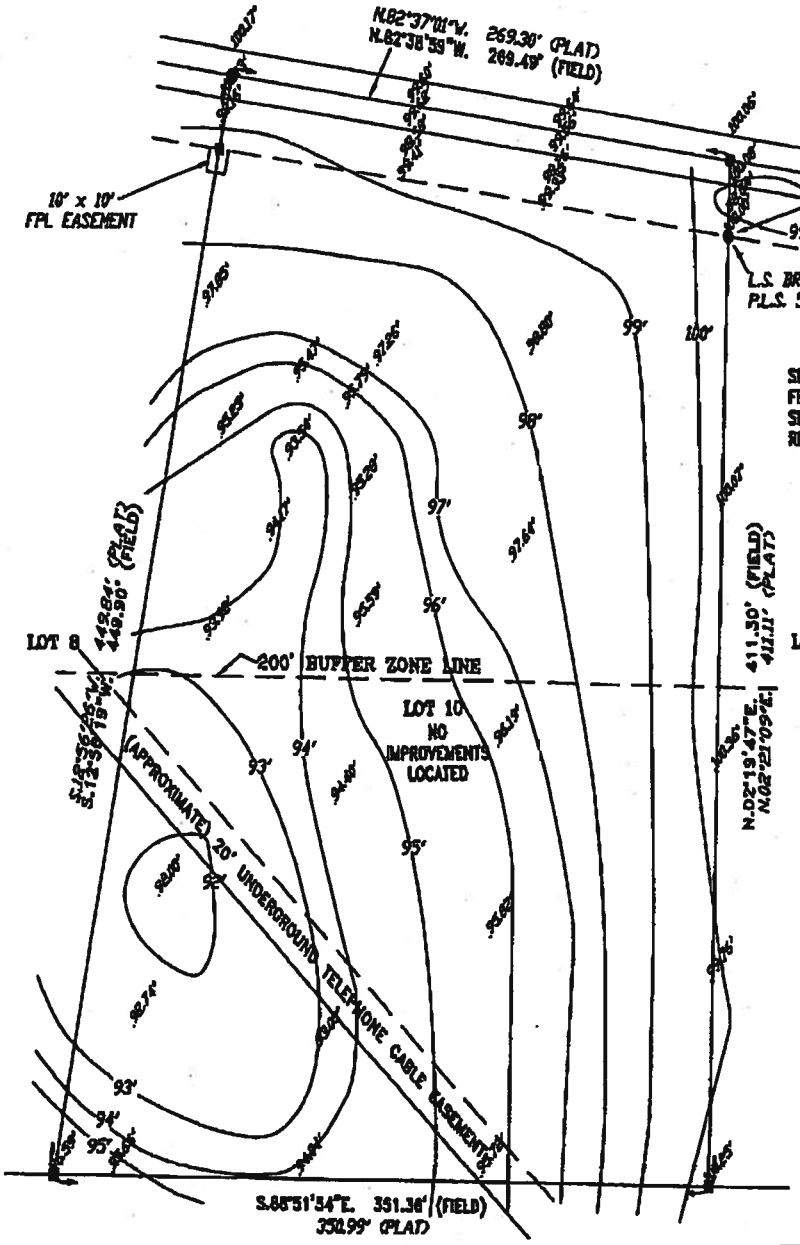
CUSTOM HOME DESIGNED FOR:
SUNIL & PRAVINA PATEL

DESIGNED FOR:
Daniel Shaheen

ELECTRICAL PLAN
SITE PLAN

SHEET NUMBER
5 of 5

BOUNDARY SURVEY IN SECTION 31 , TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



SETBACKS ARE AS FOLLOWS:
FRONT = 30'
SIDE = 25'
REAR = 25'

SCALE: 1" = 60'

SYMBOL LEGEND

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊗ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- ◉ SATELLITE DISH
- ⊙ TELEPHONE BOX
- —E— ELECTRIC LINES
- —X— WIRE FENCE
- —O— CHAIN LINK FENCE
- —■— WOODEN FENCE

NOTE: UNLESS OTHERWISE DENOTED ALL PROPERTY CORNERS LOCATED WERE IDENTIFIED AS BAILEY, BISHOP & LANE, L.B. 6685.

DESCRIPTION:
LOT 10 OF "HILLS OF WINDSOR" AS PER PLAT THEREOF RECORDED IN PRBD BOOK 1, PAGES 1-3 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED ELEVATION OF 100.00 FEET.

CERTIFIED TO:

SUNIL PATEL

FIELD BOOK 297 PAGE(S) 14

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

04/27/07 FIELD SURVEY DATE

04/30/07 DRAWING DATE

L. SCOTT BRITT, PSM CERTIFICATE # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING & ASSOCIATES, INC.
LAND SURVEYORS AND MAPPERS
930 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-18369

ASPEN
PEST CONTROL, INC.

Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

(Patel) Hills Of Winsor 518 Winsor Dr. Lake City, Fl. 32024
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate
Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood
Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Celia Dayden
Authorized Signature

4/23/07
Date

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**S, Patel Residence**	Builder:	**Isaac Const**
Address:	**Lot: 10, Sub: Hills of Windso, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, Fl**	Permit Number:	25944
Owner:	**Sunil Patel**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	5	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	5714 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 526.6 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 526.6 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 326.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 5260.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 520.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3694.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 360.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 36.0 kBtu/hr	
		SEER: 13.00	
b.	Central Unit	Cap: 48.0 kBtu/hr	
		SEER: 13.00	
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 36.0 kBtu/hr	
		HSPF: 7.20	
b.	Electric Heat Pump	Cap: 48.0 kBtu/hr	
		HSPF: 7.20	
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
b.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.12

Total as-built points: 64977
Total base points: 79401

PASS

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

PREPARED BY: _____

DATE: 5-30-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	5714.0	20.04	20611.5	Double, Clear	N	1.5	7.0	24.0	19.20	0.96	440.1	
				Double, Clear	E	1.5	7.0	24.0	42.06	0.94	947.3	
				Double, Clear	N	1.5	6.0	20.0	19.20	0.94	360.4	
				Double, Clear	N	1.5	7.0	39.0	19.20	0.96	715.1	
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7	
				Double, Clear	N	1.5	6.0	15.0	19.20	0.94	270.3	
				Double, Clear	W	1.5	6.0	20.0	38.52	0.91	703.7	
				Double, Clear	W	1.5	7.0	36.0	38.52	0.94	1302.2	
				Double, Clear	S	1.5	7.0	36.0	35.87	0.89	1155.0	
				Double, Clear	S	10.0	3.0	16.0	35.87	0.43	247.9	
				Double, Clear	E	10.0	3.0	4.0	42.06	0.36	60.0	
				Double, Clear	E	1.5	16.0	32.5	42.06	1.00	1360.3	
				Double, Clear	E	1.5	6.0	66.0	42.06	0.91	2533.9	
				Double, Clear	S	1.5	5.0	37.3	35.87	0.81	1080.5	
				Double, Clear	S	1.5	7.0	39.0	35.87	0.89	1251.3	
				Double, Clear	SE	10.0	9.0	104.0	42.75	0.47	2107.5	
				Double, Clear	S	10.0	12.0	60.0	35.87	0.55	1173.0	
				Double, Clear	S	10.0	3.0	12.0	35.87	0.43	185.9	
				Double, Clear	N	1.5	7.0	12.0	19.20	0.96	220.0	
				Double, Clear	S	1.5	6.0	33.0	35.87	0.86	1013.4	
				Double, Clear	S	1.5	5.0	48.0	35.87	0.81	1389.2	
				As-Built Total:				**707.8**			**19057.6**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	520.0	0.70	364.0	Frame, Wood, Exterior	13.0	5260.0	1.50	7890.0
Exterior	5260.0	1.70	8942.0	Frame, Wood, Adjacent	13.0	520.0	0.60	312.0
Base Total:	**5780.0**		**9306.0**	**As-Built Total:**		**5780.0**		**8202.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Insulated	70.0	4.10	287.0
Exterior	462.0	6.10	2818.2	Exterior Insulated	80.0	4.10	328.0
				Exterior Insulated	144.0	4.10	590.4
				Exterior Insulated	72.0	4.10	295.2
				Exterior Insulated	96.0	4.10	393.6
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**482.0**		**2866.2**	**As-Built Total:**	**482.0**		**1926.2**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	=	Points
Under Attic	3694.0	1.73	6390.6	Under Attic	30.0	3694.0	1.73 X 1.00		6390.6
Base Total:	**3694.0**		**6390.6**	**As-Built Total:**		**3694.0**			**6390.6**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	326.0(p)	-37.0	-12062.0	Slab-On-Grade Edge Insulation	0.0	326.0(p	-41.20		-13431.2
Raised	0.0	0.00	0.0						
Base Total:			**-12062.0**	**As-Built Total:**		**326.0**			**-13431.2**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	5714.0	10.21	58339.9			5714.0	10.21		58339.9
Summer Base Points: 85452.3				**Summer As-Built Points:**					**80485.1**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
				80485	0.43	(1.09 x 1.147 x 0.91)	0.263	1.000	10303.0
				(sys 2: Central Unit 48000 btuh ,SEER/EFF(13.0) Ducts: None					
				80485	0.57	(1.00 x 1.147 x 1.00	0.263	1.000	13737.3
85452.3	**0.4266**		**36454.0**	**80485.1**	**1.00**	**1.138**	**0.263**	**1.000**	**24040.3**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	5714.0	12.74	13103.3

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
Double, Clear	N	1.5	7.0	24.0	24.58	1.00	590.8
Double, Clear	E	1.5	7.0	24.0	18.79	1.03	463.0
Double, Clear	N	1.5	6.0	20.0	24.58	1.00	492.7
Double, Clear	N	1.5	7.0	39.0	24.58	1.00	960.0
Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1
Double, Clear	N	1.5	6.0	15.0	24.58	1.00	369.5
Double, Clear	W	1.5	6.0	20.0	20.73	1.02	424.3
Double, Clear	W	1.5	7.0	36.0	20.73	1.02	758.5
Double, Clear	S	1.5	7.0	36.0	13.30	1.07	514.1
Double, Clear	S	10.0	3.0	16.0	13.30	3.66	778.7
Double, Clear	E	10.0	3.0	4.0	18.79	1.51	113.3
Double, Clear	E	1.5	16.0	32.5	18.79	1.01	614.3
Double, Clear	E	1.5	6.0	66.0	18.79	1.04	1284.3
Double, Clear	S	1.5	5.0	37.3	13.30	1.20	594.3
Double, Clear	S	1.5	7.0	39.0	13.30	1.07	556.9
Double, Clear	SE	10.0	9.0	104.0	14.71	2.04	3118.6
Double, Clear	S	10.0	12.0	60.0	13.30	2.46	1959.2
Double, Clear	S	10.0	3.0	12.0	13.30	3.66	584.0
Double, Clear	N	1.5	7.0	12.0	24.58	1.00	295.4
Double, Clear	S	1.5	6.0	33.0	13.30	1.12	490.4
Double, Clear	S	1.5	5.0	48.0	13.30	1.20	764.2
As-Built Total:				**707.8**			**16465.6**

WALL TYPES

	Area X	BWPM	= Points
Adjacent	520.0	3.60	1872.0
Exterior	5260.0	3.70	19462.0
Base Total:	**5780.0**		**21334.0**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.0	5260.0	3.40	17884.0
Frame, Wood, Adjacent	13.0	520.0	3.30	1716.0
As-Built Total:		**5780.0**		**19600.0**

DOOR TYPES

	Area X	BWPM	= Points
Adjacent	20.0	11.50	230.0
Exterior	462.0	12.30	5682.6
Base Total:	**482.0**		**5912.6**

Type	Area X	WPM	= Points
Exterior Insulated	70.0	8.40	588.0
Exterior Insulated	80.0	8.40	672.0
Exterior Insulated	144.0	8.40	1209.6
Exterior Insulated	72.0	8.40	604.8
Exterior Insulated	96.0	8.40	806.4
Adjacent Insulated	20.0	8.00	160.0
As-Built Total:	**482.0**		**4040.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT						
CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	X WCM	=	Points
Under Attic	3694.0	2.05	7572.7	Under Attic	30.0	3694.0	2.05	X 1.00		7572.7
Base Total:	**3694.0**		**7572.7**	**As-Built Total:**		**3694.0**				**7572.7**
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM		=	Points
Slab	326.0(p)	8.9	2901.4	Slab-On-Grade Edge Insulation	0.0	326.0(p	18.80			6128.8
Raised	0.0	0.00	0.0							
Base Total:			**2901.4**	**As-Built Total:**		**326.0**				**6128.8**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM		=	Points
	5714.0	-0.59	-3371.3			5714.0	-0.59			-3371.3
Winter Base Points:			**47452.8**	**Winter As-Built Points:**						**50436.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
				(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				50436.7	0.429	(1.069 x 1.169 x 0.93)	0.474	1.000		11897.8
				(sys 2: Electric Heat Pump 48000 btuh ,EFF(7.2) Ducts: None						
				50436.7	0.571(1.00 x 1.169 x 1.00)		0.474	1.000		15863.7
47452.8	**0.6274**	**29771.9**		**50436.7**	**1.00**	**1.162**	**0.474**	**1.000**		**27761.5**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
WATER HEATING												
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X	Credit Multiplier	= Total
5		2635.00	13175.0	50.0	0.92	5		0.50	2635.00		1.00	6587.5
				50.0	0.92	5		0.50	2635.00		1.00	6587.5
				As-Built Total:								**13175.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
36454	**29772**	**13175**	**79401**	**24040**	**27762**	**13175**	**64977**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

Sunil Patel, Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	5	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	5714 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor:	Description Area	
	(or Single or Double DEFAULT)	7a. (Dble Default) 526.6 ft²	
b.	SHGC:		
	(or Clear or Tint DEFAULT)	7b. (Clear) 526.6 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 326.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 5260.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 520.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3694.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 360.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 36.0 kBtu/hr	
		SEER: 13.00	
b.	Central Unit	Cap: 48.0 kBtu/hr	
		SEER: 13.00	
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 36.0 kBtu/hr	
		HSPF: 7.20	
b.	Electric Heat Pump	Cap: 48.0 kBtu/hr	
		HSPF: 7.20	
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
b.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
c.	Conservation credits		
	(HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits		
	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001403

DATE 06/21/2007 PARCEL ID # 31-3S-16-02411-110

APPLICANT ROXANNE NAPIER PHONE 719-7143

ADDRESS 2109 W US HIGHWAY 90 LAKE CITY FL 32055

OWNER SUNIL & PRAVINA PATEL PHONE 364-5730

ADDRESS 518 SW WINDSOR DRIVE LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 90W, TL ON WINDSOR DR, AROUND CURVE, ON RIGHT, THE LOT BEFORE FIRST HOUSE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HILLS OF WINDSOR 10

SIGNATURE Roxanne Napier

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

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 31-3S-16-02411-110 **Building permit No.** 000025944

Use Classification SFD,UTILITY **Fire:** 44.94

Permit Holder ISAAC CONSTRUCTION **Waste:** 117.25

Owner of Building SUNIL & PRAVINA PATEL **Total:** 162.19

Location: 518 SW WINDSOR DRIVE., LAKE CITY, FL

Date: 03/27/2009

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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. #25940

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB102475 Company Phone No. 386-755-0011
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Sunil Patel Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 518 S.W Windsor Dr. Lake City FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 7-19-07
Brand Name of Product(s) Used Biflex
EPA Registration No. 53484-164
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 5424 Linear ft. 340 Linear ft. of Masonry Voids 340
Approximate Total Gallons of Solution Applied 115T
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 Treated

Name of Applicator(s) Steve Brennan Certification No. (if required by State law) JF104376

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 7-19-07 Date 7-19-07

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)

ISAAC CONSTRUCTION, LLC.
FINE CUSTOM HOMEBUILDING
CBC059323

"BUILDING DREAM HOMES"

2109 W. US HWY 90 | SUITE #170 PMB338
LAKE CITY, FL 32055

March 26, 2009

Columbia County Building & Zoning Department
Attn: Randy Jones
135 NE Hernando Avenue
Suite # B21
Lake City, FL 32055

RE: Permit # 000025944
Sunil & Pravina Patel
518 SW Windsor Drive
Lake City, FL 32024

It is agreed between Isaac Bratkovich, owner of Isaac Construction, LLC the Contractor on the above home and Sunil Patel the owner of the above home that Sunil Patel will provide and install a permanent hand railing for the front steps of the home.

Sunil Patel
Home Owner

Isaac Bratkovich, Owner
Isaac Construction, LLC

Sunil Patel

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 4/23/2007 **DATE ISSUED:** 4/24/2007

ENHANCED 9-1-1 ADDRESS:

518 SW WINDSOR DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

31-3S-16-02411-110

Remarks:

LOT 10 HILLS OF WINDSOR S/D.

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

728

Approved Address

APR 24 2007

911Addressing/GIS Dept

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

Prepared by:
Kristy B. Clayton
Closing Time Title, Inc.
101 Polo Park Boulevard, Suite 5B
Davenport, Florida 33897

File Number: 06-1068

Inst:2006011936 Date:05/16/2006 Time:14:00
Doc Stamp-Deed : 1225.00
DC,P.DeWitt Cason,Columbia County B:1083 P:2494

General Warranty Deed

Made this 5-2 2006 A.D. By Ralph Fenimore, PO Box 405, Matlacha, Florida 33993, hereinafter called the grantor, to Sunil Patel and Pravina Patel, husband and wife, whose post office address is: 802 White Ave, Live Oak, Florida 32064, hereinafter called the 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)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 10, HILLS OF WINDSOR, according to the Plat thereof, as recorded in PFRD Book 1, Page(s) 1 through 3, inclusive, of the Public Records of Columbia County, Florida

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: 313S[redacted]

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2004.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Laurel McClenithan
Witness Printed Name Laurel McClenithan

Liza Thomas
Witness Printed Name Liza Thomas

(Seal)
Ralph Fenimore
Address: PO Box 405, Matlacha, Florida 33993

(Seal)
Address:

State of Florida
County of Lee

The foregoing instrument was acknowledged before me this 5-2-06 February, by Ralph Fenimore, who is/are personally known to me, or who has produced as identification.

Laurel McClenithan
Notary Public
Print Name: Laurel McClenithan

My Commission Expires:

Laurel McClenithan
MY COMMISSION # DD155675 EXPIRES
October 19, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

DBPR Individual Warranty Deed With Non-Homestead-Legal on Face
Closer's Choice

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 31-3S-16-02411-110

1. **Description of property: (legal description of the property and street address or 911 address)**
Hills of Windsor Lot #10 (518 SW Windsor Dr.)
S/D WD 1027-841, WD 1083-2494
First left in subdivision. Round curve + lot #10 is right side. Lot before first house.

2. **General description of improvement:** single family dwelling

3. **Owner Name & Address** Sunil + Pravina Patel 802 White Ave. Live Oak, FL 32064 **Interest in Property** _____

4. **Name & Address of Fee Simple Owner (if other than owner):** _____

5. **Contractor Name** Isaac Construction **Phone Number** 719-7143
Address 2109 W US Hwy 90 Suite 170 PMB #338 L C FL 32055

6. **Surety Holders Name** n/A **Phone Number** _____
Address _____
Amount of Bond n/A

7. **Lender Name** cash **Phone Number** _____
Address _____

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name n/A
Address _____

Inst:200701156l Date:05/23/2007 Time:13:26
DC,P.DeWitt Cason,Columbia County B:1120 P:145

9. **In addition to himself/herself the owner design** _____ **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee** _____

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Columbia County Building Department Plan Review for Compliance State of Florida

Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Fain-Insurance, Inc. 800-385-7019

Sworn to (or affirmed) and subscribed before 23 **day of** May, 2007

NOTARY STAMP/SEAL

Barbara C. Webster
Signature of Notary

ELECTRICAL LEGEND

- 2'X4' 4-LAMP FLUORESCENT LIGHT WITH STD. BALLAST
- EXHAUST FAN
- INCANDESCENT LIGHT FIXTURE
- EXHAUST FAN/LIGHT COMBO
- CAN LIGHT
- EYEBALL CAN LIGHT
- WALL SCONCE
- DOUBLE SPOTLIGHT
- TELEPHONE OUTLET
- TELEVISION OUTLET
- LOW WATTAGE LIGHTING
- SMOKE DETECTOR
- SWITCH
- 3-WAY SWITCH
- DIMMER SWITCH
- RECEPTACLE
- RECEPTACLE W/ GROUND FAULT INTERRUPT
- SPLIT RECEPTACLE (1 SWITCHED, 1 CONSTANT)
- 220 VOLT RECEPTACLE
- BATTERY BACKUP EMERGENCY LIGHTING

ELECTRICAL PLAN NOTES

E-1

E-2

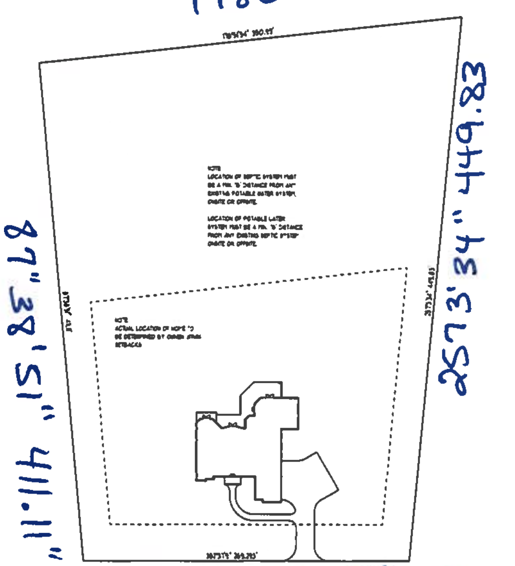
E-3

E-4

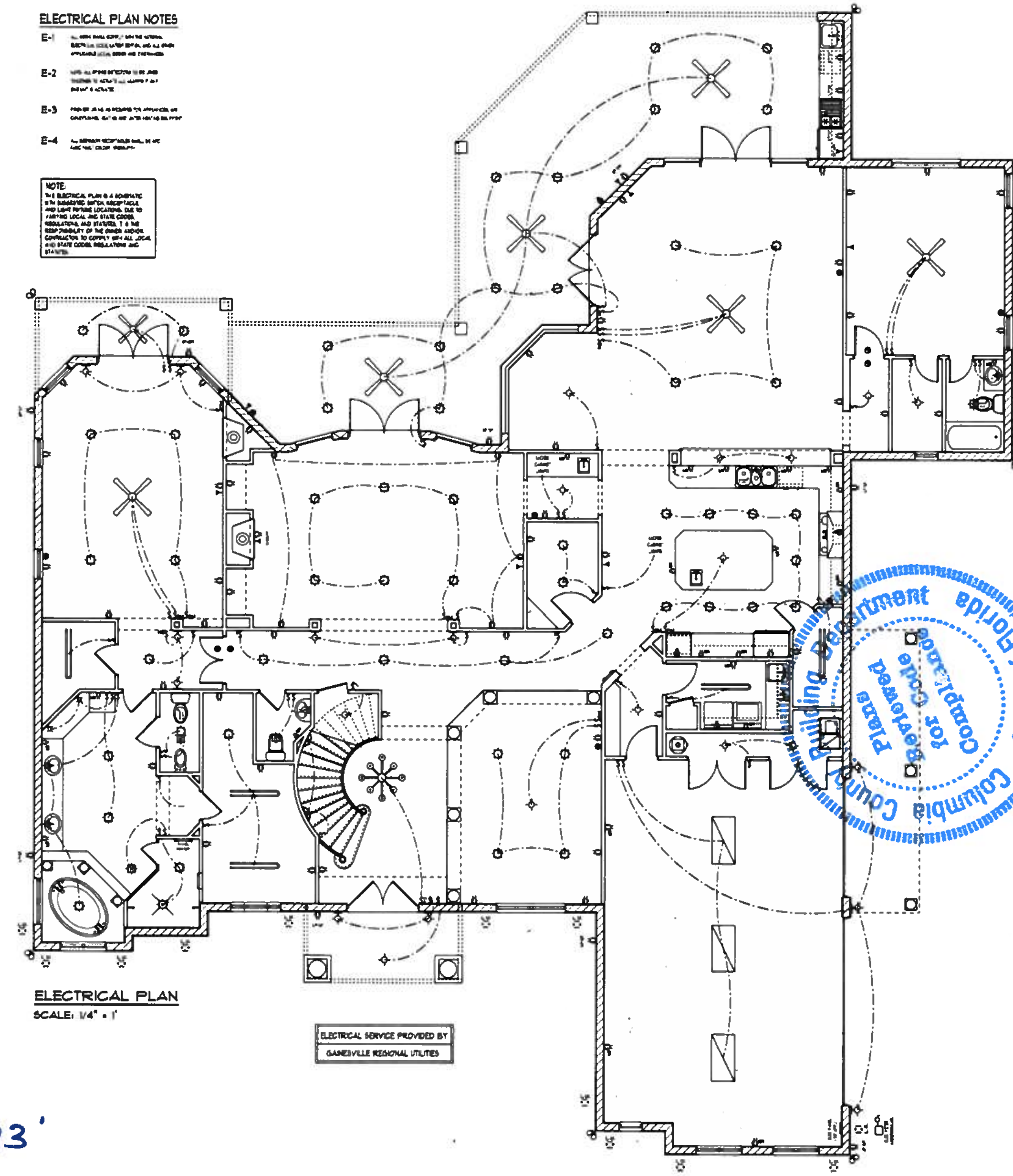
NOTE:

site PLAN ↓

178°51'54" 350.99'



SITE PLAN
SCALE: 1" = 40'
HILLS OF WINDSOR
LOT 10



ELECTRICAL PLAN
SCALE: 1/4" = 1'

ELECTRICAL SERVICE PROVIDED BY
GAINESVILLE REGIONAL UTILITIES

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

January 11, 2007

DDS Studios
ARCHITECTURAL DESIGN

COPYRIGHTED BY

DESIGNED BY:

CUSTOM HOME DESIGNED FOR:
SUNIL & PRAVINA PATEL
COPYRIGHT 2006: DDS STUDIOS

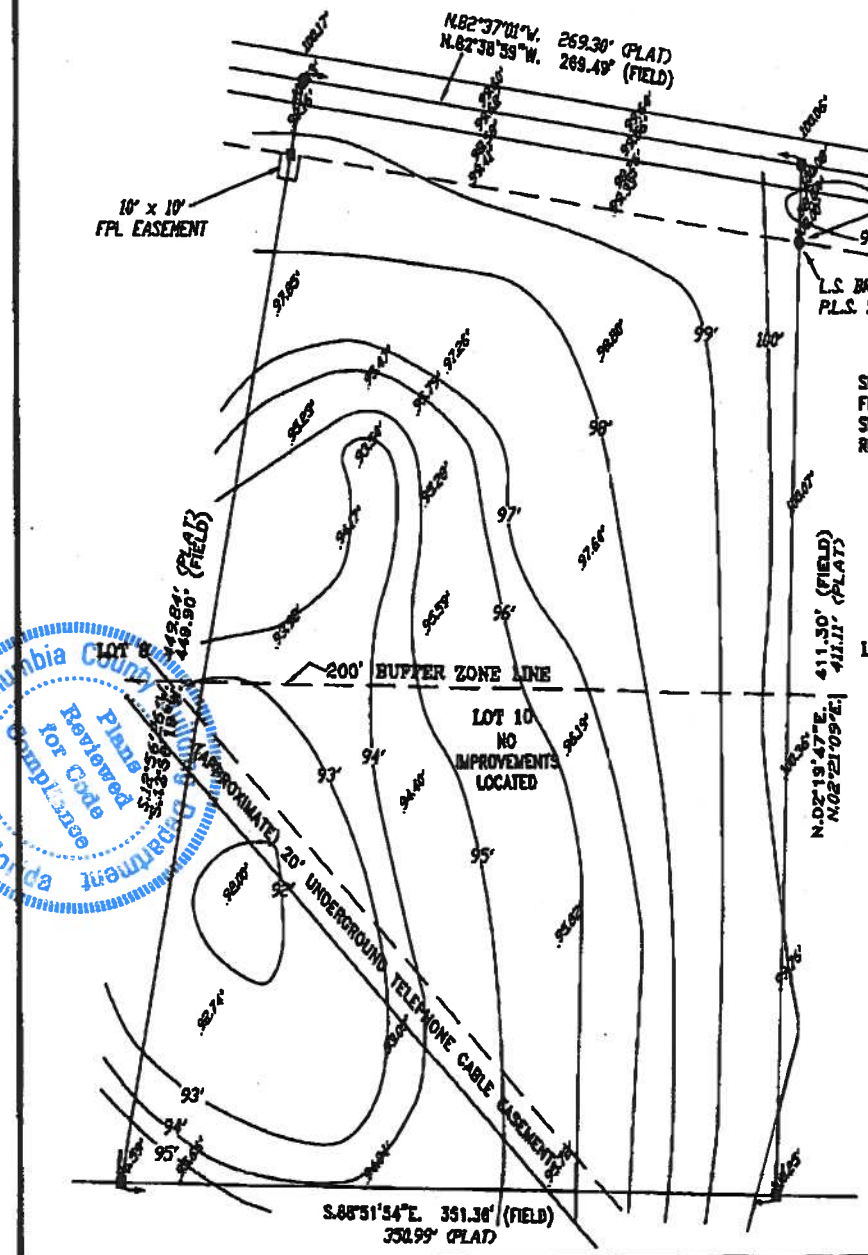
DESIGNED FOR:

Daniel Shaheen

ELECTRICAL PLAN
SITE PLAN

SHEET NUMBER
5 of 5

BOUNDARY SURVEY IN SECTION 31, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



SYMBOL LEGEND

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- ◉ SATELLITE DISH
- ⊡ TELEPHONE BOX
- —E— ELECTRIC LINES
- —x— WIRE FENCE
- —o— CHAIN LINK FENCE
- —#— WOODEN FENCE

NOTE: UNLESS OTHERWISE DENOTED ALL PROPERTY CORNERS LOCATED WERE IDENTIFIED AS BAILEY, BISHOP & LANE, L.B. 6685.

DESCRIPTION:
LOT 10 OF "HILLS OF WINDSOR" AS PER PLAT THEREOF RECORDED IN PRRD BOOK 1, PAGES 1-3 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED ELEVATION OF 100.00 FEET.

CERTIFIED TO:

SUNIL PATEL

FIELD BOOK 297 PAGE(S) 14

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

04/27/07 FIELD SURVEY DATE
04/30/07 DRAWING DATE
L. SCOTT BRITT, PSM CERTIFICATE # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING & ASSOCIATES, INC.
LAND SURVEYORS AND MAPPERS
930 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-18369

ASPEN
PEST CONTROL, INC.

Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

(Patel) Hills Of Winsor 518 Winsor Dr. Lake City, Fl. 32024
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate
Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood
Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Celia Dayden
Authorized Signature

4/23/07
Date

Columbia County Property Appraiser

DB Last Updated: 4/11/2007

Parcel: 31-3S-16-02411-110

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	PATEL SUNIL & PRAVINA		
Site Address			
Mailing Address	802 WHITE AVE LIVE OAK, FL 32064		
Use Desc. (code)	VACANT (000000)		
Neighborhood	30316.00	**Tax District**	3
UD Codes	MKTA01	**Market Area**	01
Total Land Area	3.040 ACRES		
Description	LOT 10 HILLS OF WINDSOR S/D. WD 1027-841. WD 1083-2494		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$125,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$125,000.00

Just Value	$125,000.00
Class Value	$0.00
Assessed Value	$125,000.00
Exempt Value	$0.00
Total Taxable Value	$125,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
5/2/2006	1083/2494	WD	V	Q		$175,000.00
9/15/2004	1027/841	WD	V	Q		$65,000.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (3.040AC)	1.00/1.00/1.00/1.00	$125,000.00	$125,000.00

Columbia County Property Appraiser

DB Last Updated: 4/11/2007

1 of 1

LOT 10 HILLS OF WINDSOR S/D.
WD 1027-841. WD 1083-2494

PATEL SUNIL & PRAVINA
802 WHITE AVE
LIVE OAK, FL 32064

31-3S-16-02411-110

Columbia County 2007 R
CARD 001 of 001

PRINTED 4/11/2007 8:57 BY JEFF
APPR 7/25/2006 DF

BUSE		AE?	HTD AREA	.000	INDEX	30316.00	DIST 3	PUSE	000000 VACANT
MOD	BATH		EFF AREA	105.914	E-RATE	.000	INDX	STR 30- 3S-16E	
EXW	FIXT		RCN				AYB	MKT AREA 01	0 BLDG
%	BDRM		%GOOD		BLDG VAL		EYB	(PUD1	0 XFOB
RSTR	RMS							AC 3.040	125,000 LAND
RCVR	UNTS							NTCD	0 AG
%	C-W%							APPR CD	0 MKAG
INTW	HGHT							CNDO	125,000 JUST
%	PMTR							SUBD	0 CLAS
FLOR	STYS							BLK	
%	ECON							LOT	0 SOHD
HTTP	FUNC							MAP# 22	0 ASSD
A/C	SPCD								0 EXPT
QUAL	DEPR							TXDT 003	0 COTXBL
FNDN	UD-1								
SIZE	UD-2								
CEIL	UD-3								
ARCH	UD-4								
FRME	UD-5								
KTCH	UD-6								
WNDO	UD-7								
CLAS	UD-8								
OCC	UD-9								
COND	%								

FIELD CK:
LOC:

BLDG TRAVERSE

SUB	A-AREA	%	E-AREA	SUB VALUE
TOTAL				

PERMITS

NUMBER	DESC	AMT	ISSUED

SALE

BOOK	PAGE	DATE		PRICE
1083	2494	5/02/2006	Q V	175000
GRANTOR RALPH FENIMORE				
GRANTEE SUNIL & PRAVINA PATEL				
1027	841	9/15/2004	Q V	65000
GRANTOR JORDAN ET AL				
GRANTEE RALPH FENIMORE				

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	FIELD CK: ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %	%GOOD	XFOB VALUE

AE	LAND CODE	DESC	ZONE	TOPO	ROAD	UTIL	UD1	UD2	UD3	UD4	FRONT	BACK	DEPTH	DT	FIELD CK: ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR	LAND VALUE
Y	000000	VAC RES			0003										1.00 1.00 1.00 1.00	1.000	LT	125000.000	125000.00	125,000
			0002		0003															

2007

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number
1. EXTERIOR DOORS			
A. SWINGING	PlastPRO, INC	3068 & 60068 Fiberglass	4760.1 & 2
B. SLIDING	CAPital	8068	7055.1
C. SECTIONAL	Raynor	Classic Sectional Garage Door	FL-3070
D. ROLL UP	Janus	Model 3100 - Rolling Steel Door	FL-2274
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	CAPital	48 X 84	6029.7
B. HORIZONTAL SLIDER	CAPital	126 X 59	6024.4
C. CASEMENT			
D. DOUBLE HUNG	Davrid	Single Hung windows	FL13169
E. FIXED	CAPital	96 X 72	6028.20
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	Alcoa	vinyl siding	FL1621
B. SOFFITS	ASI Building Pro.	Aluminum & vinyl soffit	FL5546 1 & 2
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMKO	30-YEAR Shingles Asphalt	FL673
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			

I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			

Category/Subcategory	Manufacturer	Product Description	Approval Number
N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS	Simpson Strong	Wood connectors/anchors	FL1474
B. TRUSS PLATES	Alpine Engineered	ProBuilt - Alpine Truss Plates	FL999
C. ENGINEERED LUMBER	LPEWP	Laminated Beams, I Joist	FL 1511
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of tl products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the per characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

DATE

L:/GENERAL/STATEPROD.XLS

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**S, Patel Residence**	Builder:	**Isaac Const**
Address:	**Lot: 10, Sub: Hills of Windso, Plat:**	Permitting Office:	
City, State:	**Lake City, Fl**	Permit Number:	
Owner:	**Sunil Patel**	Jurisdiction Number:	
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	5	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	5714 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 526.6 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 526.6 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 326.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 5260.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 520.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3694.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 360.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 36.0 kBtu/hr	
		SEER: 13.00	
b.	Central Unit	Cap: 48.0 kBtu/hr	
		SEER: 13.00	
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 36.0 kBtu/hr	
		HSPF: 7.20	
b.	Electric Heat Pump	Cap: 48.0 kBtu/hr	
		HSPF: 7.20	
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
b.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.92	
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.12

Total as-built points: 64977
Total base points: 79401

PASS

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

PREPARED BY: _____

DATE: 5-30-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	5714.0	20.04	20611.5

WALL TYPES

	Area X	BSPM	= Points
Adjacent	520.0	0.70	364.0
Exterior	5260.0	1.70	8942.0
Base Total:	**5780.0**		**9306.0**

DOOR TYPES

	Area X	BSPM	= Points
Adjacent	20.0	2.40	48.0
Exterior	462.0	6.10	2818.2
Base Total:	**482.0**		**2866.2**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF =	Points
Double, Clear	N	1.5	7.0	24.0	19.20	0.96	440.1
Double, Clear	E	1.5	7.0	24.0	42.06	0.94	947.3
Double, Clear	N	1.5	6.0	20.0	19.20	0.94	360.4
Double, Clear	N	1.5	7.0	39.0	19.20	0.96	715.1
Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7
Double, Clear	N	1.5	6.0	15.0	19.20	0.94	270.3
Double, Clear	W	1.5	6.0	20.0	38.52	0.91	703.7
Double, Clear	W	1.5	7.0	36.0	38.52	0.94	1302.2
Double, Clear	S	1.5	7.0	36.0	35.87	0.89	1155.0
Double, Clear	S	10.0	3.0	16.0	35.87	0.43	247.9
Double, Clear	E	10.0	3.0	4.0	42.06	0.36	60.0
Double, Clear	E	1.5	16.0	32.5	42.06	1.00	1360.3
Double, Clear	E	1.5	6.0	66.0	42.06	0.91	2533.9
Double, Clear	S	1.5	5.0	37.3	35.87	0.81	1080.5
Double, Clear	S	1.5	7.0	39.0	35.87	0.89	1251.3
Double, Clear	SE	10.0	9.0	104.0	42.75	0.47	2107.5
Double, Clear	S	10.0	12.0	60.0	35.87	0.55	1173.0
Double, Clear	S	10.0	3.0	12.0	35.87	0.43	185.9
Double, Clear	N	1.5	7.0	12.0	19.20	0.96	220.0
Double, Clear	S	1.5	6.0	33.0	35.87	0.86	1013.4
Double, Clear	S	1.5	5.0	48.0	35.87	0.81	1389.2
As-Built Total:				**707.8**			**19057.6**

Type	R-Value	Area X	SPM =	Points
Frame, Wood, Exterior	13.0	5260.0	1.50	7890.0
Frame, Wood, Adjacent	13.0	520.0	0.60	312.0
As-Built Total:		**5780.0**		**8202.0**

Type	Area X	SPM =	Points
Exterior Insulated	70.0	4.10	287.0
Exterior Insulated	80.0	4.10	328.0
Exterior Insulated	144.0	4.10	590.4
Exterior Insulated	72.0	4.10	295.2
Exterior Insulated	96.0	4.10	393.6
Adjacent Insulated	20.0	1.60	32.0
As-Built Total:	**482.0**		**1926.2**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	=	Points
Under Attic	3694.0	1.73	6390.6	Under Attic	30.0	3694.0	1.73 X 1.00		6390.6
Base Total:	**3694.0**		**6390.6**	**As-Built Total:**		**3694.0**			**6390.6**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	326.0(p)	-37.0	-12062.0	Slab-On-Grade Edge Insulation	0.0	326.0(p	-41.20		-13431.2
Raised	0.0	0.00	0.0						
Base Total:			**-12062.0**	**As-Built Total:**		**326.0**			**-13431.2**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	5714.0	10.21	58339.9			5714.0	10.21		58339.9
Summer Base Points: 85452.3				**Summer As-Built Points:**					**80485.1**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
				80485	0.43	(1.09 x 1.147 x 0.91)	0.263	1.000	10303.0
				(sys 2: Central Unit 48000 btuh ,SEER/EFF(13.0) Ducts: None					
				80485	0.57	(1.00 x 1.147 x 1.00	0.263	1.000	13737.3
85452.3	**0.4266**		**36454.0**	**80485.1**	**1.00**	**1.138**	**0.263**	**1.000**	**24040.3**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	5714.0	12.74	13103.3	Double, Clear	N	1.5	7.0	24.0	24.58	1.00	590.8	
				Double, Clear	E	1.5	7.0	24.0	18.79	1.03	463.0	
				Double, Clear	N	1.5	6.0	20.0	24.58	1.00	492.7	
				Double, Clear	N	1.5	7.0	39.0	24.58	1.00	960.0	
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1	
				Double, Clear	N	1.5	6.0	15.0	24.58	1.00	369.5	
				Double, Clear	W	1.5	6.0	20.0	20.73	1.02	424.3	
				Double, Clear	W	1.5	7.0	36.0	20.73	1.02	758.5	
				Double, Clear	S	1.5	7.0	36.0	13.30	1.07	514.1	
				Double, Clear	S	10.0	3.0	16.0	13.30	3.66	778.7	
				Double, Clear	E	10.0	3.0	4.0	18.79	1.51	113.3	
				Double, Clear	E	1.5	16.0	32.5	18.79	1.01	614.3	
				Double, Clear	E	1.5	6.0	66.0	18.79	1.04	1284.3	
				Double, Clear	S	1.5	5.0	37.3	13.30	1.20	594.3	
				Double, Clear	S	1.5	7.0	39.0	13.30	1.07	556.9	
				Double, Clear	SE	10.0	9.0	104.0	14.71	2.04	3118.6	
				Double, Clear	S	10.0	12.0	60.0	13.30	2.46	1959.2	
				Double, Clear	S	10.0	3.0	12.0	13.30	3.66	584.0	
				Double, Clear	N	1.5	7.0	12.0	24.58	1.00	295.4	
				Double, Clear	S	1.5	6.0	33.0	13.30	1.12	490.4	
				Double, Clear	S	1.5	5.0	48.0	13.30	1.20	764.2	
				As-Built Total:				**707.8**			**16465.6**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	520.0	3.60	1872.0	Frame, Wood, Exterior	13.0	5260.0	3.40	17884.0
Exterior	5260.0	3.70	19462.0	Frame, Wood, Adjacent	13.0	520.0	3.30	1716.0
Base Total:	**5780.0**		**21334.0**	**As-Built Total:**		**5780.0**		**19600.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	Exterior Insulated	70.0	8.40	588.0
Exterior	462.0	12.30	5682.6	Exterior Insulated	80.0	8.40	672.0
				Exterior Insulated	144.0	8.40	1209.6
				Exterior Insulated	72.0	8.40	604.8
				Exterior Insulated	96.0	8.40	806.4
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**482.0**		**5912.6**	**As-Built Total:**	**482.0**		**4040.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT						
CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM	=	Points
Under Attic	3694.0	2.05	7572.7	Under Attic	30.0	3694.0	2.05 X	1.00		7572.7
Base Total:	**3694.0**		**7572.7**	**As-Built Total:**		**3694.0**				**7572.7**
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM		=	Points
Slab	326.0(p)	8.9	2901.4	Slab-On-Grade Edge Insulation	0.0	326.0(p	18.80			6128.8
Raised	0.0	0.00	0.0							
Base Total:			**2901.4**	**As-Built Total:**		**326.0**				**6128.8**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM		=	Points
	5714.0	-0.59	-3371.3			5714.0	-0.59			-3371.3
Winter Base Points:			**47452.8**	**Winter As-Built Points:**						**50436.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
				(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				50436.7	0.429	(1.069 x 1.169 x 0.93)	0.474	1.000		11897.8
				(sys 2: Electric Heat Pump 48000 btuh ,EFF(7.2) Ducts: None						
				50436.7	0.571(1.00 x 1.169 x 1.00)		0.474	1.000		15863.7
47452.8	**0.6274**	**29771.9**		**50436.7**	**1.00**	**1.162**	**0.474**	**1.000**		**27761.5**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
5		2635.00	13175.0	50.0	0.92	5	0.50	2635.00	1.00	6587.5	
				50.0	0.92	5	0.50	2635.00	1.00	6587.5	
				As-Built Total:						**13175.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
36454	**29772**	**13175**	**79401**	**24040**	**27762**	**13175**	**64977**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

Sunil Patel, Lot: 10, Sub: Hills of Windso, Plat: , Lake City, Fl,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 36.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	5			b. Central Unit	Cap: 48.0 kBtu/hr
5.	Is this a worst case?	No				SEER: 13.00
6.	Conditioned floor area (ft²)	5714 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 526.6 ft²			a. Electric Heat Pump	Cap: 36.0 kBtu/hr
	b. SHGC:					HSPF: 7.20
	(or Clear or Tint DEFAULT)	7b. (Clear) 526.6 ft²			b. Electric Heat Pump	Cap: 48.0 kBtu/hr
8.	Floor types					HSPF: 7.20
	a. Slab-On-Grade Edge Insulation	R=0.0, 326.0(p) ft			c. N/A	
	b. N/A			14.	Hot water systems	
	c. N/A				a. Electric Resistance	Cap: 50.0 gallons
9.	Wall types					EF: 0.92
	a. Frame, Wood, Exterior	R=13.0, 5260.0 ft²			b. Electric Resistance	Cap: 50.0 gallons
	b. Frame, Wood, Adjacent	R=13.0, 520.0 ft²				EF: 0.92
	c. N/A				c. Conservation credits	
	d. N/A				(HR-Heat recovery, Solar	
	e. N/A				DHP-Dedicated heat pump)	
10.	Ceiling types			15.	HVAC credits	
	a. Under Attic	R=30.0, 3694.0 ft²			(CF-Ceiling fan, CV-Cross ventilation,	
	b. N/A				HF-Whole house fan,	
	c. N/A				PT-Programmable Thermostat,	
11.	Ducts				MZ-C-Multizone cooling,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 360.0 ft			MZ-H-Multizone heating)	
	b. N/A					

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Residential System Sizing Calculation

Summary

Sunil Patel

Lake City, Fl

Project Title:
S, Patel Residence

Code Only
Professional Version
Climate: North

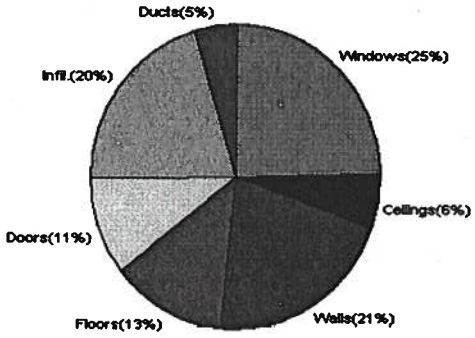
5/30/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**81170**	**Btuh**	**Total cooling load calculation**	**77999**	**Btuh**
Submitted heating capacity	84000	Btuh	Submitted cooling capacity	84000	Btuh
Submitted as % of calculated	103.5	%	Submitted as % of calculated	107.7	%

WINTER CALCULATIONS

Winter Heating Load (for 5714 sqft)

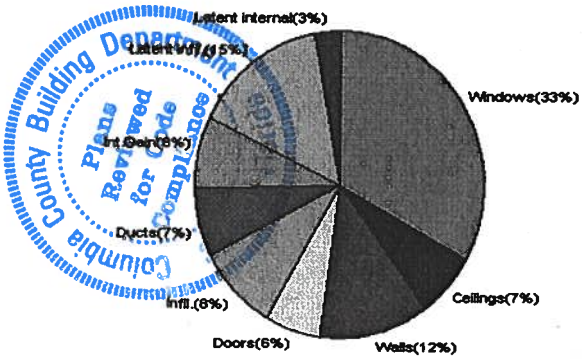
Load component			Load	
Window total	708	sqft	20032	Btuh
Wall total	5780	sqft	17138	Btuh
Door total	482	sqft	8656	Btuh
Ceiling total	3694	sqft	4802	Btuh
Floor total	326	ft	10302	Btuh
Infiltration	382	cfm	16375	Btuh
Subtotal			**77305**	**Btuh**
Duct loss			3865	Btuh
TOTAL HEAT LOSS			**81170**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 5714 sqft)

Load component			Load	
Window total	708	sqft	25849	Btuh
Wall total	5780	sqft	9693	Btuh
Door total	482	sqft	4887	Btuh
Ceiling total	3694	sqft	5245	Btuh
Floor total			0	Btuh
Infiltration	334	cfm	6613	Btuh
Internal gain			6000	Btuh
Subtotal(sensible)			**58288**	**Btuh**
Duct gain			5829	Btuh
Total sensible gain			**64117**	**Btuh**
Latent gain(infiltration)			11583	Btuh
Latent gain(internal)			2300	Btuh
Total latent gain			**13883**	**Btuh**
TOTAL HEAT GAIN			**77999**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: 5-30-07

System Sizing Calculations - Winter

Residential Load - Component Details

Sunil Patel

Lake City, Fl

Project Title:
S, Patel Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

5/30/2007

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	24.0	28.3	679 Btuh
2	2, Clear, Metal, DEF	E	24.0	28.3	679 Btuh
3	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	N	39.0	28.3	1104 Btuh
5	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
7	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
8	2, Clear, Metal, DEF	W	36.0	28.3	1019 Btuh
9	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
10	2, Clear, Metal, DEF	S	16.0	28.3	453 Btuh
11	2, Clear, Metal, DEF	E	4.0	28.3	113 Btuh
12	2, Clear, Metal, DEF	E	32.5	28.3	920 Btuh
13	2, Clear, Metal, DEF	E	66.0	28.3	1868 Btuh
14	2, Clear, Metal, DEF	S	37.3	28.3	1057 Btuh
15	2, Clear, Metal, DEF	S	39.0	28.3	1104 Btuh
16	2, Clear, Metal, DEF	SE	104.0	28.3	2943 Btuh
17	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
18	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
19	2, Clear, Metal, DEF	N	12.0	28.3	340 Btuh
20	2, Clear, Metal, DEF	S	33.0	28.3	934 Btuh
21	2, Clear, Metal, DEF	S	48.0	28.3	1358 Btuh
	Window Total		708		20032 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	5260	3.1	16306 Btuh
2	Frame - Adjacent	13.0	520	1.6	832 Btuh
	Wall Total		5780		17138 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		70	18.3	1283 Btuh
2	Insulated - Exter		80	18.3	1466 Btuh
3	Insulated - Exter		144	18.3	2640 Btuh
4	Insulated - Exter		72	18.3	1320 Btuh
5	Insulated - Exter		96	18.3	1760 Btuh
6	Insulated - Adjac		20	9.4	188 Btuh
	Door Total		482		8656Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3694	1.3	4802 Btuh
	Ceiling Total		3694		4802Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	326.0 ft(p)	31.6	10302 Btuh
	Floor Total		326		10302 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Sunil Patel

Lake City, Fl

Project Title:
S, Patel Residence

Code Only
Professional Version
Climate: North

5/30/2007

Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	57140(sqft)	382	16375 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			382	16375 Btuh

Totals for Heating	**Subtotal**	**77305 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**3865 Btuh**
	Total Btuh Loss	**81170 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Sunil Patel
Lake City, Fl

Project Title:
S, Patel Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 5/30/2007

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	7	24.0	0.0	24.0	22	22	528	Btuh
2	2, Clear, DEF, N, N	E	1.5	7	24.0	1.0	23.0	22	72	1679	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	22	22	440	Btuh
4	2, Clear, DEF, N, N	N	1.5	7	39.0	0.0	39.0	22	22	858	Btuh
5	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	22	22	660	Btuh
6	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	22	22	330	Btuh
7	2, Clear, DEF, N, N	W	1.5	6	20.0	1.0	19.0	22	72	1391	Btuh
8	2, Clear, DEF, N, N	W	1.5	7	36.0	0.7	35.3	22	72	2555	Btuh
9	2, Clear, DEF, N, N	S	1.5	7	36.0	36.0	0.0	22	37	792	Btuh
10	2, Clear, DEF, N, N	S	10	3	16.0	4.0	12.0	22	37	532	Btuh
11	2, Clear, DEF, N, N	E	10	3	4.0	4.0	0.0	22	72	88	Btuh
12	2, Clear, DEF, N, N	E	1.5	16	32.5	0.0	32.5	22	72	2340	Btuh
13	2, Clear, DEF, N, N	E	1.5	6	66.0	4.5	61.5	22	72	4528	Btuh
14	2, Clear, DEF, N, N	S	1.5	5	37.3	37.3	0.0	22	37	821	Btuh
15	2, Clear, DEF, N, N	S	1.5	7	39.0	19.5	19.5	22	37	1150	Btuh
16	2, Clear, DEF, N, N	SE	10	9	104.0	104.0	0.0	22	62	2288	Btuh
17	2, Clear, DEF, N, N	S	10	12	60.0	30.0	30.0	22	37	1770	Btuh
18	2, Clear, DEF, N, N	S	10	3	12.0	12.0	0.0	22	37	264	Btuh
19	2, Clear, DEF, N, N	N	1.5	7	12.0	0.0	12.0	22	22	264	Btuh
20	2, Clear, DEF, N, N	S	1.5	6	33.0	16.5	16.5	22	37	974	Btuh
21	2, Clear, DEF, N, N	S	1.5	5	48.0	12.0	36.0	22	37	1596	Btuh
	Window Total				708					25849	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	5260.0	1.7	9152	Btuh
2	Frame - Adjacent	13.0	520.0	1.0	541	Btuh
	Wall Total		5780.0		9693	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	70.0	10.1	710	Btuh
2	Insulated - Exter	80.0	10.1	811	Btuh
3	Insulated - Exter	144.0	10.1	1460	Btuh
4	Insulated - Exter	72.0	10.1	730	Btuh
5	Insulated - Exter	96.0	10.1	973	Btuh
6	Insulated - Adjac	20.0	10.1	203	Btuh
	Door Total	482.0		4887	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	3694.0	1.4	5245	Btuh
	Ceiling Total		3694.0		5245	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	326.0 ft(p)	0.0	0	Btuh
	Floor Total		326.0		0	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Sunil Patel

Lake City, Fl

Project Title:
S, Patel Residence

Code Only
Professional Version
Climate: North

5/30/2007

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	57140	334.0	6613 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			334	6613 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		10	X	300	+	3000	6000 Btuh

Totals for Cooling	**Subtotal**	**58288 Btuh**
	Duct gain(using duct multiplier of 0.10)	**5829 Btuh**
	Total sensible gain	**64117 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**11583 Btuh**
	Latent occupant gain (10 people @ 230 Btuh per person)	**2300 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**77999 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T7J8228Z0221160307

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-101R--Isaac Construction SUNIL PATEL RES. -- , **
Truss Count:	111
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.36, 7.31, 7.24.
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 - 55.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

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

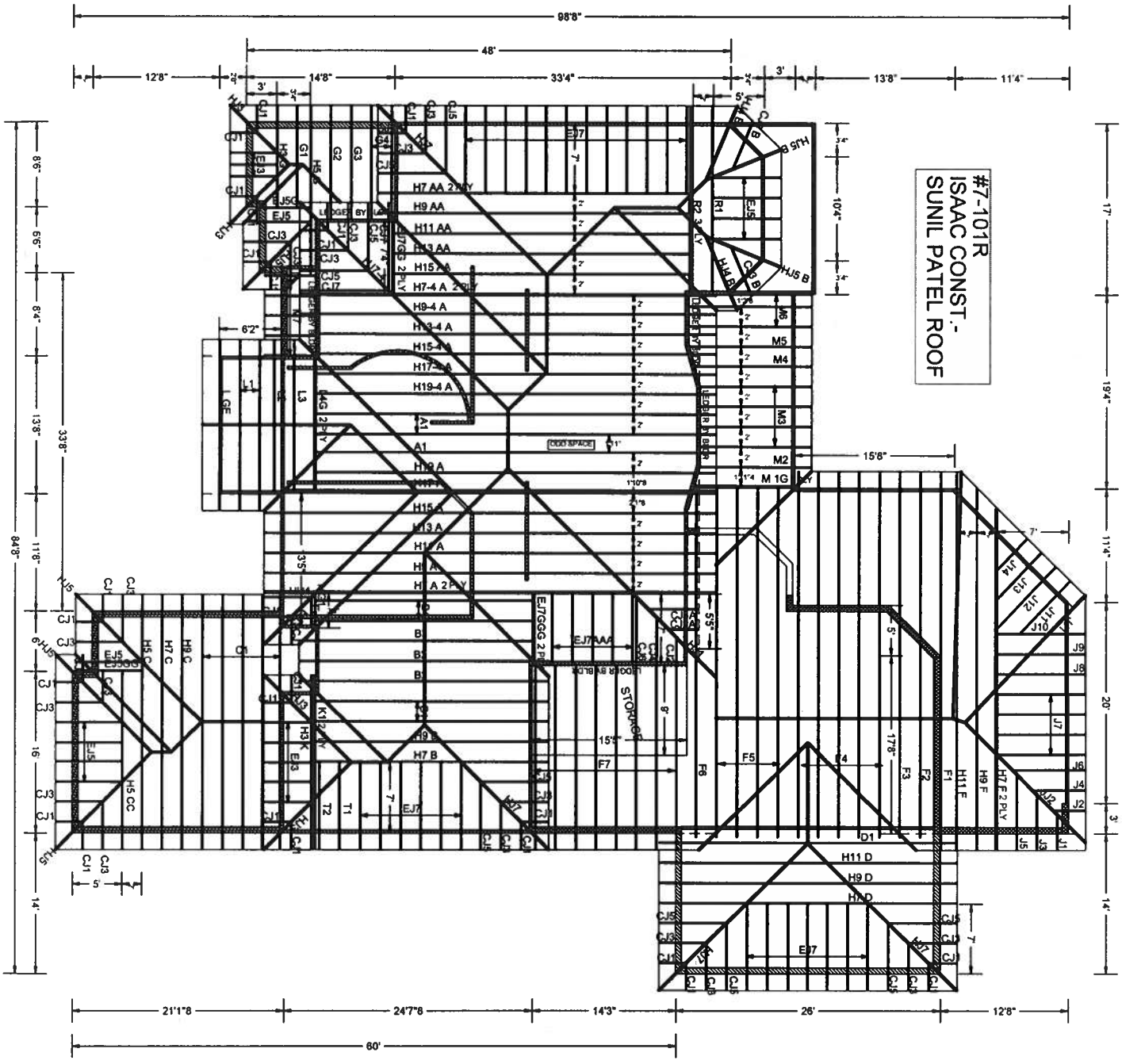
Seal Date: 05/21/2007

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A11030EE-GBLLETIN-CNBRGBLK-

#	Ref Description	Drawing#	Date
1	40035--H9-4 A	07141093	05/21/07
2	40036--H13-4 A	07141094	05/21/07
3	40037--H15-4 A	07141095	05/21/07
4	40038--H17-4 A	07141096	05/21/07
5	40039--H19-4 A	07141106	05/21/07
6	40040--A1	07141098	05/21/07
7	40041--H19 A	07141103	05/21/07
8	40042--H9 AA	07141007	05/21/07
9	40043--H11 AA	07141008	05/21/07
10	40044--H13 AA	07141009	05/21/07
11	40045--H15 AA	07141010	05/21/07
12	40046--H7 AA	07141006	05/21/07
13	40047--H7-4 A	07141097	05/21/07
14	40048--CJ4A	07141019	05/21/07
15	40049--H17 A	07141020	05/21/07
16	40050--H15 A	07141053	05/21/07
17	40051--H13 A	07141061	05/21/07
18	40052--H11 A	07141090	05/21/07
19	40053--H9 A	07141088	05/21/07
20	40055--H9 B	07141075	05/21/07
21	40056--B1	07141077	05/21/07
22	40057--B2	07141105	05/21/07
23	40058--B3	07141078	05/21/07
24	40059--B4	07141102	05/21/07
25	40060--H7 B	07141074	05/21/07
26	40061--H7 C	07141027	05/21/07
27	40062--H9 C	07141038	05/21/07
28	40063--C1	07141048	05/21/07
29	40064--H5 C	07141001	05/21/07
30	40065--H5 CC	07141002	05/21/07
31	40066--H9 D	07141012	05/21/07
32	40067--H11 D	07141021	05/21/07
33	40068--D1	07141022	05/21/07
34	40069--H7 D	07141059	05/21/07
35	40070--H9 F	07141028	05/21/07
36	40071--H11 F	07141029	05/21/07
37	40072--F1	07141030	05/21/07
38	40073--F2	07141047	05/21/07
39	40074--F3	07141037	05/21/07
40	40075--F4	07141039	05/21/07
41	40076--F5	07141043	05/21/07
42	40077--F6	07141045	05/21/07
43	40078--H7 F	07141044	05/21/07
44	40079--F7	07141081	05/21/07
45	40080--G1	07141066	05/21/07
46	40081--G2	07141062	05/21/07
47	40082--G3	07141063	05/21/07
48	40083--G4	07141064	05/21/07
49	40084--H5 G	07141056	05/21/07
50	40085--H3 G	07141065	05/21/07
51	40086--EJ5G	07141067	05/21/07
52	40087--EJ7GGG	07141092	05/21/07
53	40088--EJ7GG	07141004	05/21/07
54	40089--EJ5	07141020	05/21/07
55	40090--HJ5 B	07141014	05/21/07
56	40091--HJ4 B	07141013	05/21/07
57	40092--CJ3 B	07141018	05/21/07
58	40093--EJ7	07141084	05/21/07
59	40094--CJ5	07141082	05/21/07
60	40095--HJ7	07141080	05/21/07
61	40096--HJ7-4	07141001	05/21/07
62	40097--CJ3	07141083	05/21/07
63	40098--CJ1	07141069	05/21/07
64	40099--HJ3	07141068	05/21/07
65	40100--CJ7	07141003	05/21/07
66	40101--EJ3	07141071	05/21/07
67	40102--HJ5	07141070	05/21/07
68	40103--EJ5GG	07141101	05/21/07
69	40104--CJ2	07141017	05/21/07
70	40105--CJ4	07141016	05/21/07
71	40106--CJ6	07141015	05/21/07
72	40107--CJ2A	07141011	05/21/07
73	40108--EJ7AAA	07141079	05/21/07
74	40109--T1	07141086	05/21/07
75	40110--T2	07141085	05/21/07
76	40111--J7	07141042	05/21/07
77	40112--J8	07141040	05/21/07
78	40113--J9	07141041	05/21/07
79	40114--JJ1	07141002	05/21/07
80	40115--J10	07141046	05/21/07
81	40116--J11	07141049	05/21/07
82	40117--J12	07141050	05/21/07
83	40118--J13	07141051	05/21/07
84	40119--J14	07141052	05/21/07
85	40120--J5	07141032	05/21/07
86	40121--JJ2	07141031	05/21/07
87	40122--J3	07141033	05/21/07
88	40123--J1	07141034	05/21/07
89	40124--J2	07141026	05/21/07
90	40125--J4	07141036	05/21/07
91	40126--J6	07141035	05/21/07
92	40127--EJ3A	07141104	05/21/07
93	40128--HJ1	07141099	05/21/07
94	40129--K1	07141073	05/21/07
95	40130--H3 K	07141072	05/21/07
96	40131--L1	07141087	05/21/07
97	40132--L2	07141089	05/21/07
98	40133--L GE	07141076	05/21/07
99	40134--L3	07141023	05/21/07
100	40135--L4G	07141003	05/21/07
101	40136--M 1G	07141025	05/21/07
102	40137--M2	07141055	05/21/07
103	40138--M3	07141060	05/21/07
104	40139--M4	07141057	05/21/07
105	40140--M5	07141054	05/21/07
106	40141--M6	07141058	05/21/07
107	40142--M7	07141091	05/21/07
108	40143--HH1	07141024	05/21/07
109	40144--MG1	07141100	05/21/07
110	40145--R2	07141005	05/21/07
111	40146--R1	07141107	05/21/07

Columbia County Building Department — State of Florida — Plans Reviewed for Code Compliance



JOB DESCRIPTION:: Isaac Construction
/: SUNIL PATEL RES.

JOB NO: 7-101R

PAGE NO: 1 OF 1

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

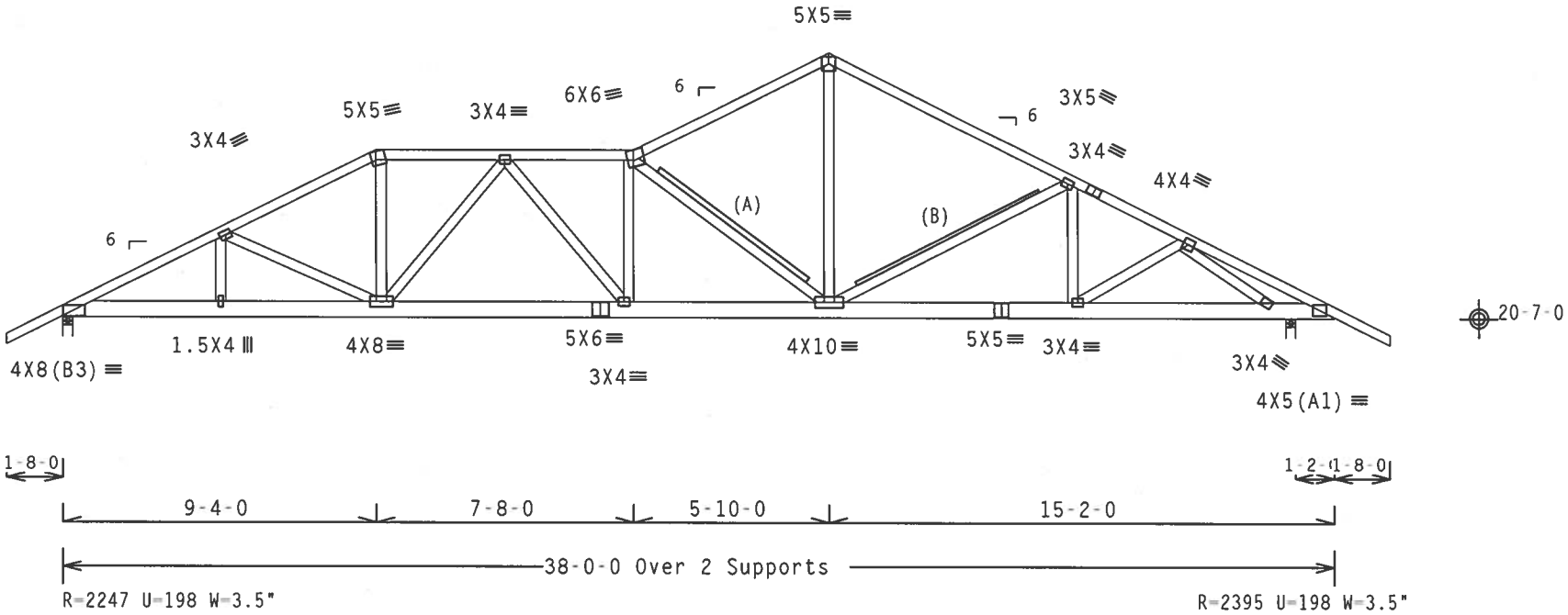
(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

110 mph wind, 24.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(B) 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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

IMPORTANT FURNISH 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.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 2[illegible] 07

TC LL	30.0 PSF	REF R8228- 40035
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141093
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24792
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

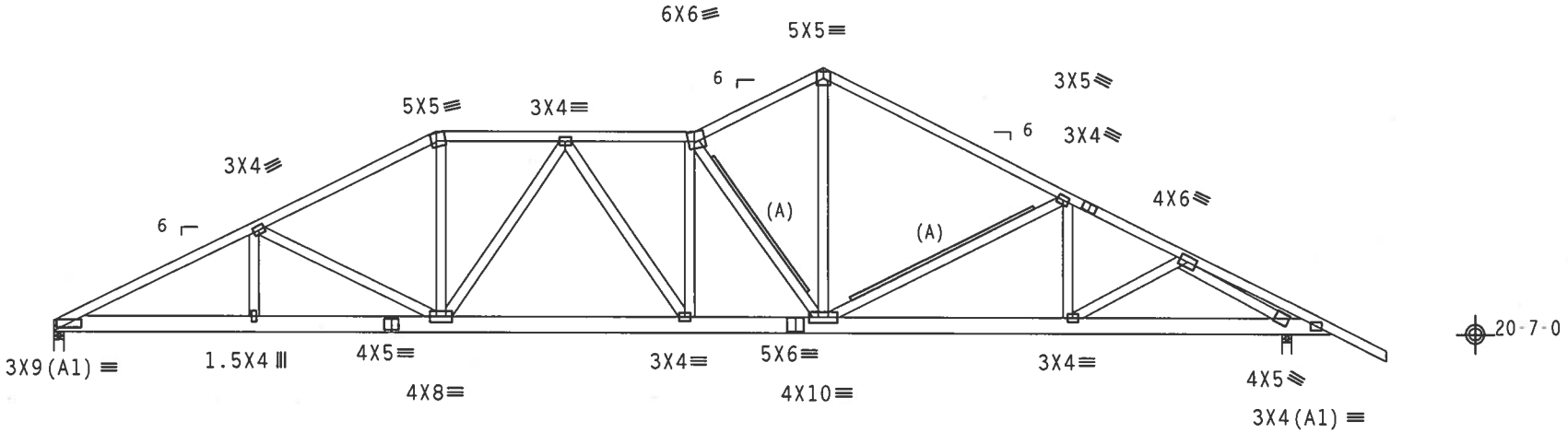
Wind reactions based on MWFRS pressures.

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

110 mph wind, 24.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

ALPINE

ITW Building Components Group, Inc.
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FL Certificate of Authorization # 567

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TC LL	30.0 PSF	REF	R8228- 40036
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141094
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24796
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - H15-4 A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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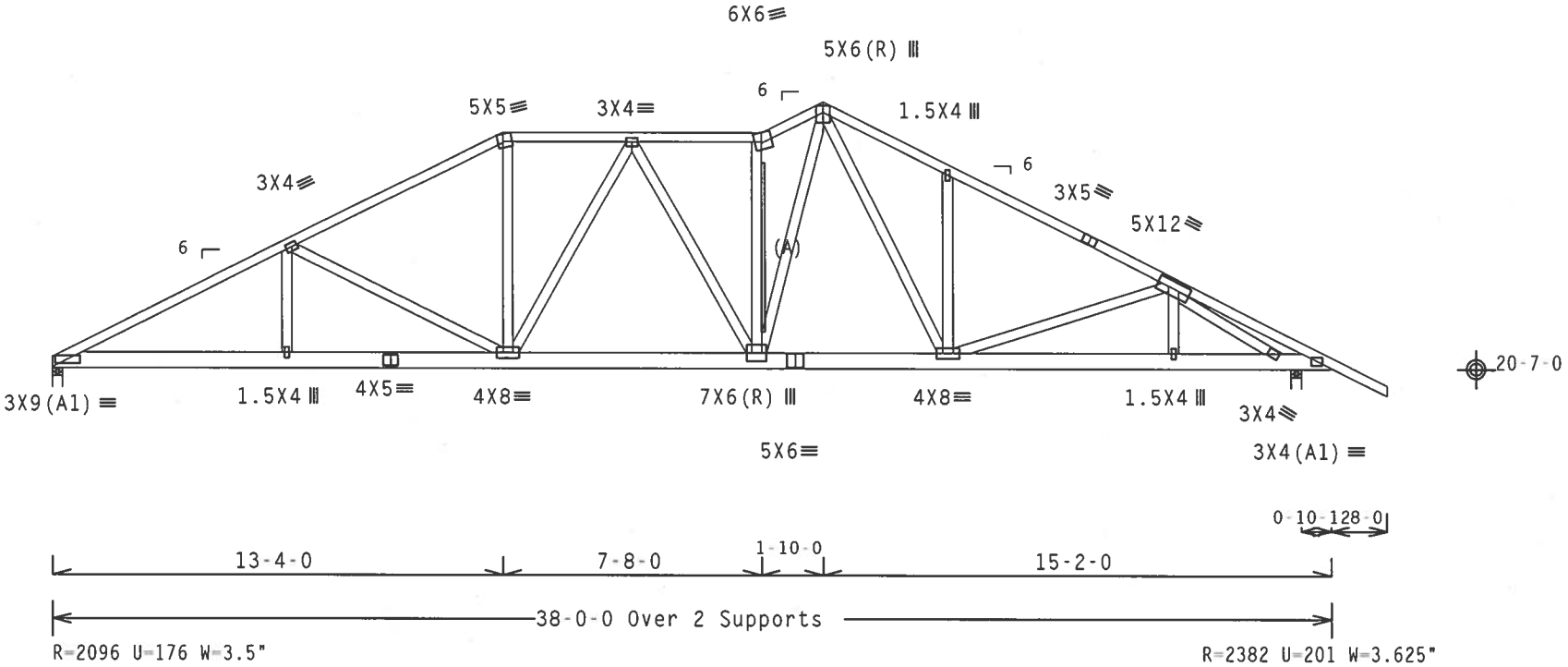

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
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Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40037
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141095
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24807
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

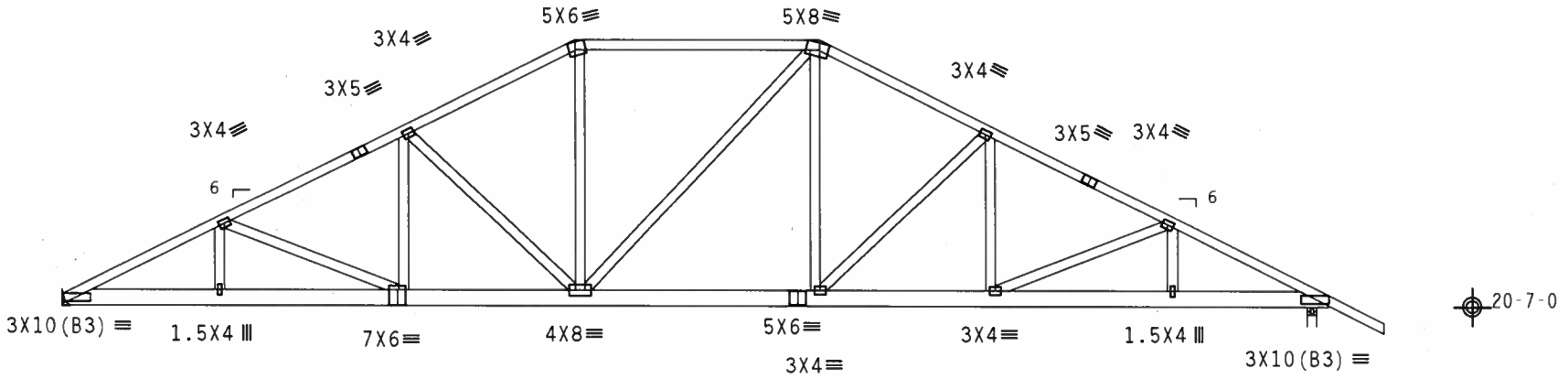
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

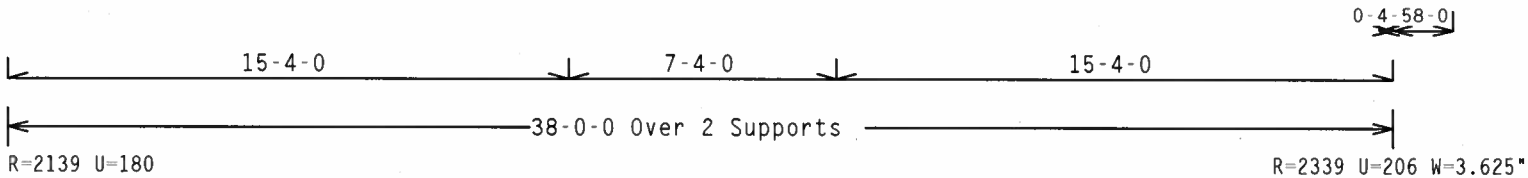
Wind reactions based on MWFRS pressures.

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

110 mph wind, 24.35 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

IMPORTANT FURNISH 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 TPI1; 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.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40038
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141096
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24813
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

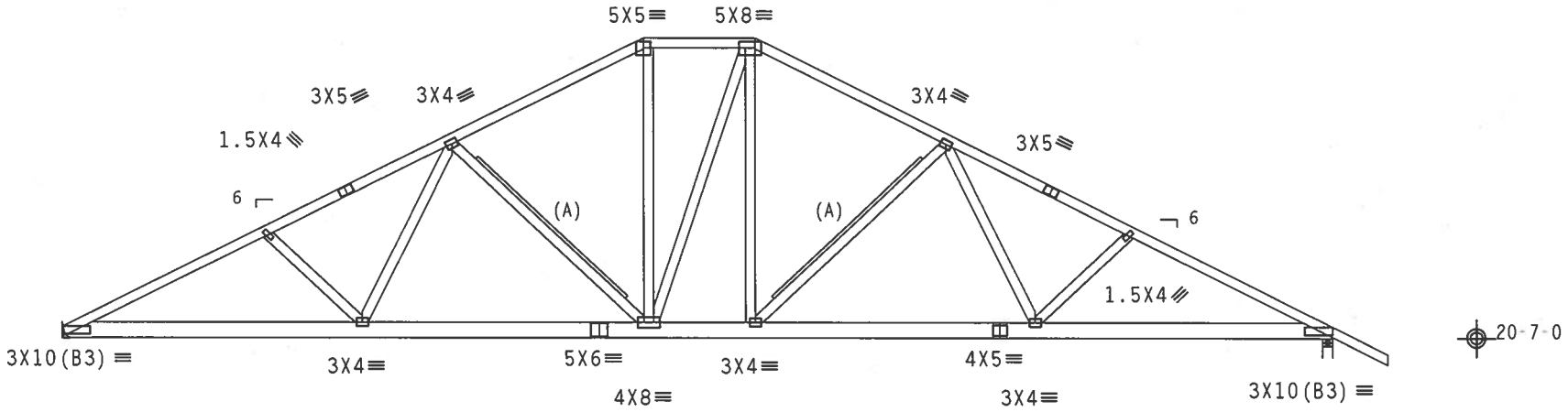
Wind reactions based on MWFRS pressures.

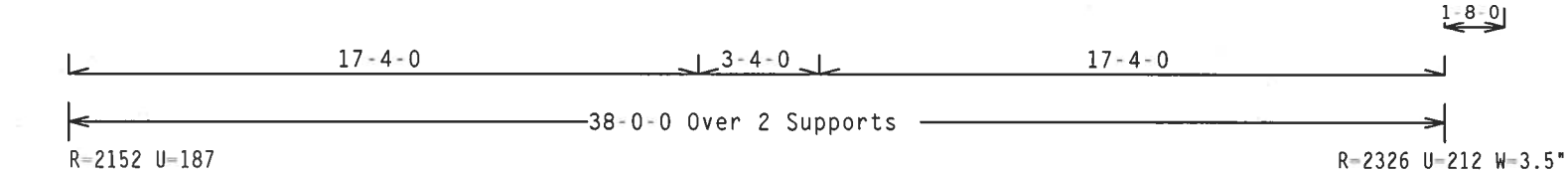
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 24.85 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(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.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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May 21 '07

TC LL	30.0 PSF	REF	R8228- 40039
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141106
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24820
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

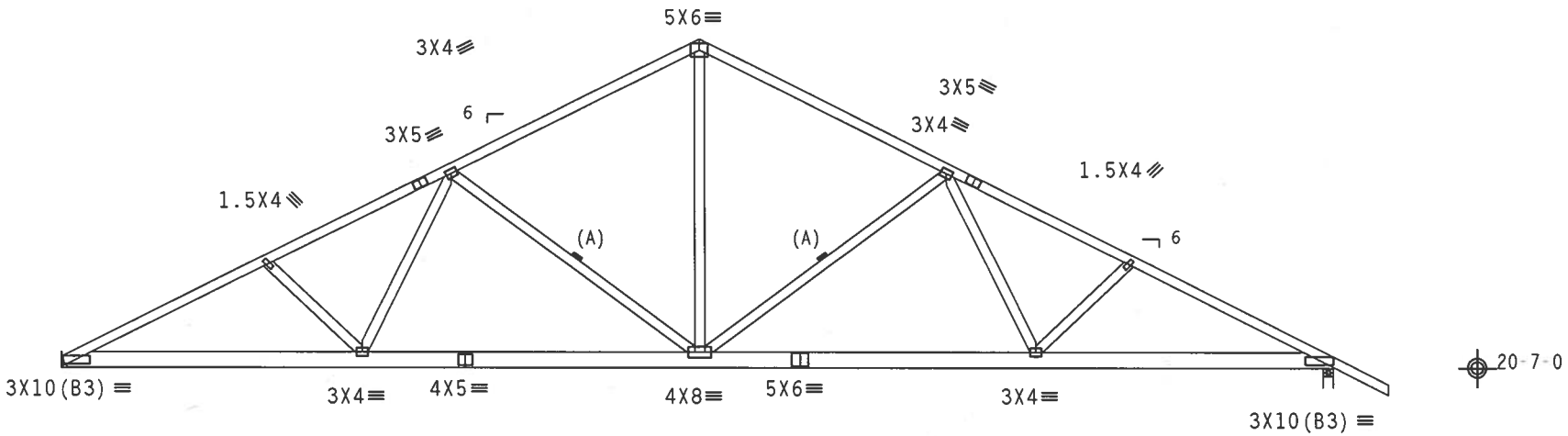
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

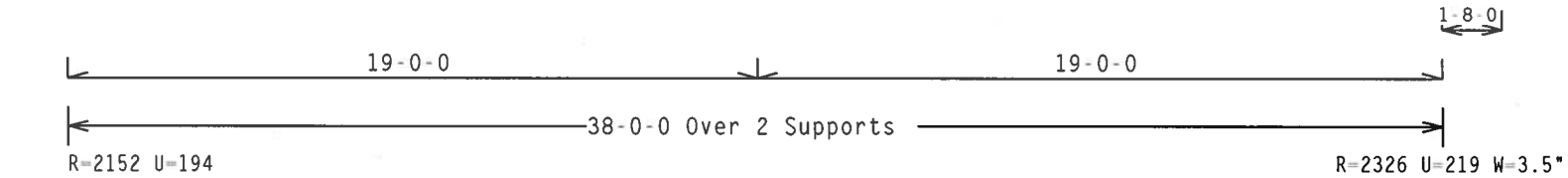
Wind reactions based on MWFRS pressures.

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

110 mph wind, 25.26 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40040
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141098
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24829
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES.   , **   H19 A)

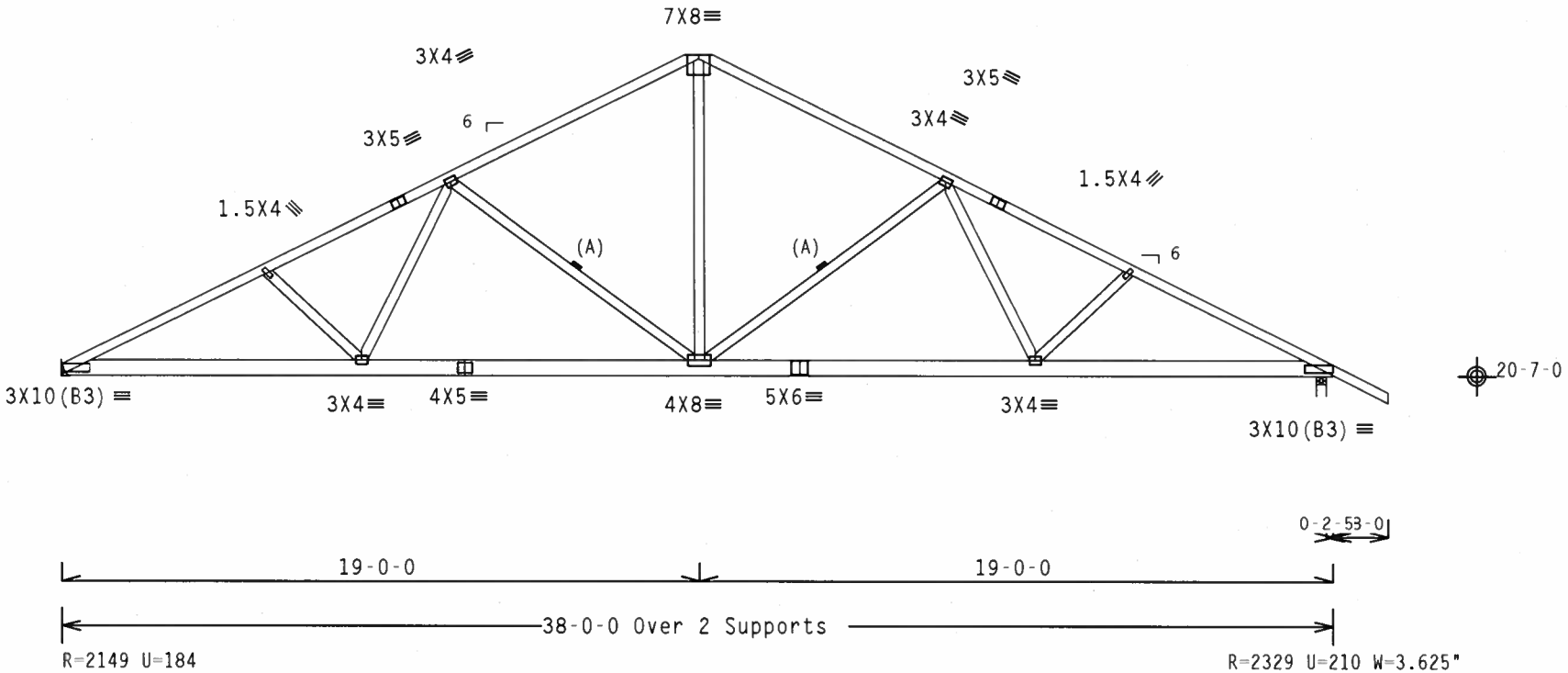
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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.

110 mph wind, 25.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40041
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141103
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24837
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H9 AA)

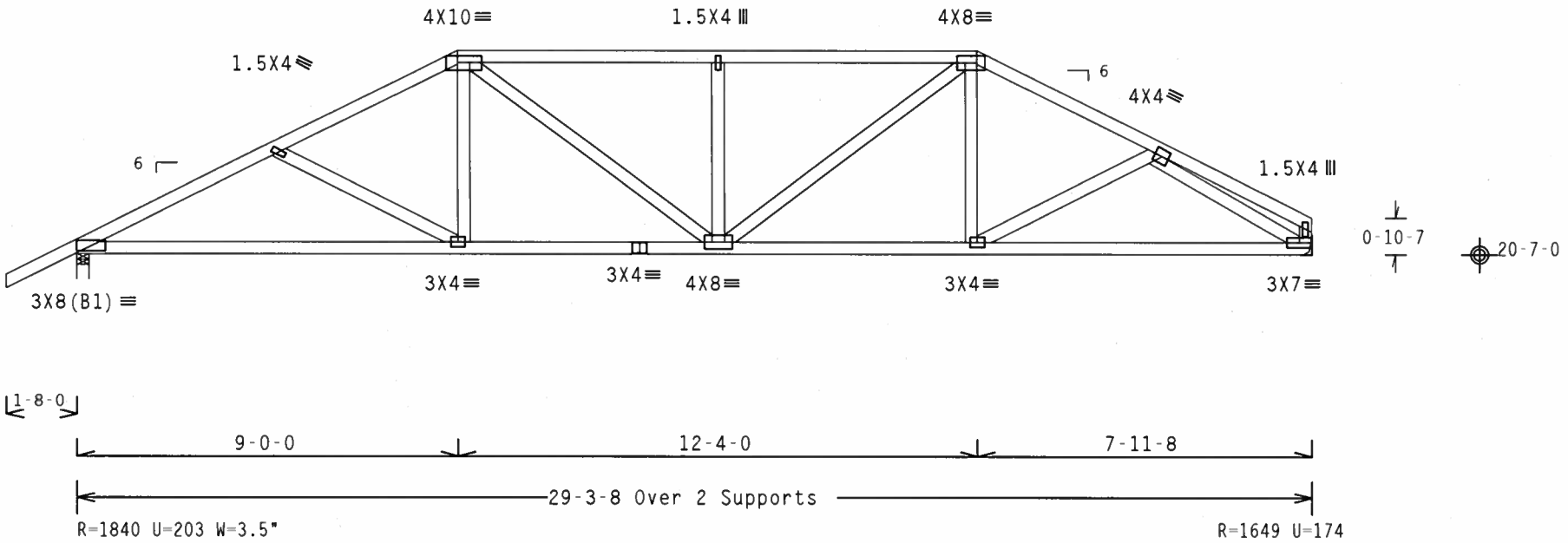
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 22.76 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40042
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141007
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24889
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H11 AA)

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

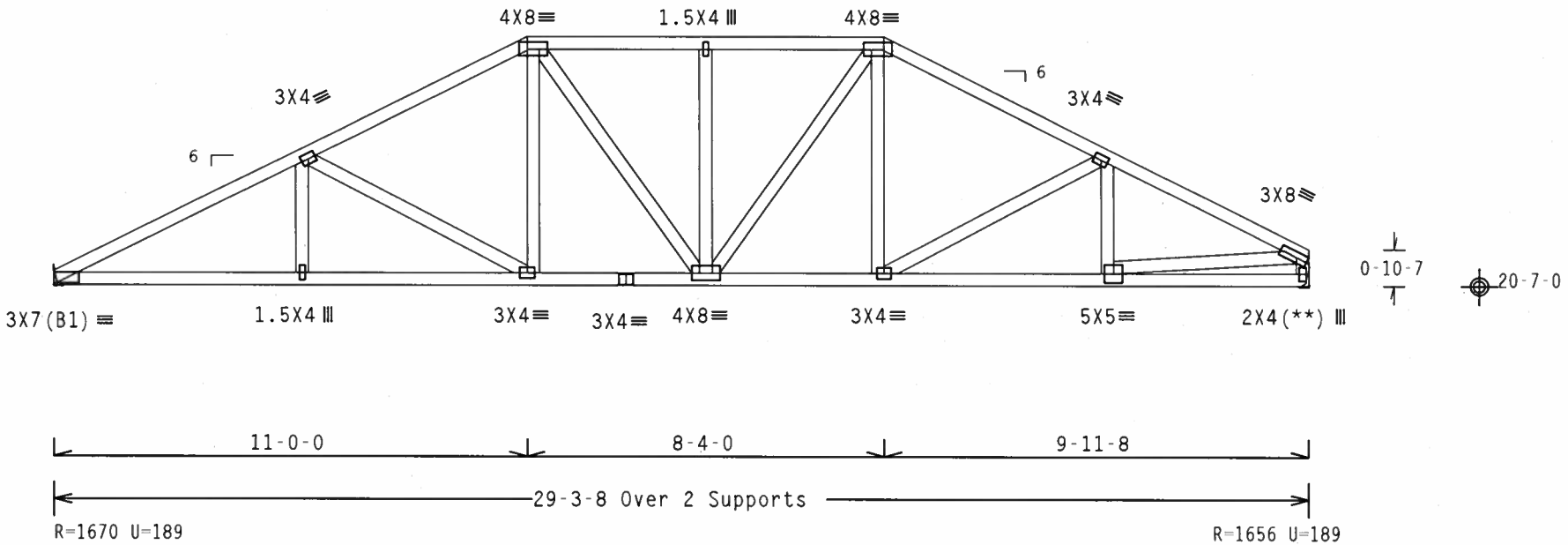
Wind reactions based on MWFRS pressures.

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

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

110 mph wind, 23.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ALPINE
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ARTHUR R. FISHER LICENSE No. 52687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21,07

TC LL	30.0 PSF	REF	R8228- 40043
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141008
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24910
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - H13 AA)

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

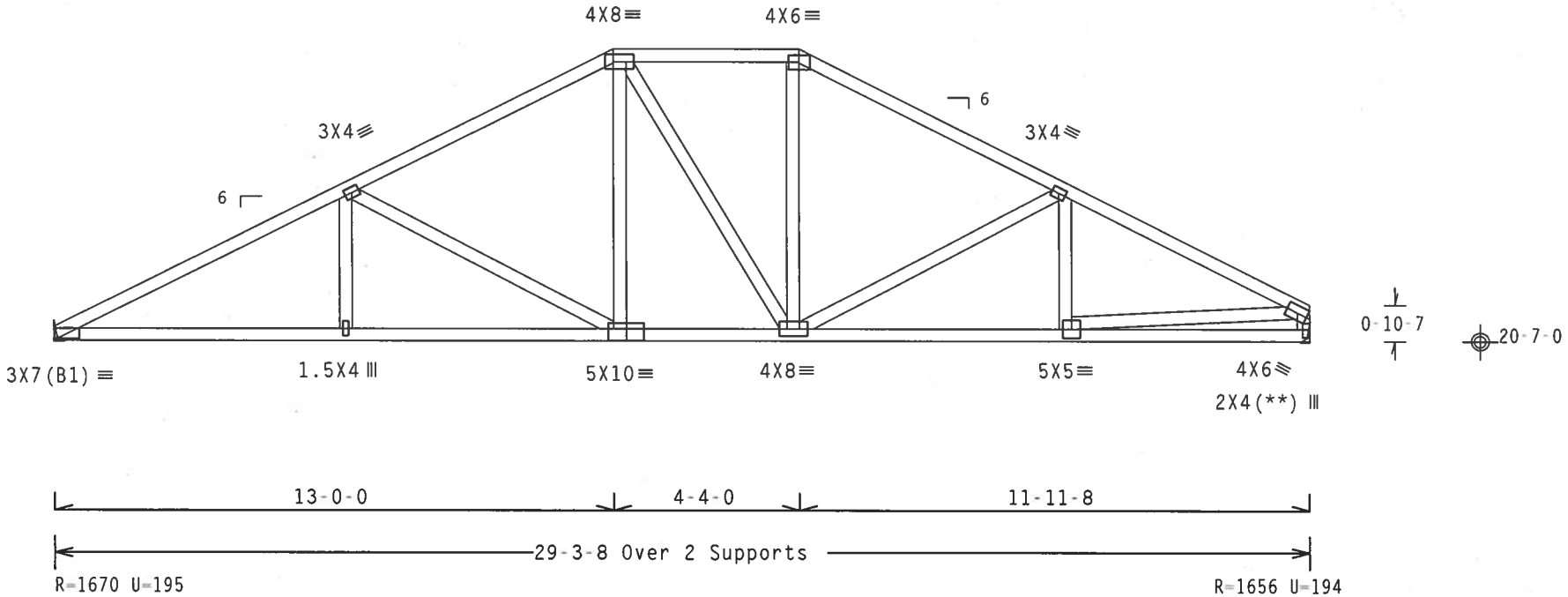
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 24.18 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40044
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141009
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24920
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

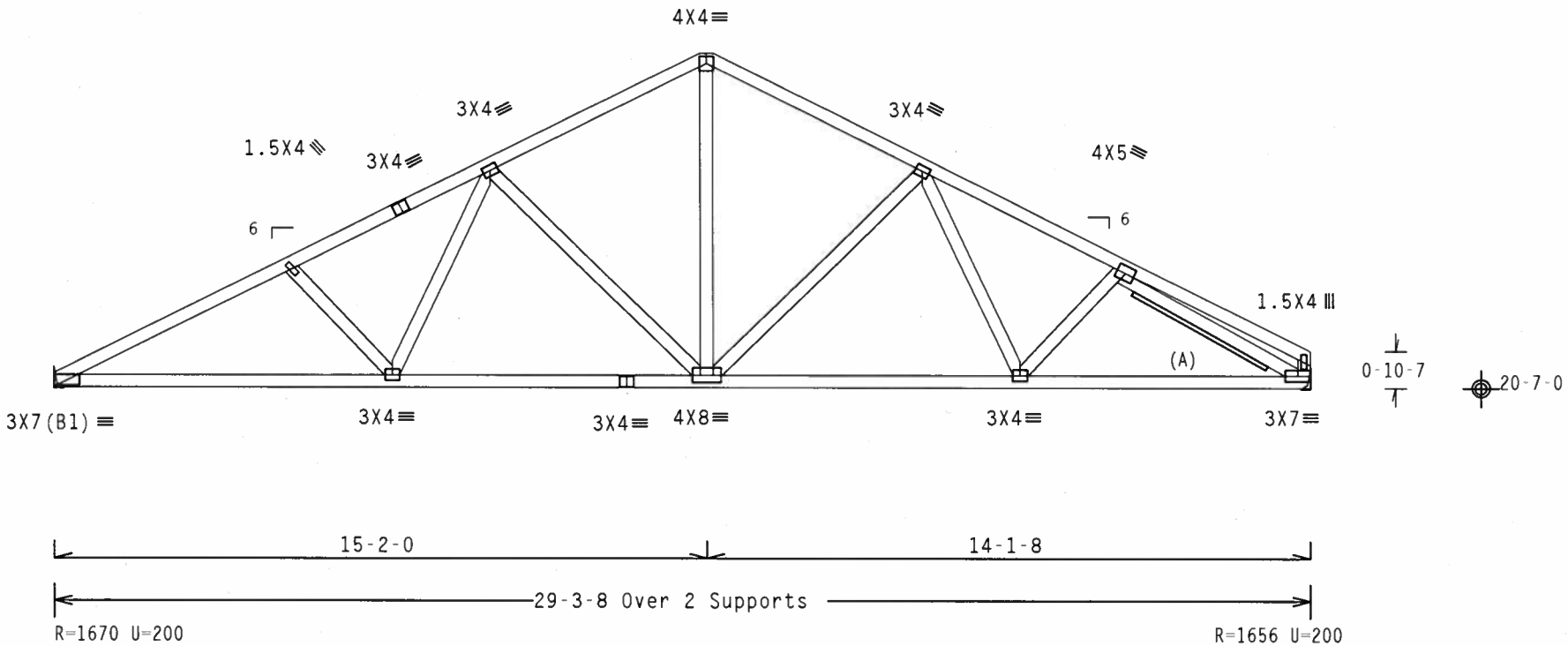
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 24.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(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.

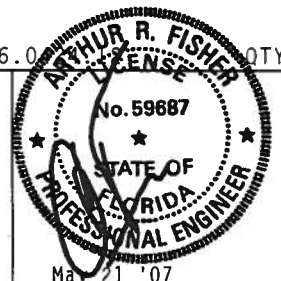


Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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.



TC LL	30.0 PSF	REF	R8228- 40045
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141010
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24935
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

110 mph wind, 22.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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.

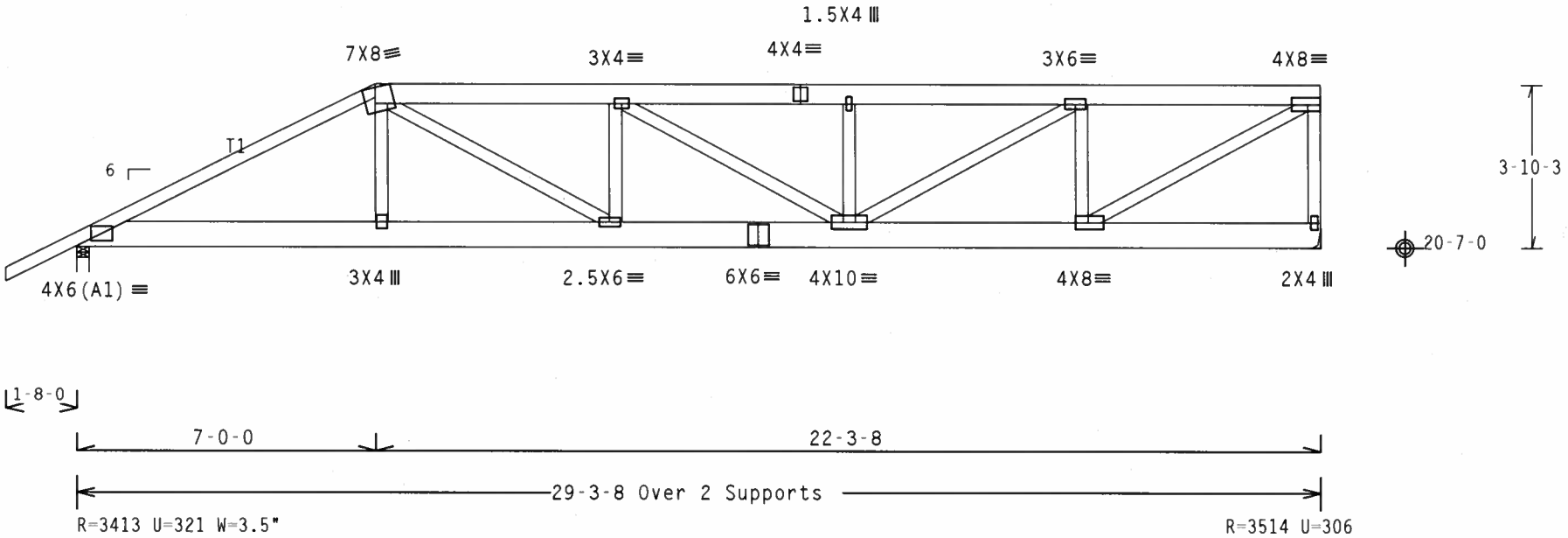
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
Florida Certificate of Authorization # 562

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40046
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141006
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24976
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H7 4 A)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	94 PLF	at	-1.67	to	94 PLF	at 7.33
TC - From	94 PLF	at	7.33	to	94 PLF	at 15.00
TC - From	94 PLF	at	15.00	to	94 PLF	at 22.83
TC - From	94 PLF	at	22.83	to	94 PLF	at 39.67
BC - From	4 PLF	at	-1.67	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 38.00
BC - From	4 PLF	at	38.00	to	4 PLF	at 39.67

TC - 361 LB Conc. Load at 7.54
BC - 1043 LB Conc. Load at 7.33
BC - 2673 LB Conc. Load at 7.54

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

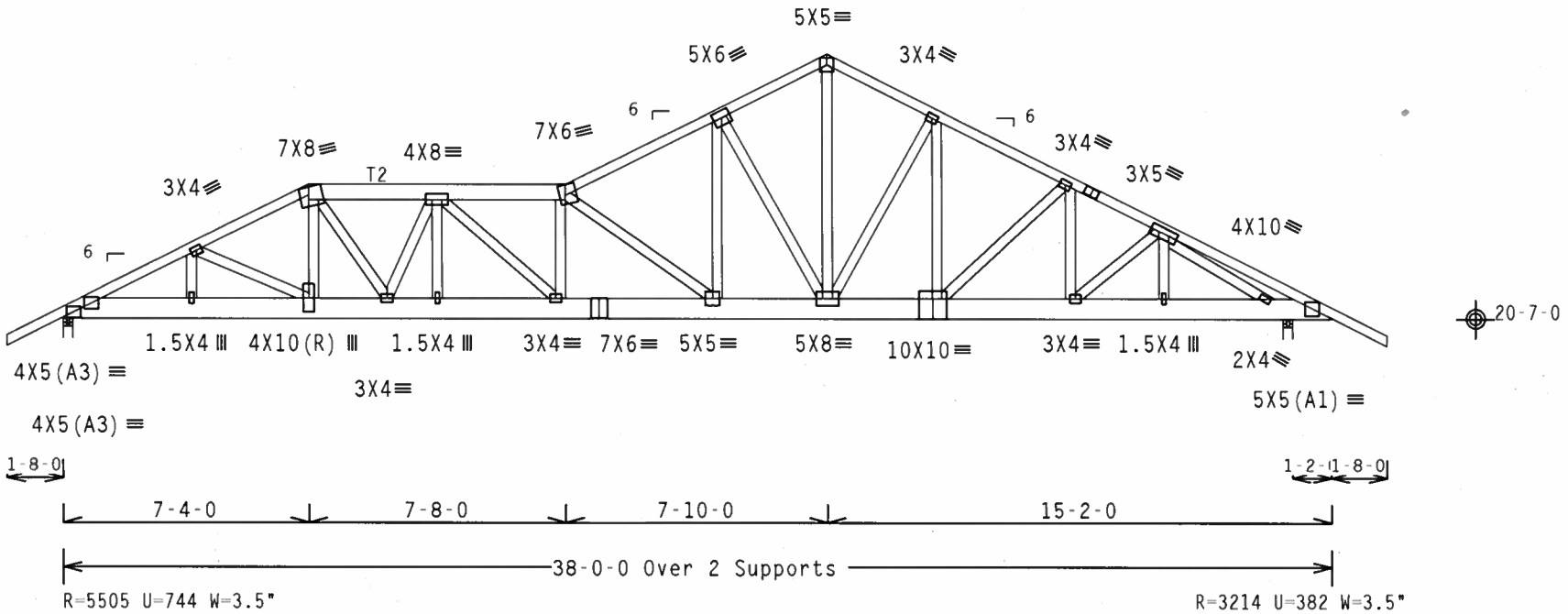
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 24.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.31.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May '07

TC LL	30.0 PSF	REF	R8228- 40047
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141097
BC LL	0.0 PSF	HC-ENG	RA/AF
TOT.LD.	55.0 PSF	SEQN-	6324 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

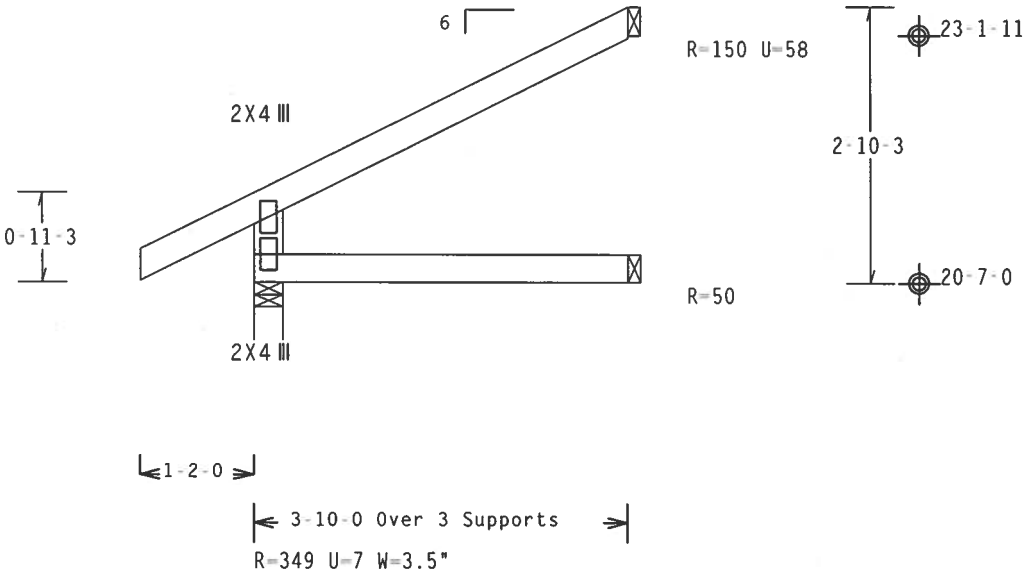
(7-101R--Isaac Construction SUNIL PATEL RES. -- . ** - CJ4A)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 22.18 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.04 [illegible] TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of [illegible]zation # 562

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40048
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141019
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25035
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H17 A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B1 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W1 2x8 SP #1 Dense:
:Lt Wedge 2x4 SP #3:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at 0.00 to 94 PLF at 13.42
TC - From 94 PLF at 13.42 to 94 PLF at 16.92
TC - From 94 PLF at 16.92 to 94 PLF at 20.08
TC - From 94 PLF at 20.08 to 94 PLF at 24.92
TC - From 94 PLF at 24.92 to 94 PLF at 43.17
BC - From 20 PLF at 0.00 to 20 PLF at 41.50
BC - From 4 PLF at 41.50 to 4 PLF at 43.17
BC - 732 LB Conc. Load at 1.31
BC - 7432 LB Conc. Load at 3.38

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

+ 20-(0.135"X3.50")16d BOX NAILS OPPOSITE HANGER AFTER THE THIRD PLY IS ATTACHED.

3 COMPLETE TRUSSES REQUIRED

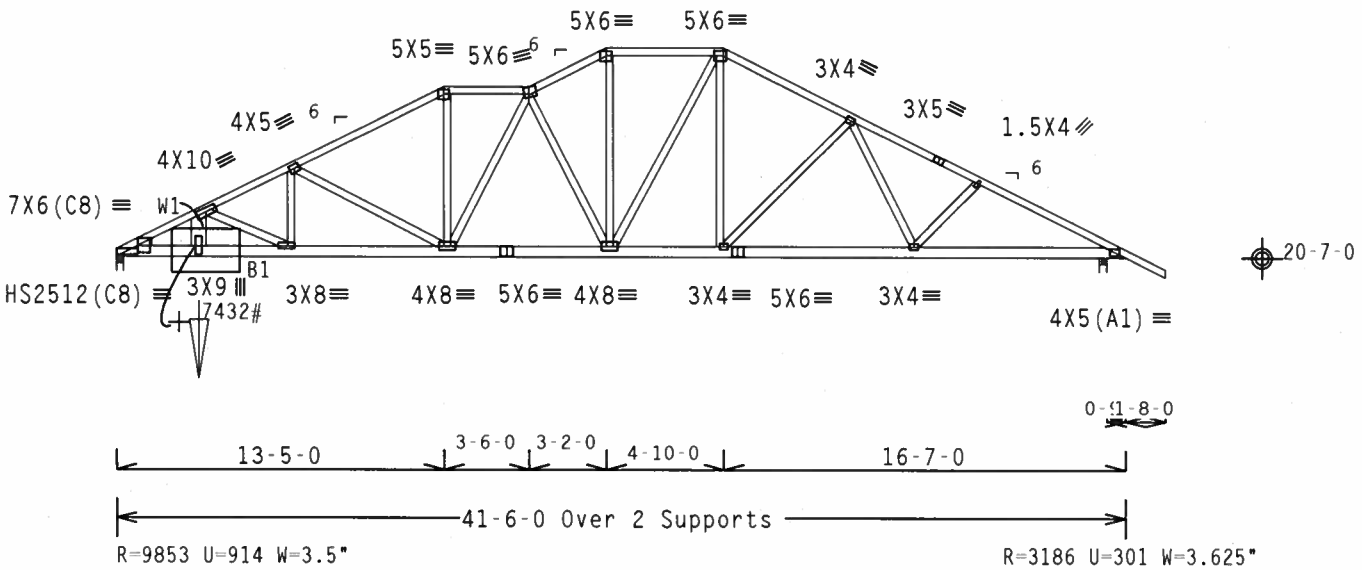
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 9.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 24.66 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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.

** The maximum concentrated load is 7432# **



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40049
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141020
BC LL	0.0 PSF	HC-ENG RA/AF
TOT.LD.	55.0 PSF	SEQN- 25767
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

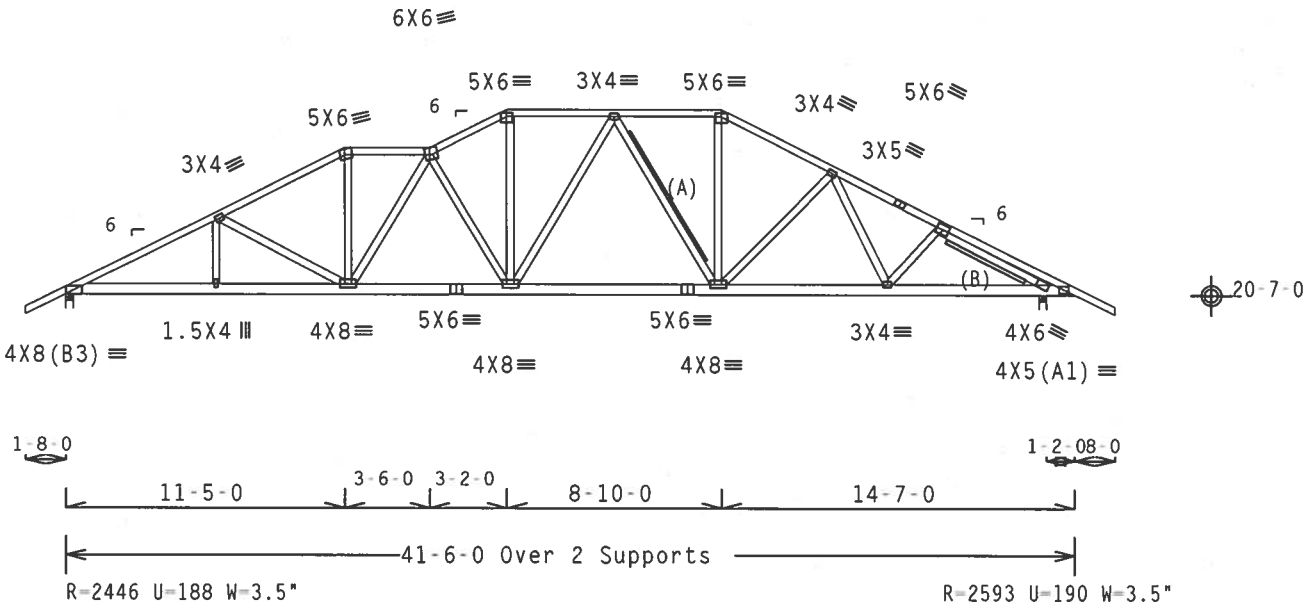
(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

110 mph wind, 24.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40050
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141053
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25317
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

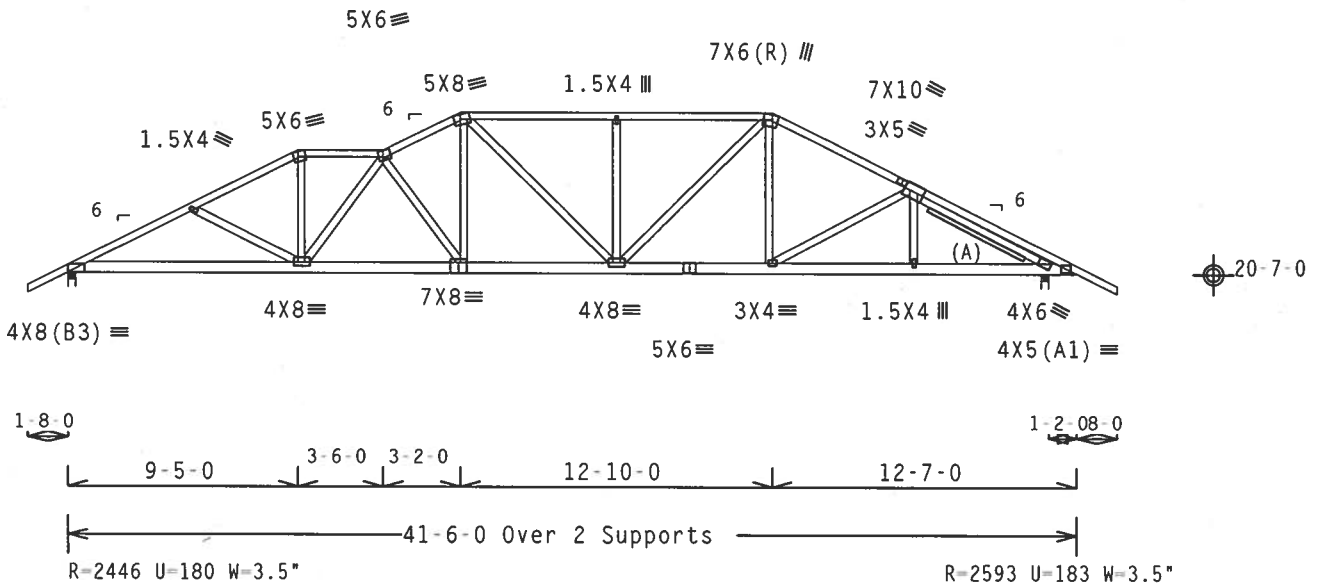
Wind reactions based on MWFRS pressures.

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

110 mph wind, 23.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40051
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141061
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25325
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H11 A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

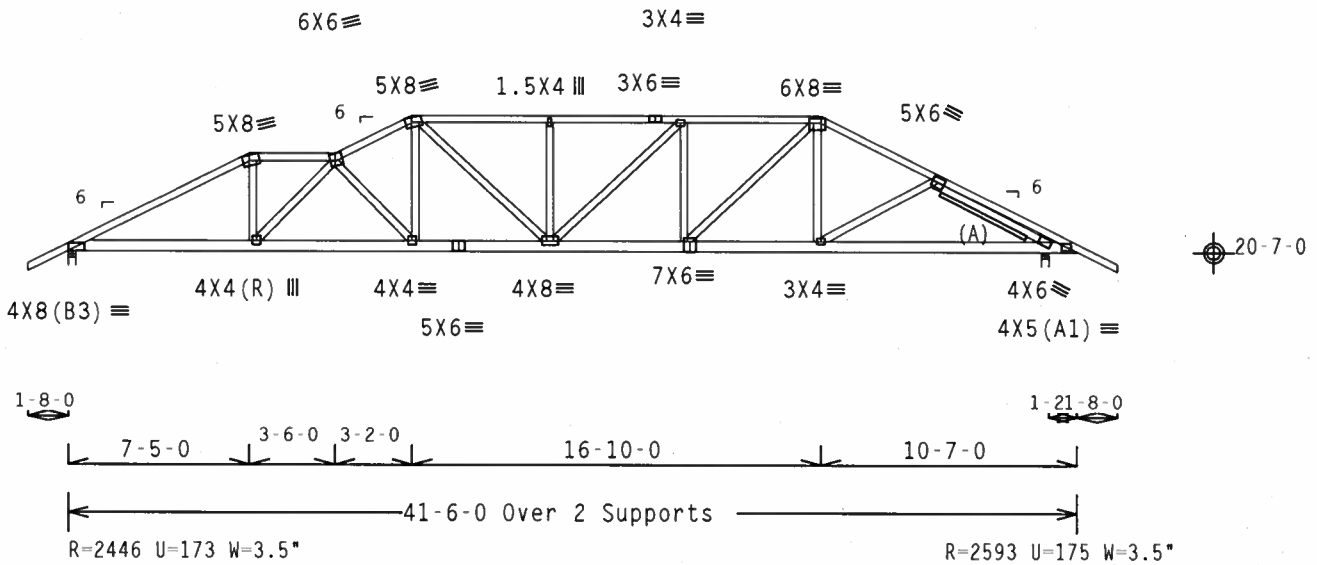
Wind reactions based on MWFRS pressures.

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

110 mph wind, 23.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40052
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141090
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25334
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H9 A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

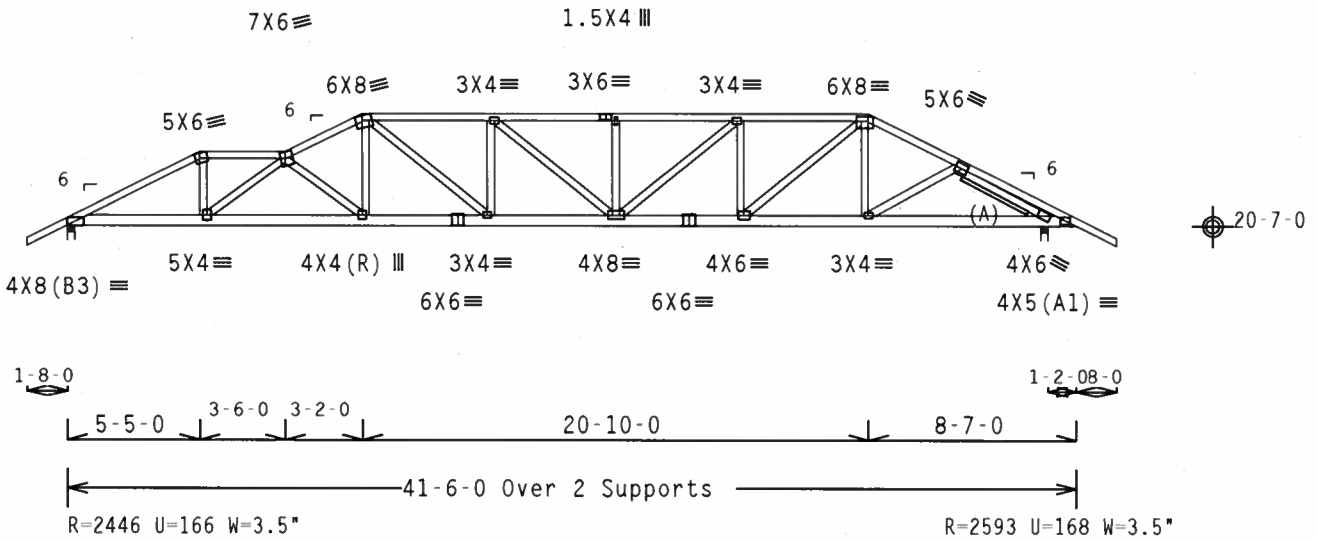
Wind reactions based on MWFRS pressures.

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

110 mph wind, 22.66 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #-567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40053
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141088
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25341
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

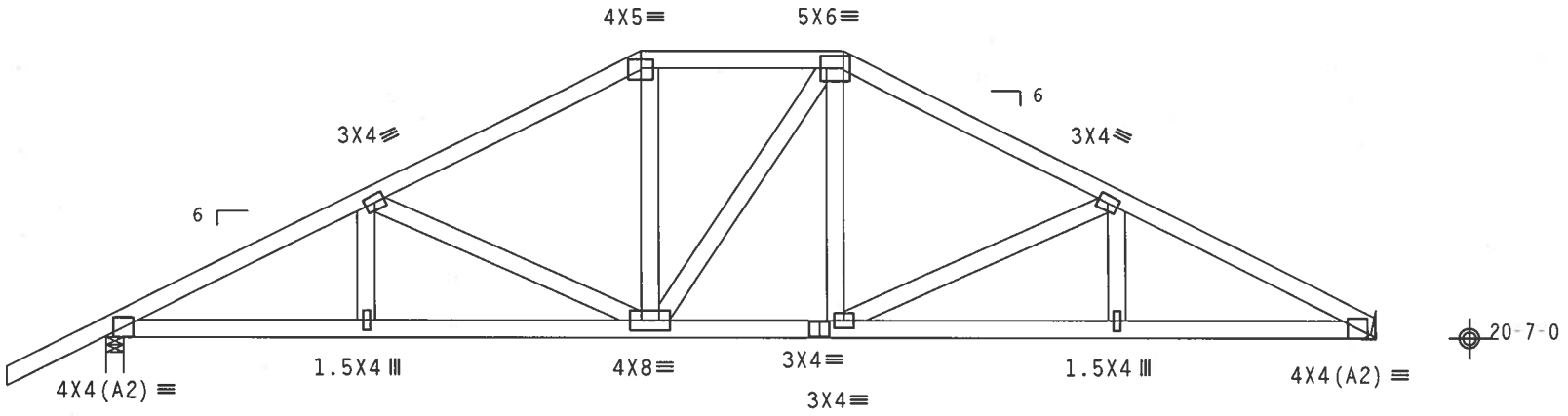
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

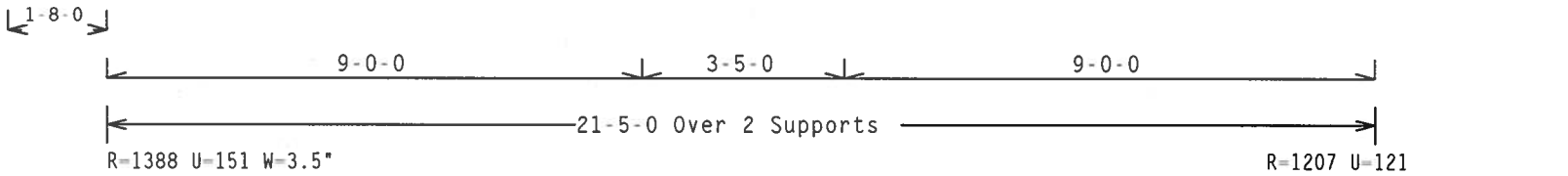
Wind reactions based on MWFRS pressures.

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

110 mph wind, 22.76 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40055
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141075
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24726
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** B1)

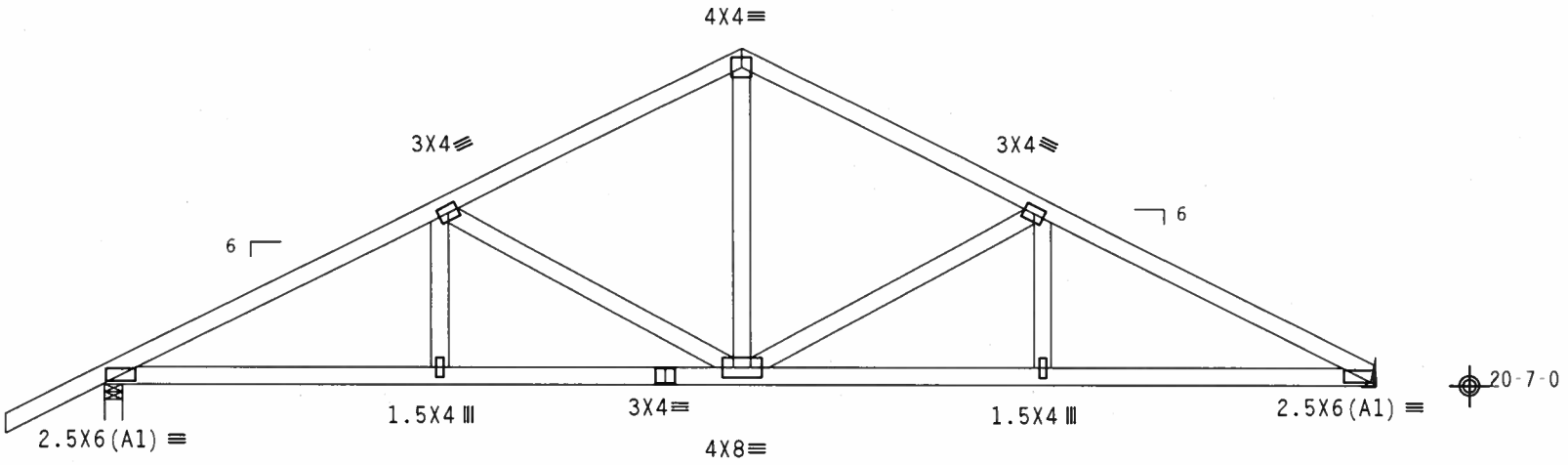
THIS JOB PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

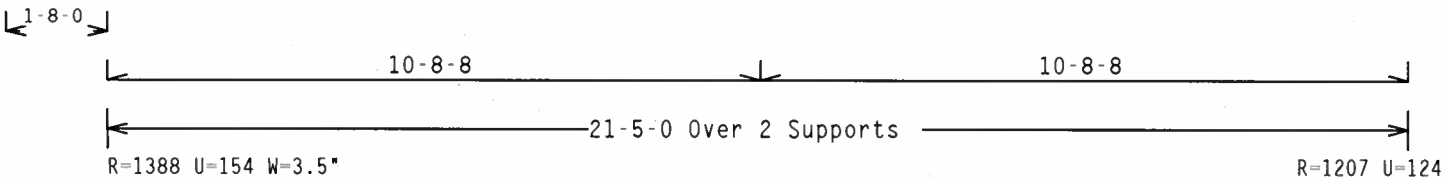
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 23.19 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

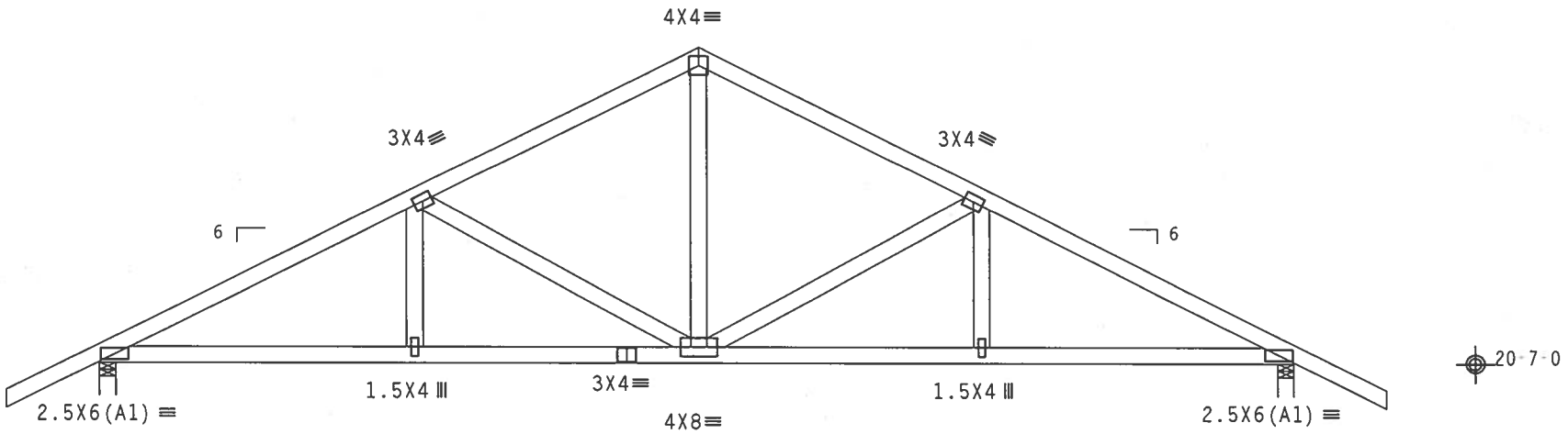
TC LL	30.0 PSF	REF R8228- 40056
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141077
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24744
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

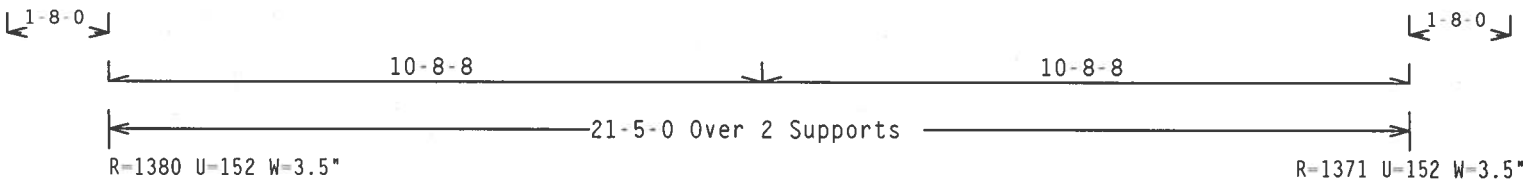
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 23.19 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

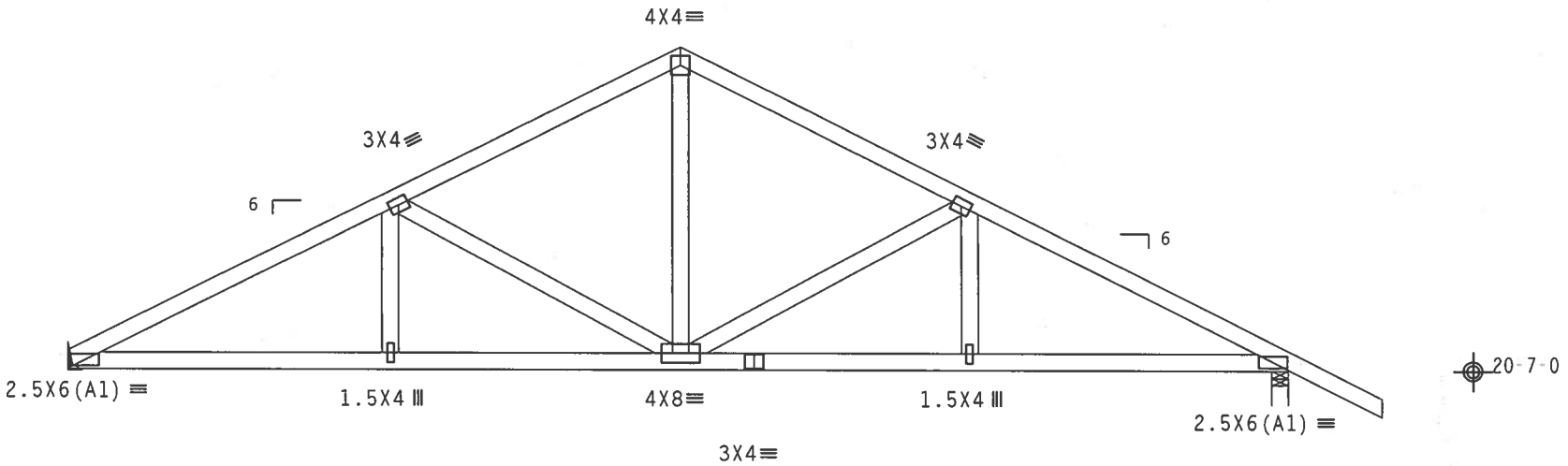
TC LL	30.0 PSF	REF R8228- 40057
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141105
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24763
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

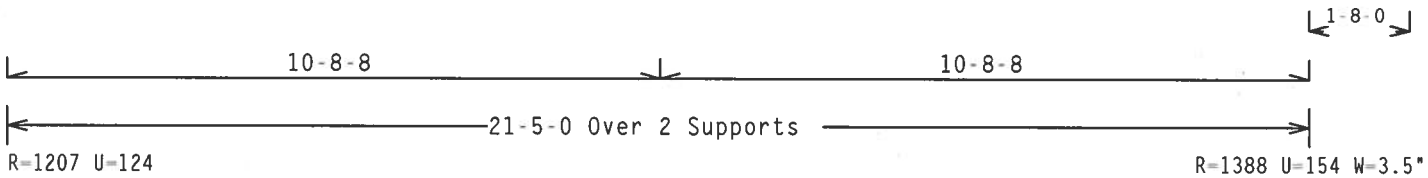
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 23.19 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
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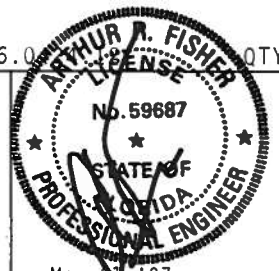


May 21 '07

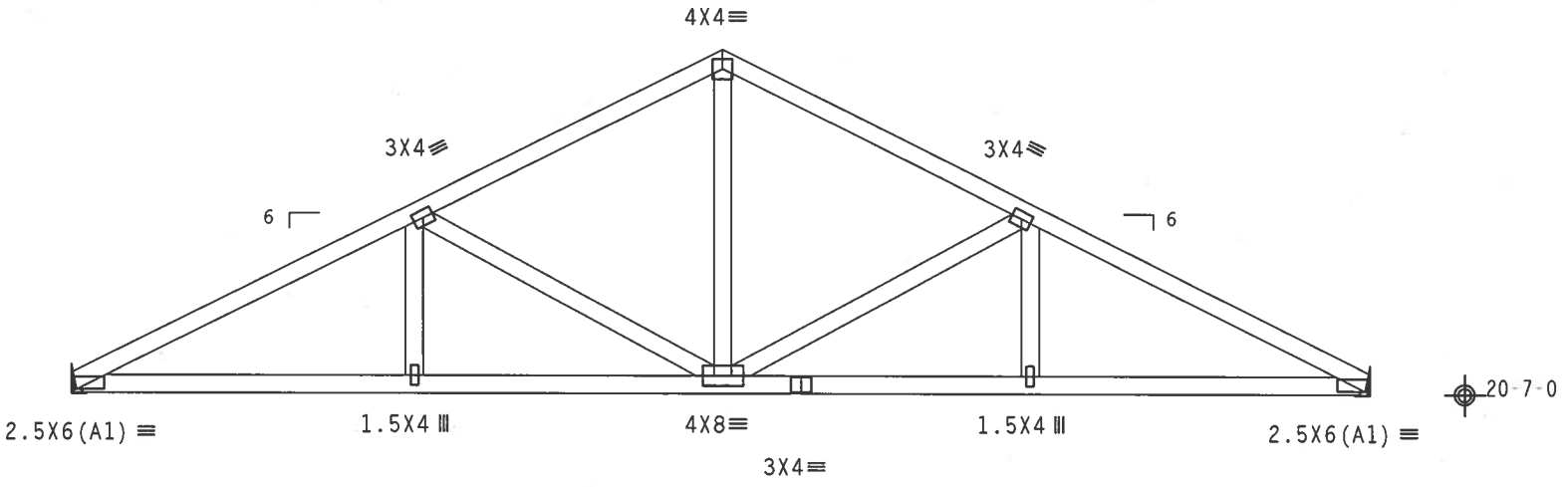
TC LL	30.0 PSF	REF	R8228- 40058
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141078
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24767
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 23.61 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.04 [illegible]Y:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40059
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141102
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24777
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H7 B)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

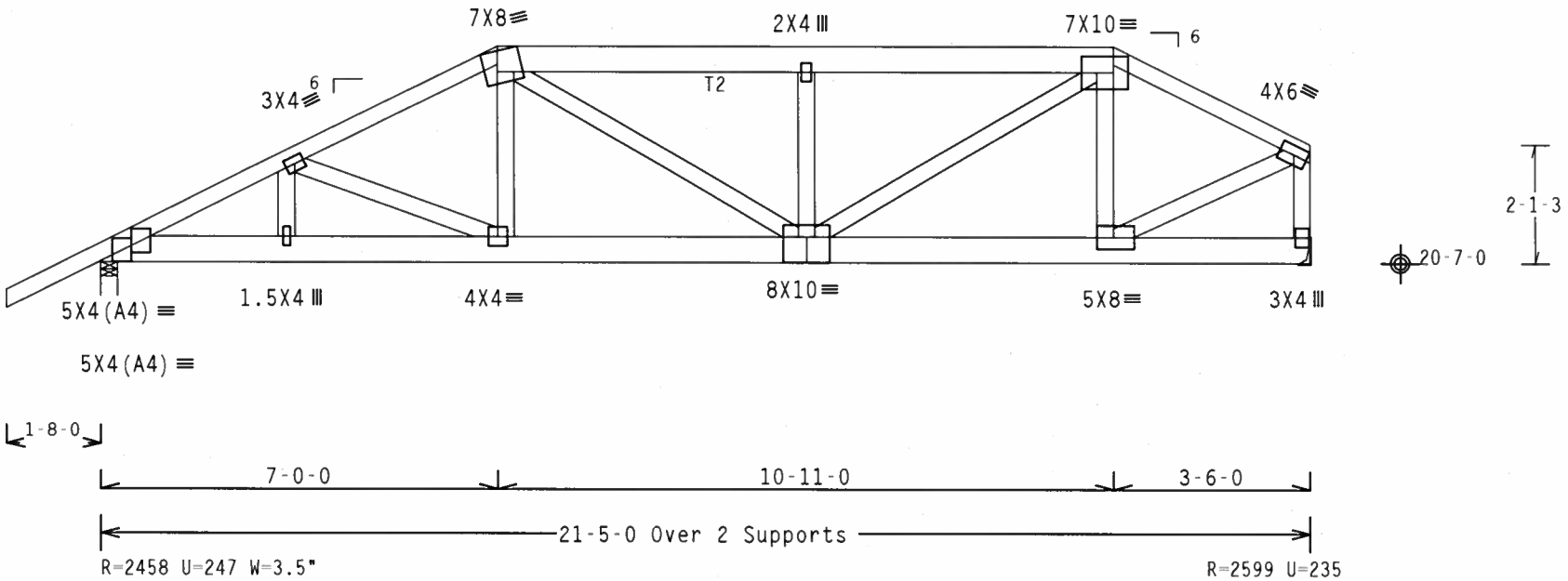
Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-8-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-8-0 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

110 mph wind, 22.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.

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. Wave Cq/RT=1.00(1.25)/10(0) 7.31.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

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

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TC LL	30.0 PSF	REF R8228- 40060
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141074
BC LL	0.0 PSF	HC-ENG RA/AF
TOT.LD.	55.0 PSF	SEQN- 6328 REV
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

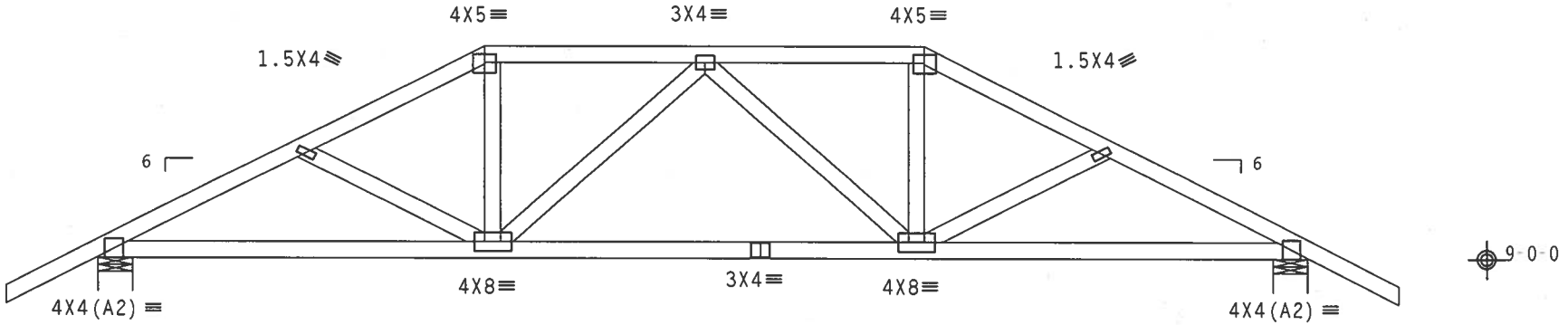
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

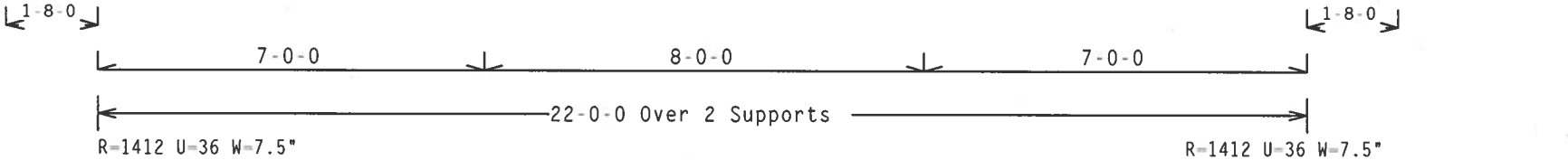
Wind reactions based on MWFRS pressures.

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

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R FISHER LICENSE No. 58687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40061
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141027
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24534
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - H9 C)

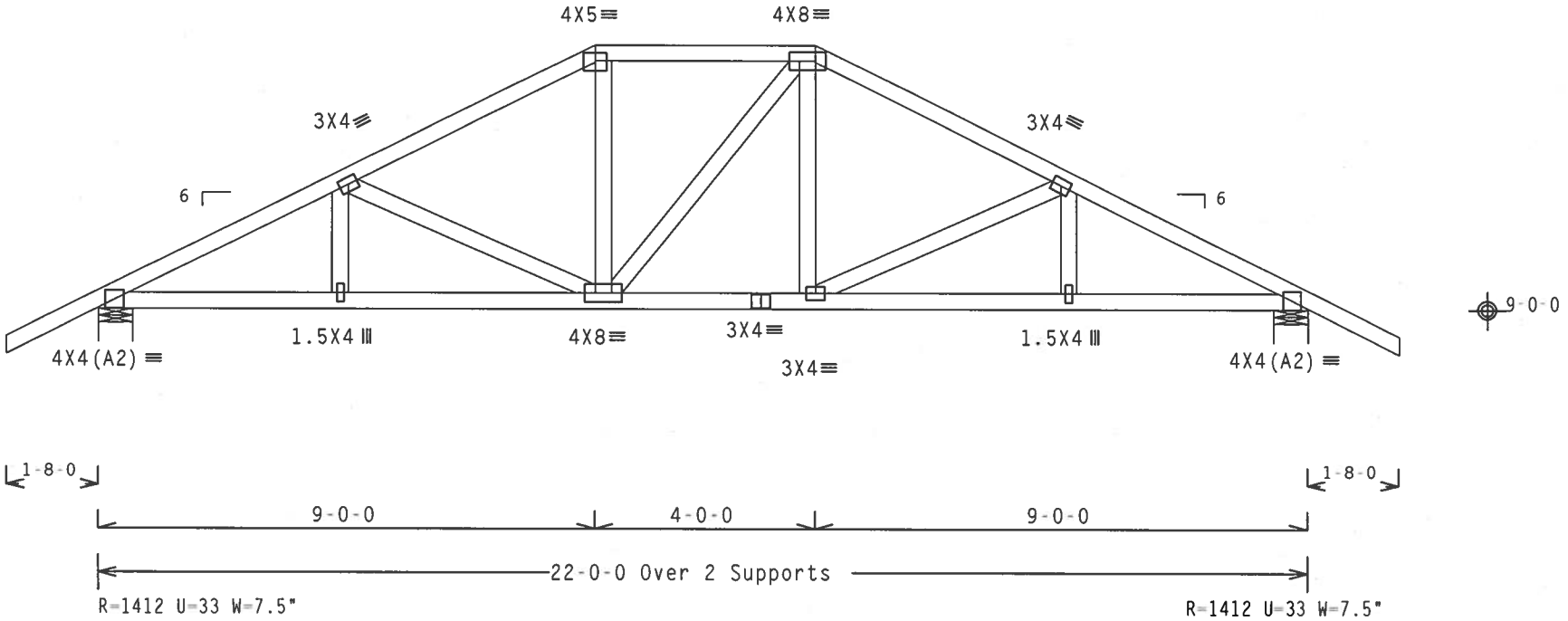
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

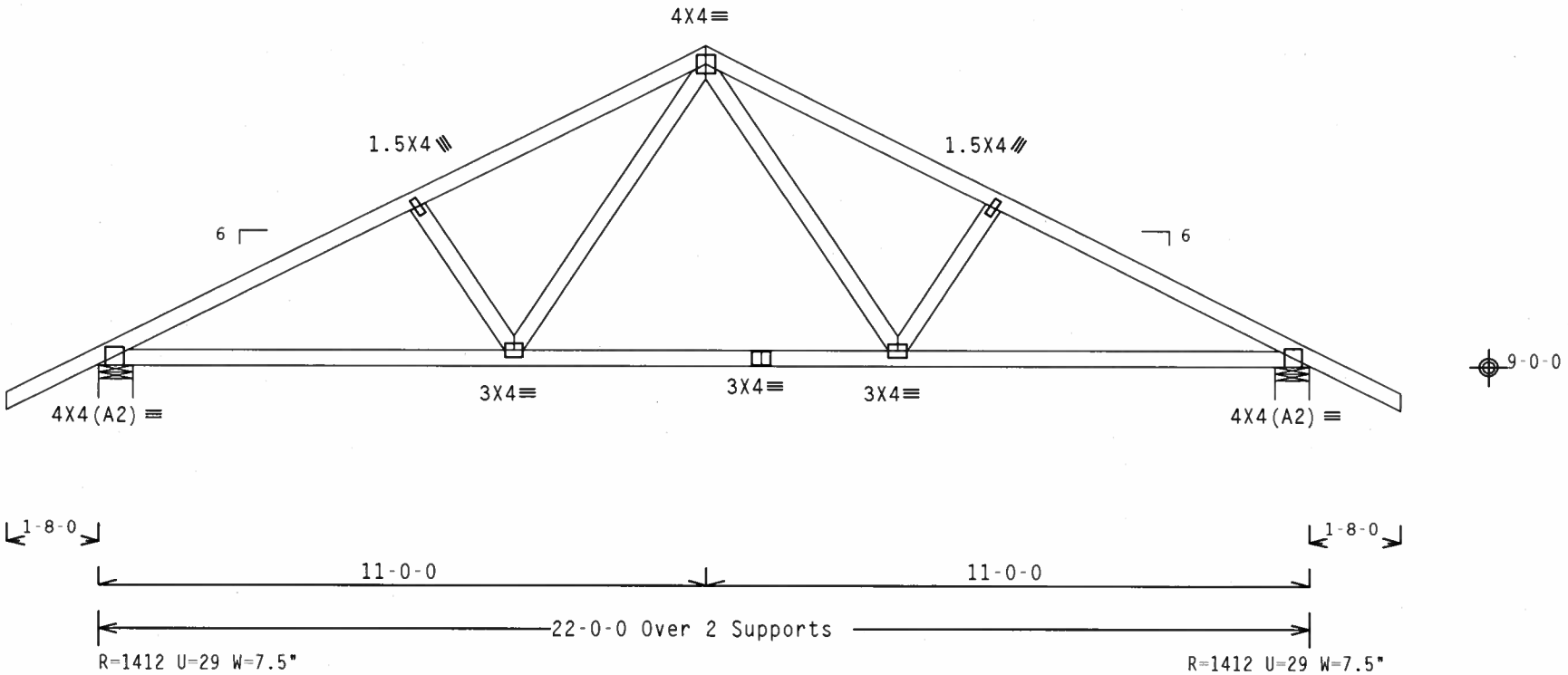
TC LL	30.0 PSF	REF R8228- 40062
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141038
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24538
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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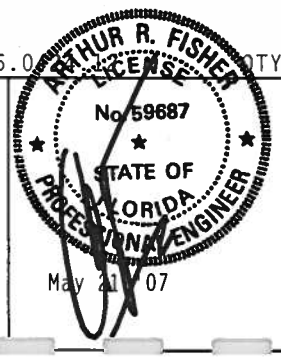


TC LL	30.0 PSF	REF R8228- 40063
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141048
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24541
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

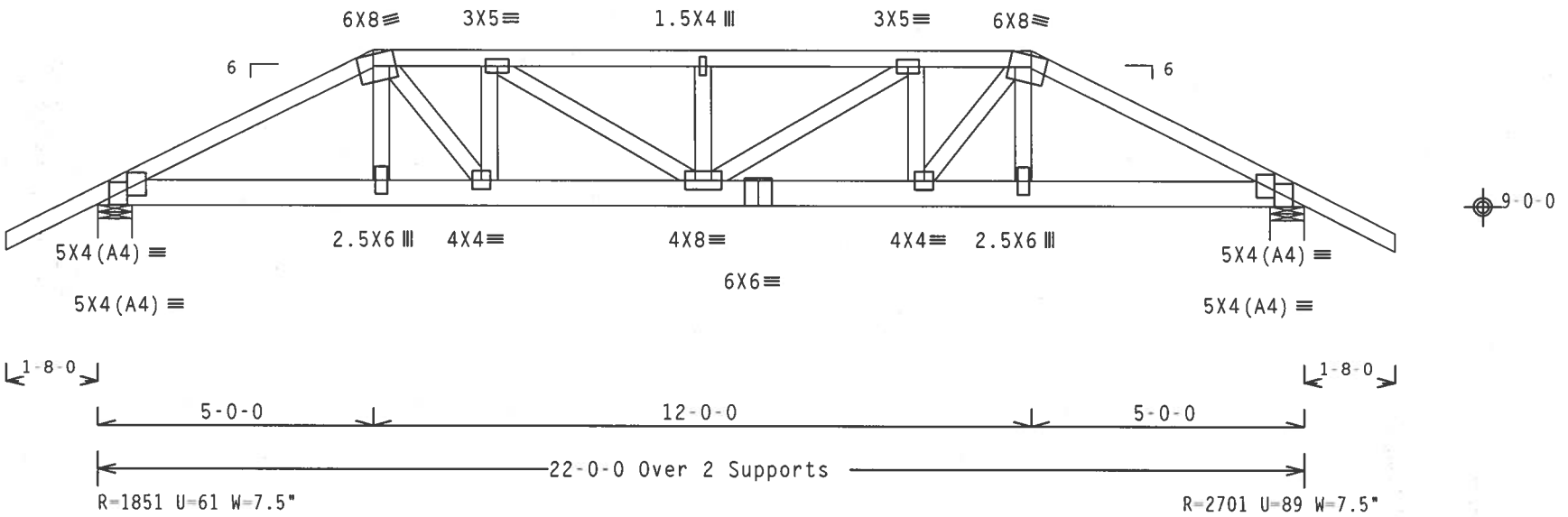
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 5.00
TC - From 94 PLF at 5.00 to 94 PLF at 17.00
TC - From 94 PLF at 17.00 to 94 PLF at 23.67
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 4 PLF at 22.00 to 4 PLF at 23.67
TC - 367 LB Conc. Load at 17.00
BC - 1221 LB Conc. Load at 16.06
BC - 140 LB Conc. Load at 17.00

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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.

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40064
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141001
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24941
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H5 CC)

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

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

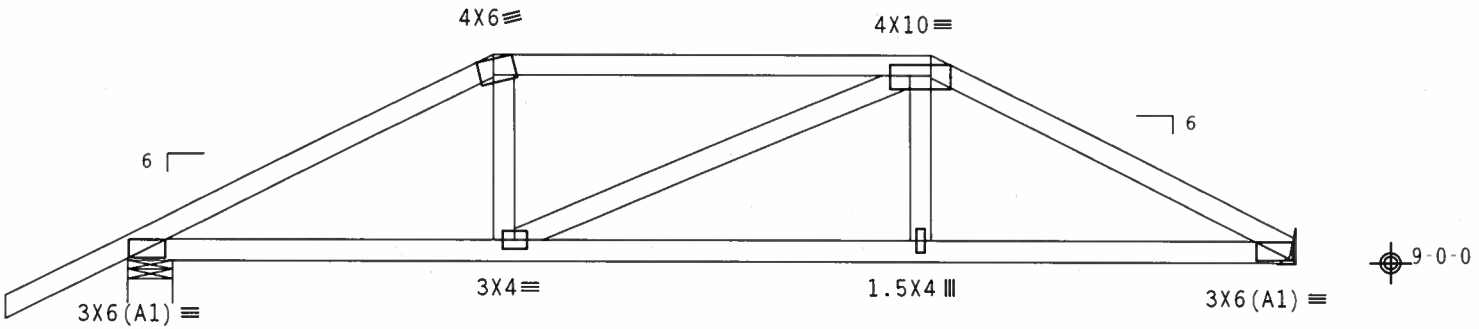
Wind reactions based on MWFRS pressures.

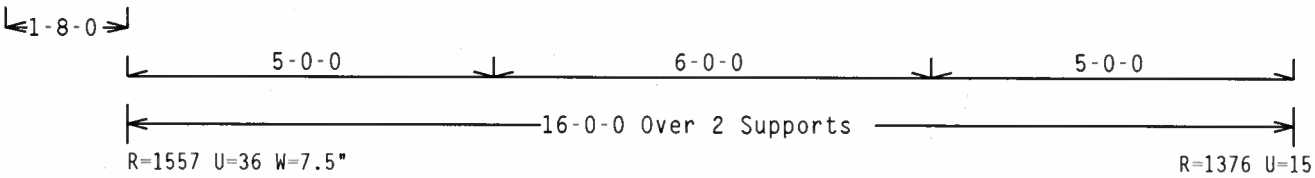
#1 hip supports 5-0-0 jacks with no webs.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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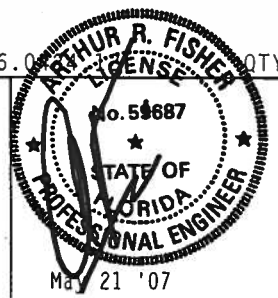


TC LL	30.0 PSF	REF R8228- 40065
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141002
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24944
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - H9 D)

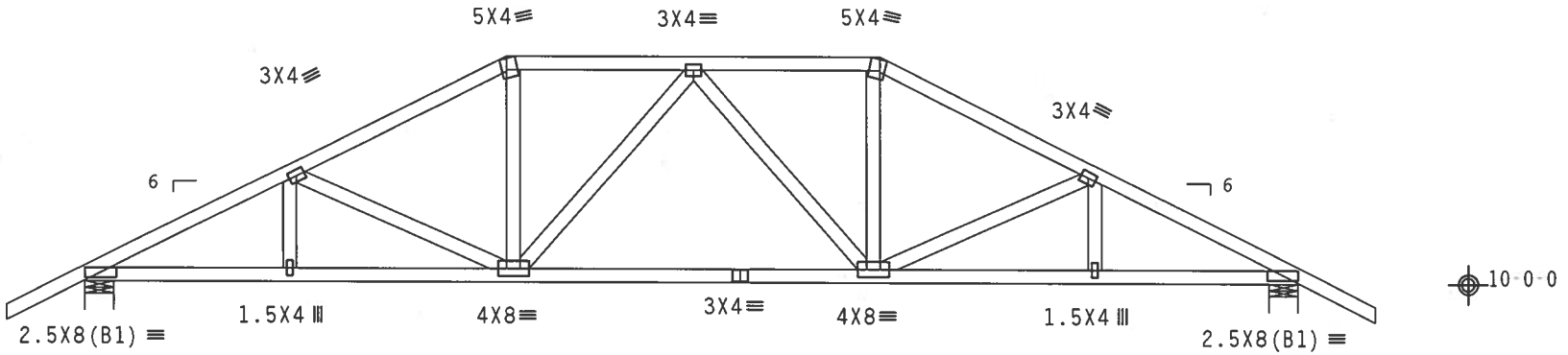
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

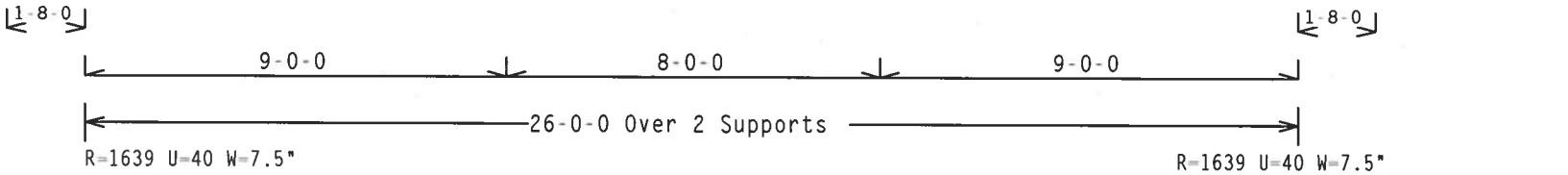
Wind reactions based on MWFRS pressures.

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

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40066
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141012
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN-	24544
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

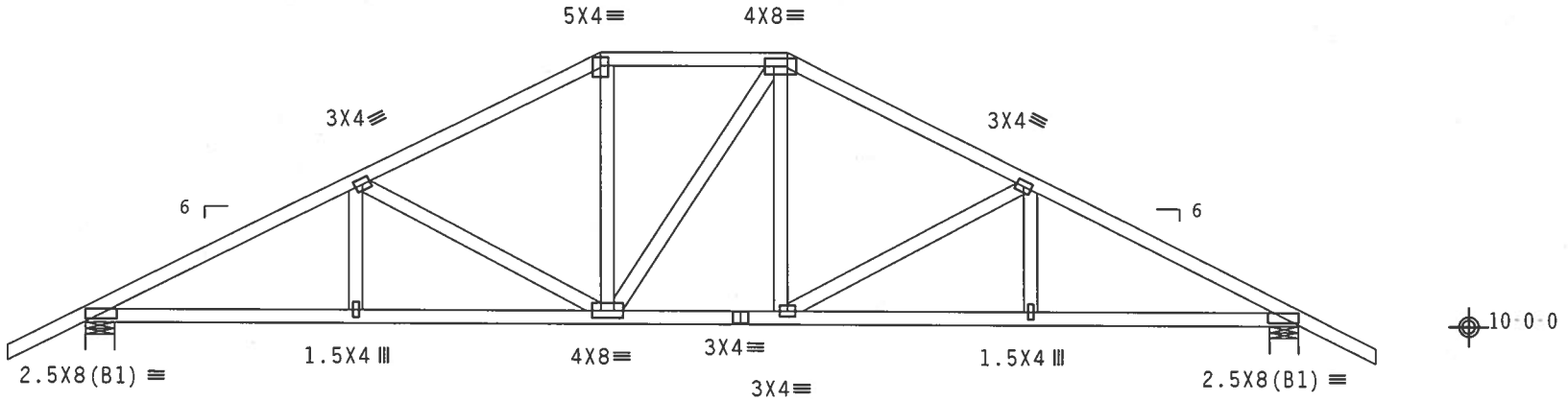
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

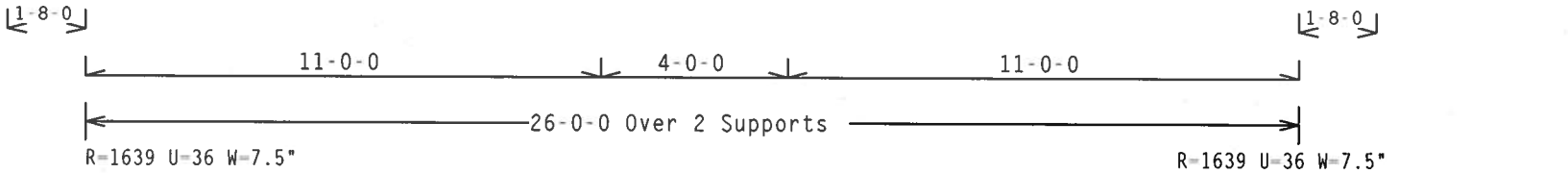
Wind reactions based on MWFRS pressures.

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

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 [illegible]EY:1 FL/-/4/-/-/R/-
Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40067
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141021
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24547
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

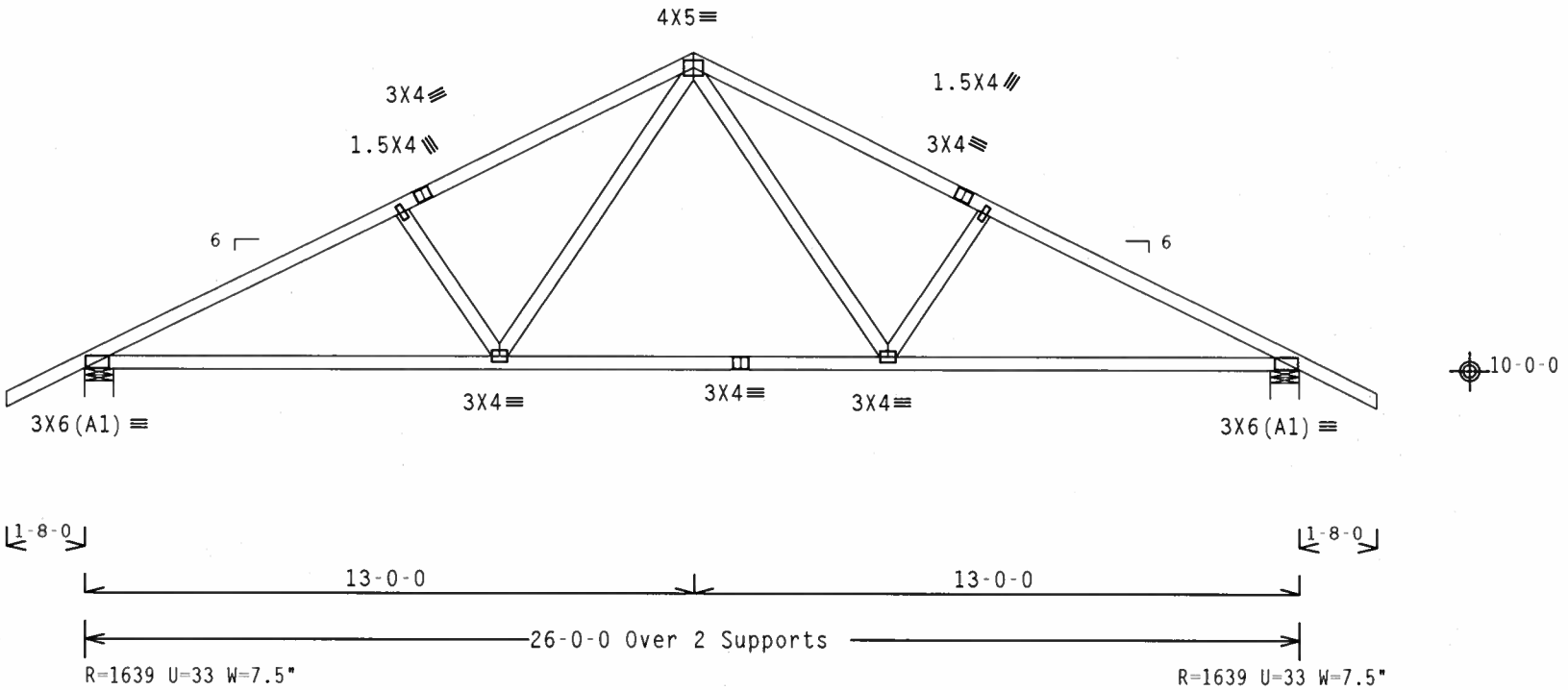
(7 101R Isaac Construction SUNIL PATEL RES. , ** D1)

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

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 07

TC LL	30.0 PSF	REF	R8228- 40068
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141022
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24565
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

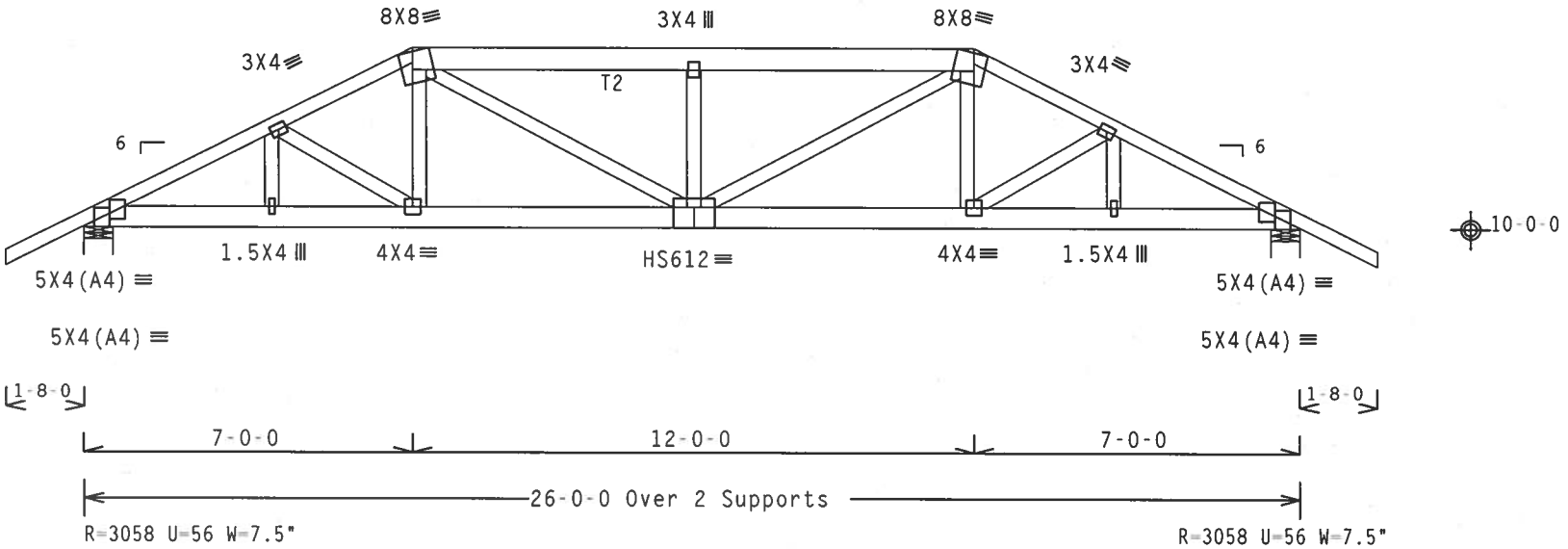
Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40069
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141059
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25069
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

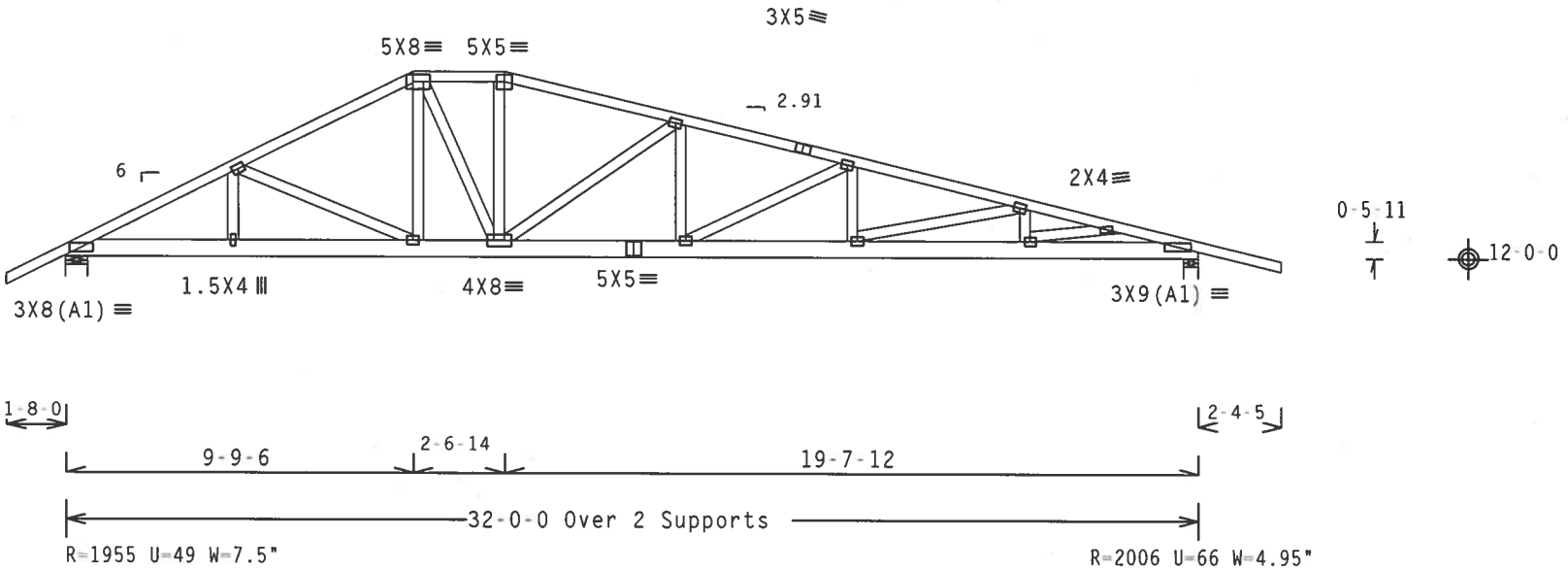
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
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May 21 '07

TC LL	30.0 PSF	REF	R8228- 40070
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141028
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24571
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

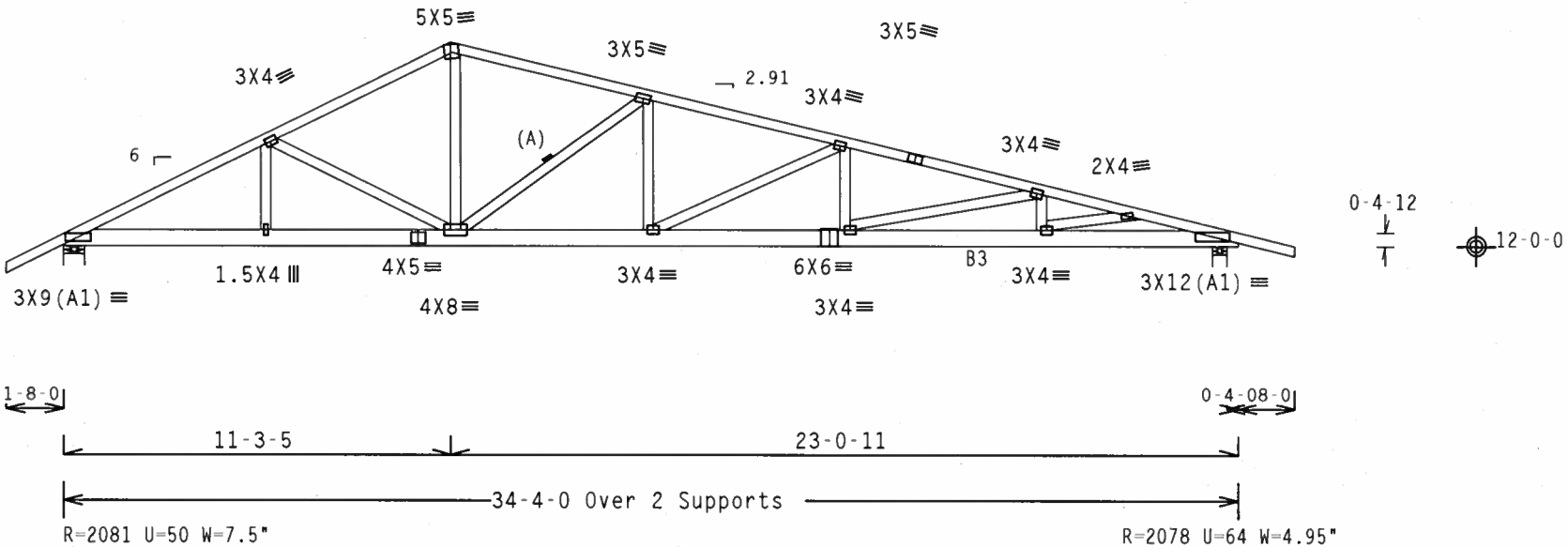
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May [illegible] '07

TC LL	30.0 PSF	REF R8228- 40071
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141029
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24591
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

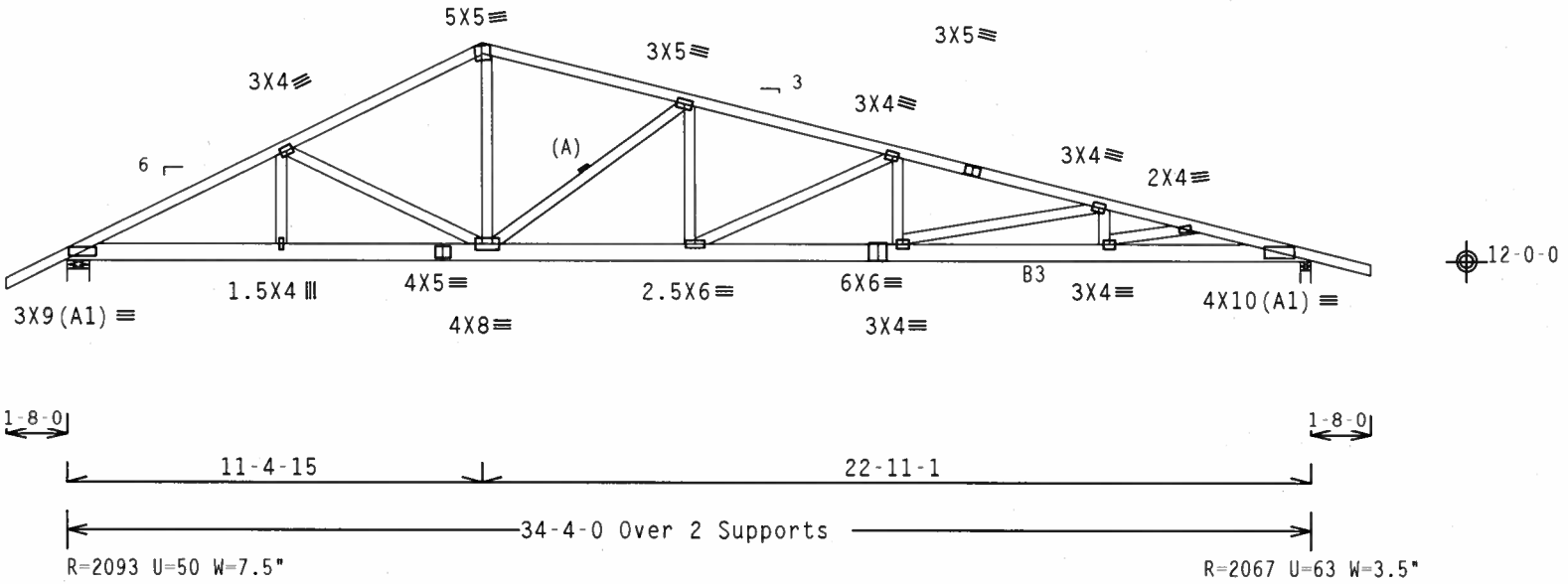
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 6[illegible]

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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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40072
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141030
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24602
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

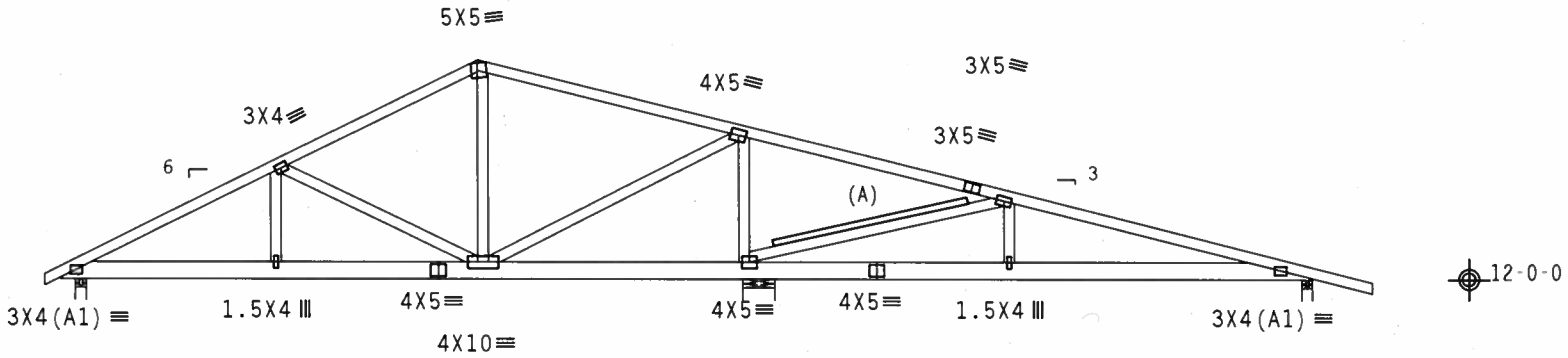
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

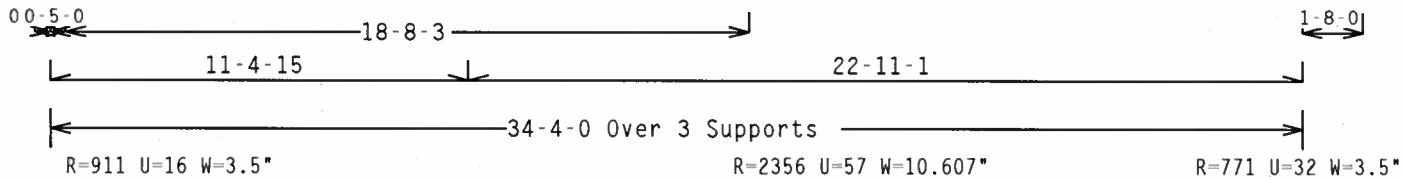
Wind reactions based on MWFRS pressures.

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

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

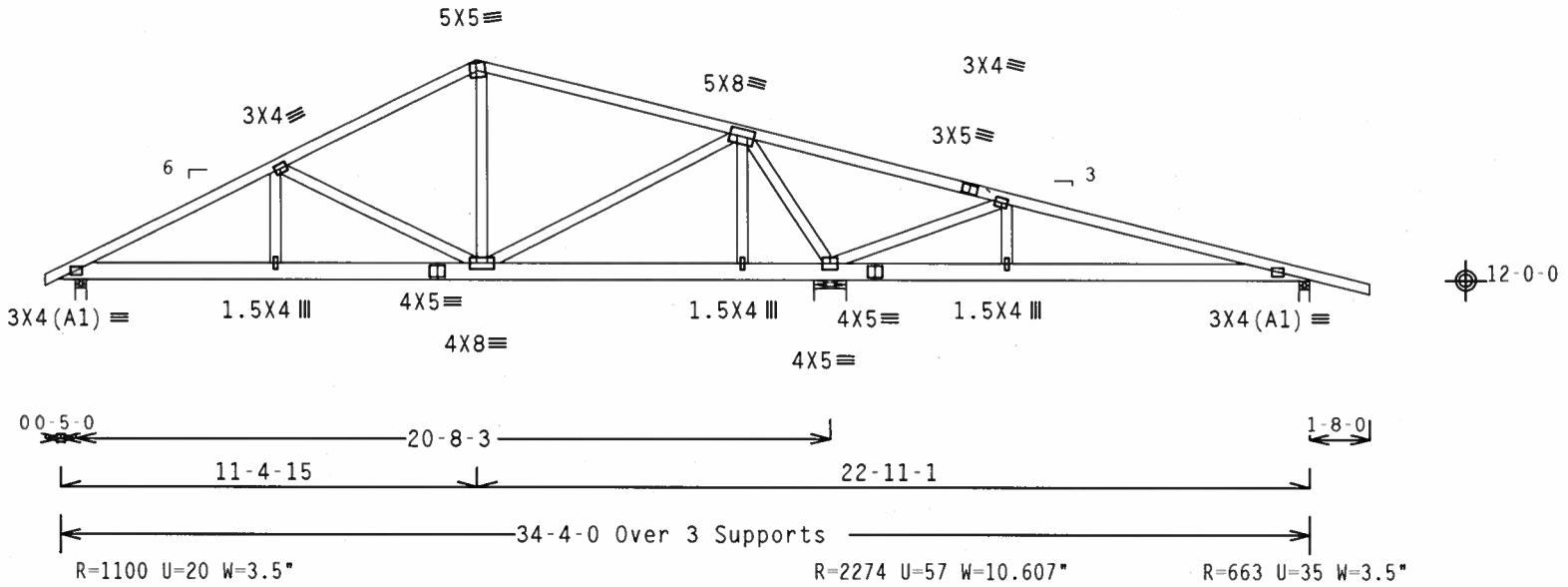
TC LL	30.0 PSF	REF R8228- 40073
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141047
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24613
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40074
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141037
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24649
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

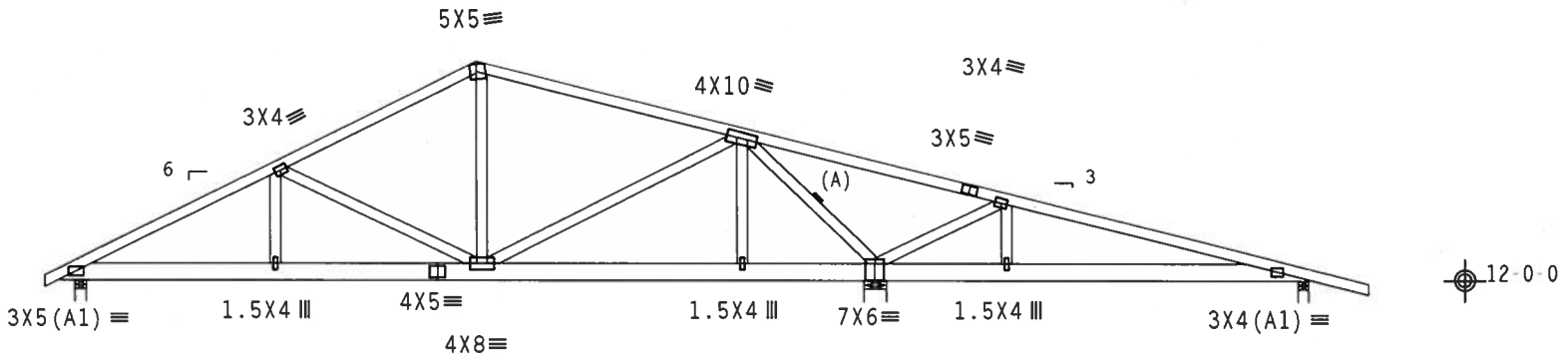
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40075
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141039
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24645
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

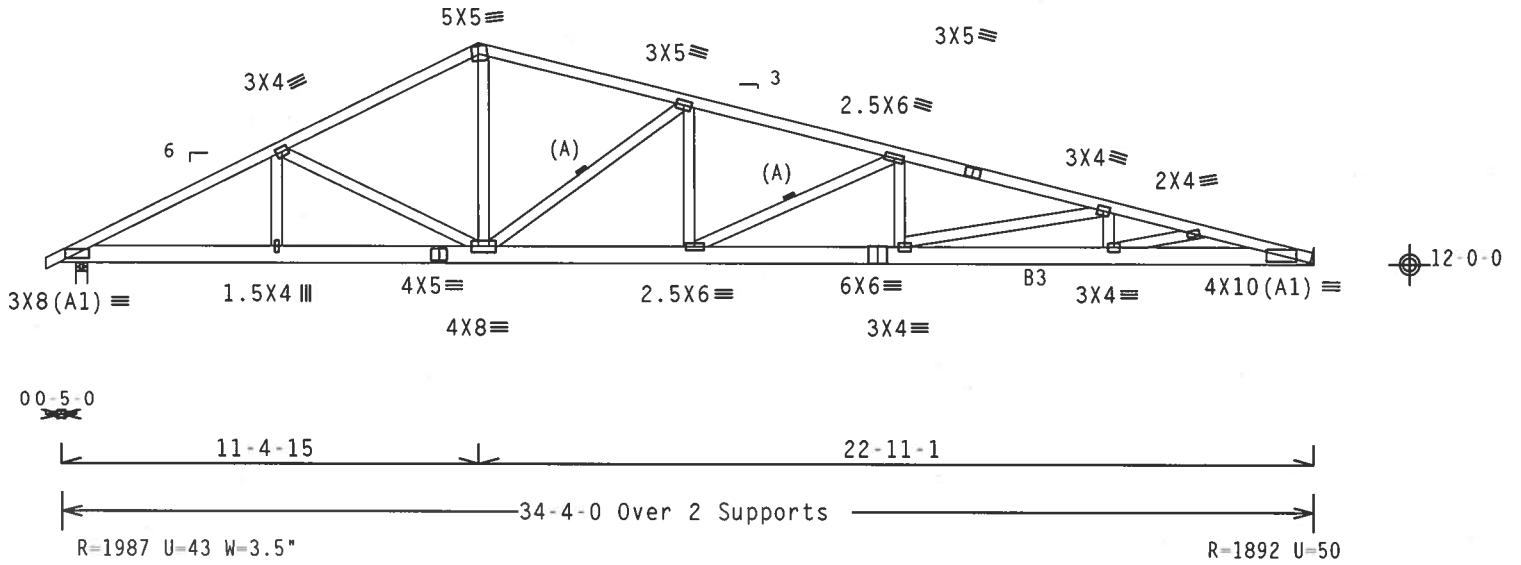
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3

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.

110 mph wind, 15.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40076
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141043
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24641
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - F6)

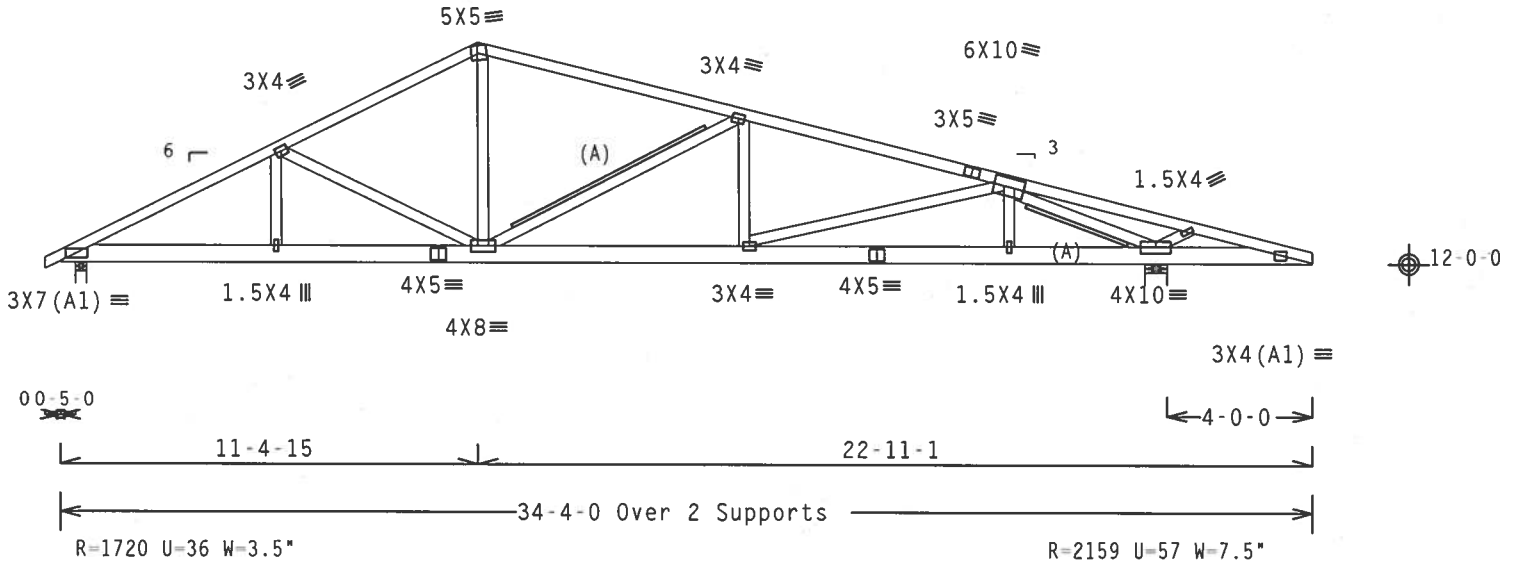
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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.

110 mph wind, 15.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40077
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141045
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN-	24637
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H7 F)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	94 PLF	at	-1.67 to	94 PLF	at 7.78
TC	From	91 PLF	at	7.78 to	91 PLF	at 14.48
TC	From	91 PLF	at	14.48 to	91 PLF	at 32.36
BC	From	4 PLF	at	-1.67 to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00 to	20 PLF	at 30.00
BC	From	4 PLF	at	30.00 to	4 PLF	at 32.36

TC - 406 LB Conc. Load at 7.85
TC - 288 LB Conc. Load at 9.85, 11.85, 13.85
TC - 65 LB Conc. Load at 15.85
TC - 125 LB Conc. Load at 17.85
TC - 207 LB Conc. Load at 19.85
BC - 542 LB Conc. Load at 7.78
BC - 90 LB Conc. Load at 9.85, 11.85, 13.85
BC - 439 LB Conc. Load at 15.85
BC - 247 LB Conc. Load at 17.85
BC - 360 LB Conc. Load at 19.85
BC - 343 LB Conc. Load at 20.41
BC - 217 LB Conc. Load at 23.33
BC - 72 LB Conc. Load at 26.24

2 COMPLETE TRUSSES REQUIRED

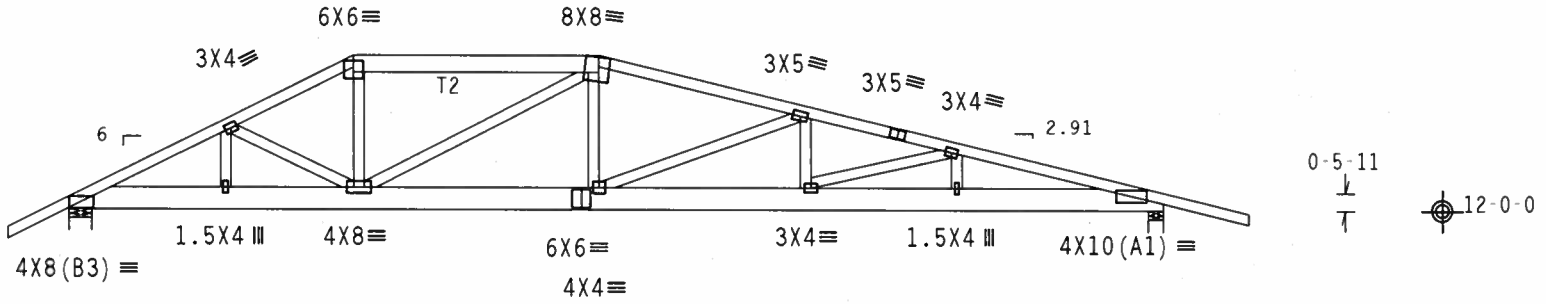
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

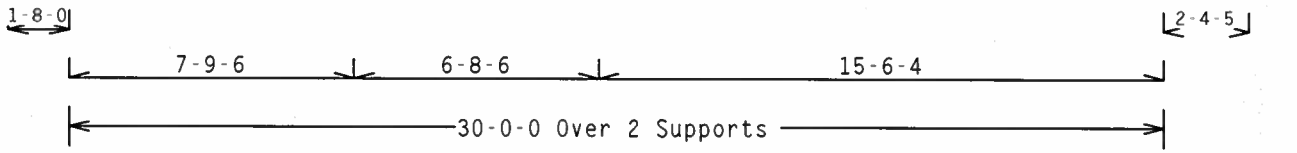
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.31.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR A. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40078
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141044
BC LL	0.0 PSF		HC-ENG RA/AF
TOT.LD.	55.0 PSF	SEQN-	6335 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x8 SP #1 Dense :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W6 2x6 SP #2:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	94 PLF	at	-1.67	to	94 PLF	at 5.89
TC - From	94 PLF	at	5.89	to	94 PLF	at 16.63
BC - From	4 PLF	at	-1.67	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 6.63
BC - From	20 PLF	at	6.63	to	20 PLF	at 7.75
BC - From	70 PLF	at	7.75	to	70 PLF	at 16.17
BC - From	20 PLF	at	16.17	to	20 PLF	at 16.63

(B) (1) 2X8X 12-0-0 SP#1 DENSE SCAB; ATTACH TO ONE FACE OF TRUSS WITH (2)10d COMMON(0.148"X3.0") NAILS IN EACH MEMBER COVERED WITHOUT SPLITTING LUMBER.

** The maximum horizontal reaction is 378# **

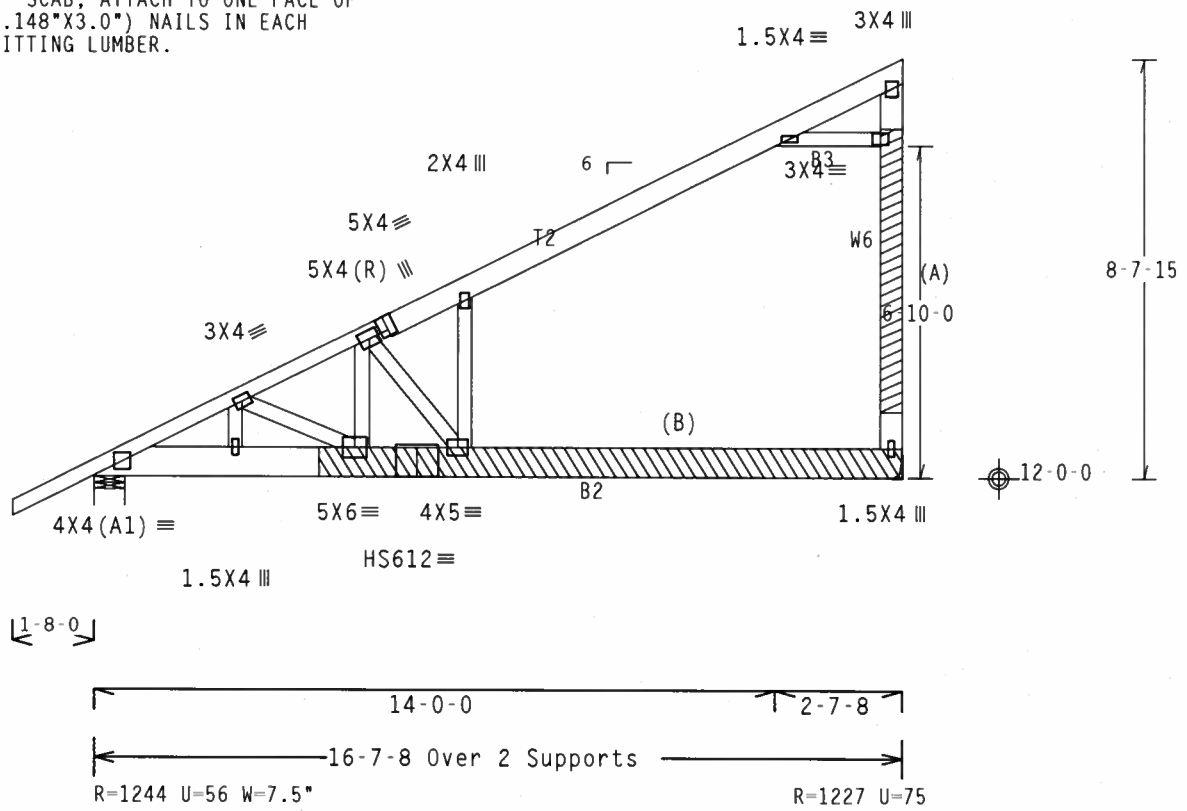
110 mph wind, 16.09 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.23" due to live load and 0.44" due to dead load.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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ARTHUR R. FISHER LICENSE No.69687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 24, 07

TC LL	30.0 PSF	REF R8228- 40079
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141081
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24527
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** G1)

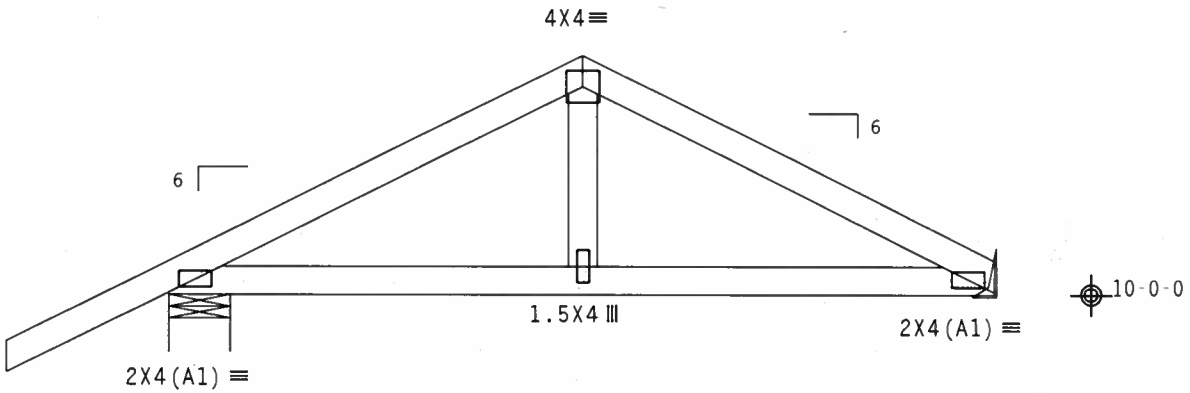
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

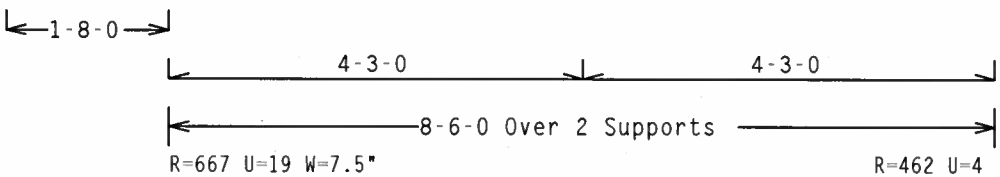
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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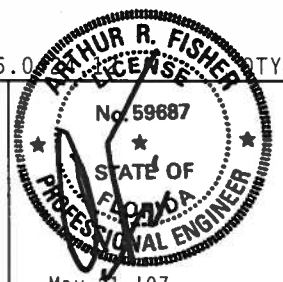


May 21 '07

TC LL	30.0 PSF	REF	R8228- 40080
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141066
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24698
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

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

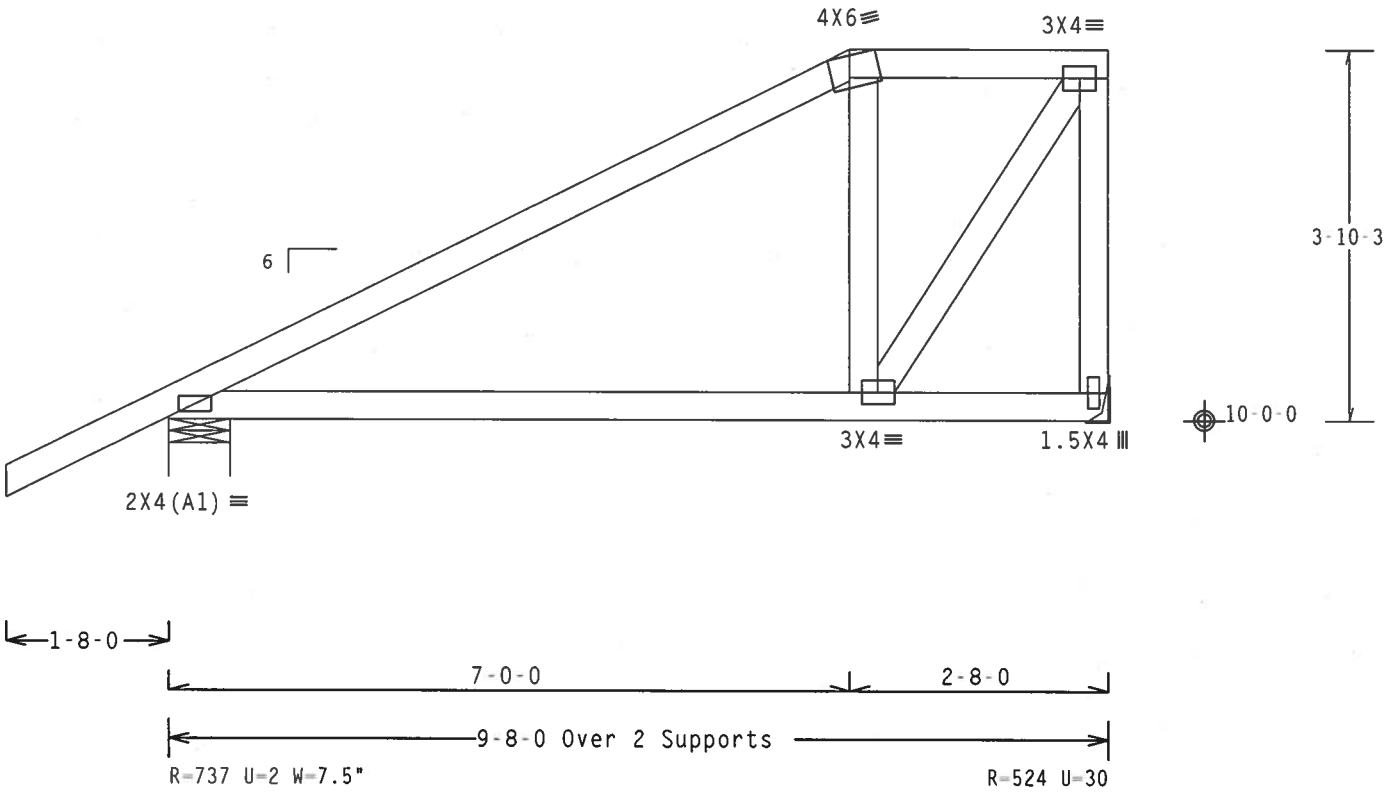
Wind reactions based on MWFRS pressures.

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, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40081
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141062
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24706
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** G3)

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

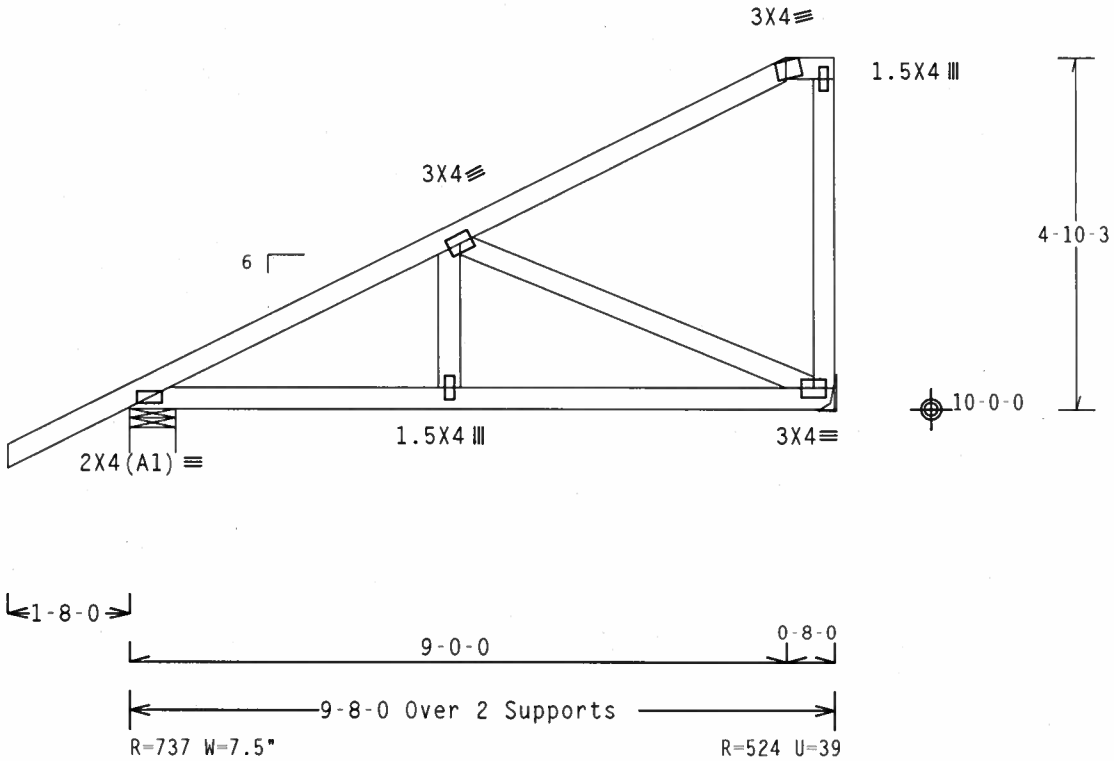
Wind reactions based on MWFRS pressures.

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, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40082
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141063
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24714
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** G4)

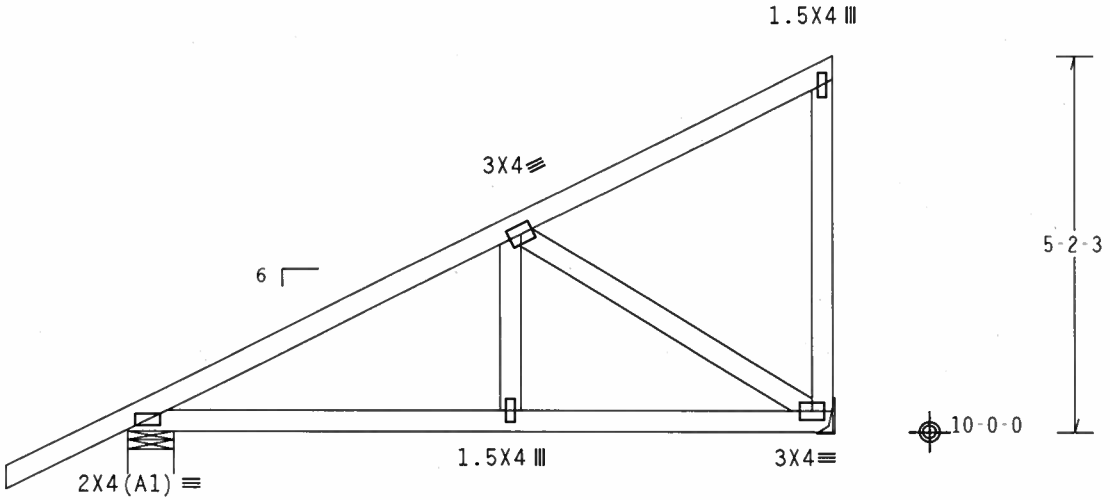
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



1-8-0

9-8-0 Over 2 Supports

R=737 W=7.5" R=524 U=42

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40083
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141064
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24720
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** H5 G)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

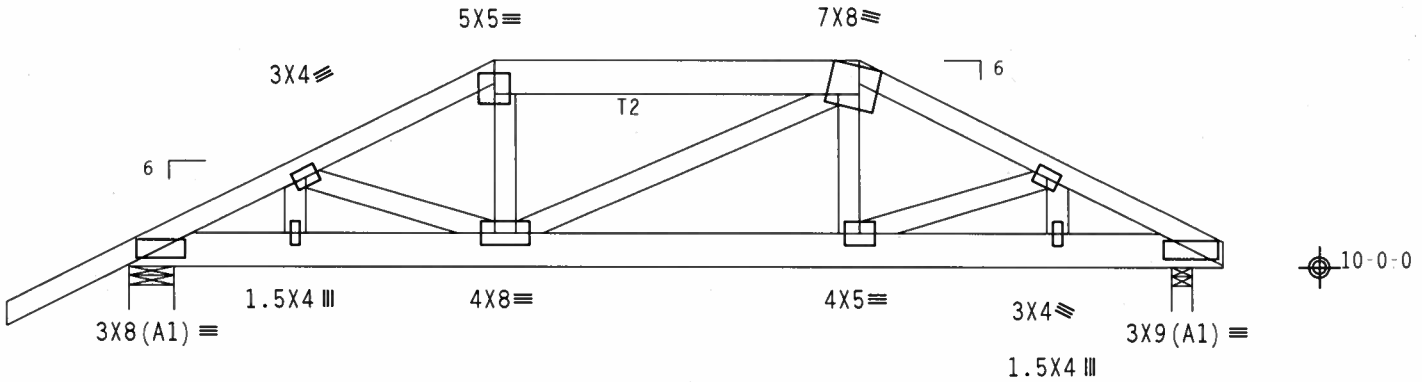
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 5.00
TC - From 94 PLF at 5.00 to 94 PLF at 10.00
TC - From 94 PLF at 10.00 to 94 PLF at 15.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 15.00
TC - 367 LB Conc. Load at 10.00
BC - 864 LB Conc. Load at 8.56
BC - 140 LB Conc. Load at 10.00

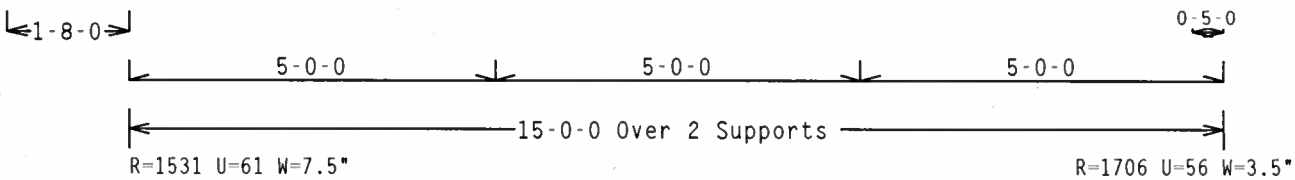
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

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. Wave Cq/RT=1.00(1.25)/10(0) 7.31.1 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59827 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40084
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141056
BC LL	0.0 PSF	HC-ENG	RA/AF
TOT.LD.	55.0 PSF	SEQN-	6320 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

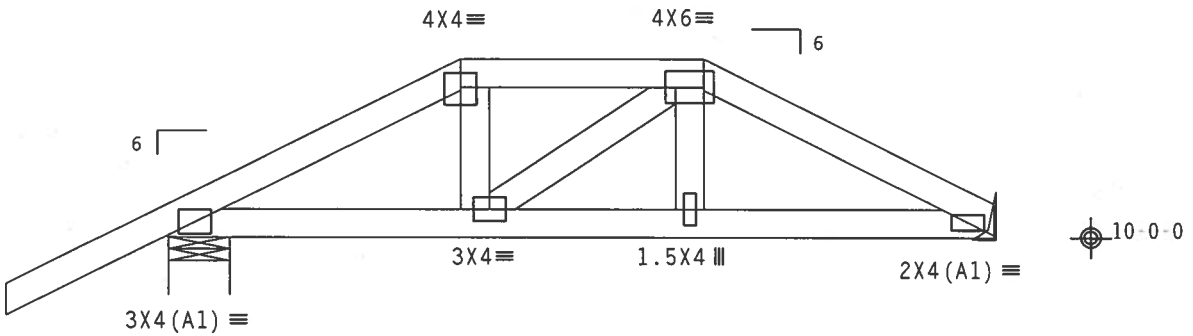
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

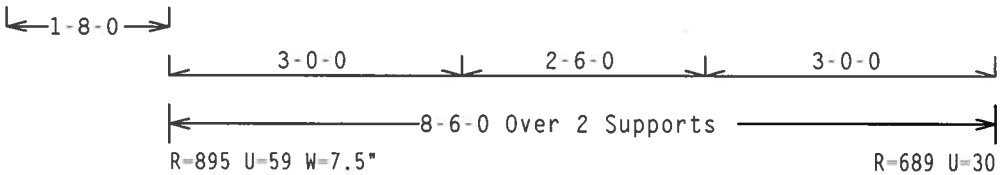
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	94 PLF	at	-1.67	to	94 PLF	at 3.00
TC	From	94 PLF	at	3.00	to	94 PLF	at 5.50
TC	From	94 PLF	at	5.50	to	94 PLF	at 8.50
BC	From	4 PLF	at	-1.67	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 8.50

TC - 157 LB Conc. Load at 3.06, 5.44
TC - 86 LB Conc. Load at 4.25
BC - -2 LB Conc. Load at 3.00, 5.50
BC - 19 LB Conc. Load at 3.06, 4.25, 5.44

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAY 21 '07

TC LL	30.0 PSF	REF	R8228- 40085
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141065
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24998
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - EJ5G)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

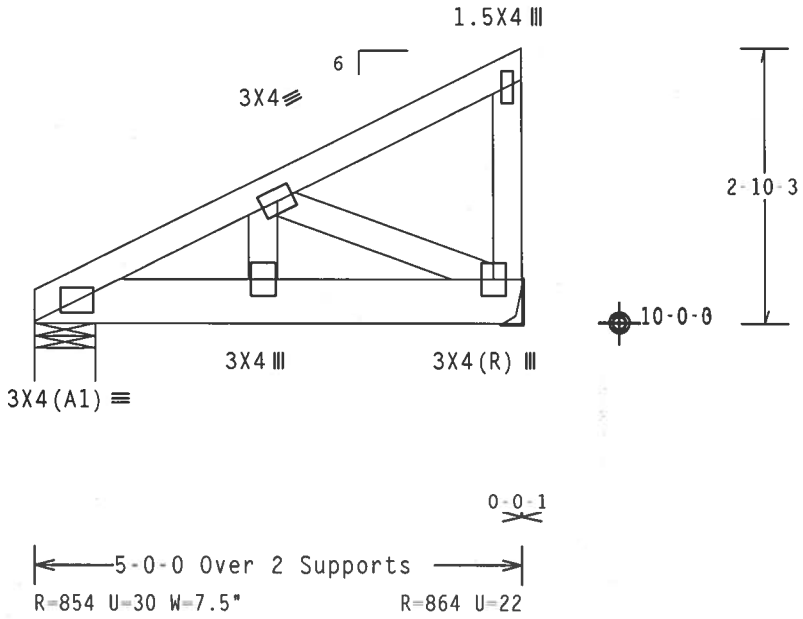
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at 0.00 to 94 PLF at 5.00
BC - From 20 PLF at 0.00 to 20 PLF at 5.00
BC - 689 LB Conc. Load at 1.73
BC - 462 LB Conc. Load at 3.73

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40086
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141067
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24703
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at 0.00 to 94 PLF at 7.00
BC - From 110 PLF at 0.00 to 110 PLF at 0.31
BC - From 20 PLF at 0.31 to 20 PLF at 7.00
BC - 1207 LB Conc. Load at 2.31
BC - 1216 LB Conc. Load at 4.31, 6.31

Wind reactions based on MWFRS pressures.

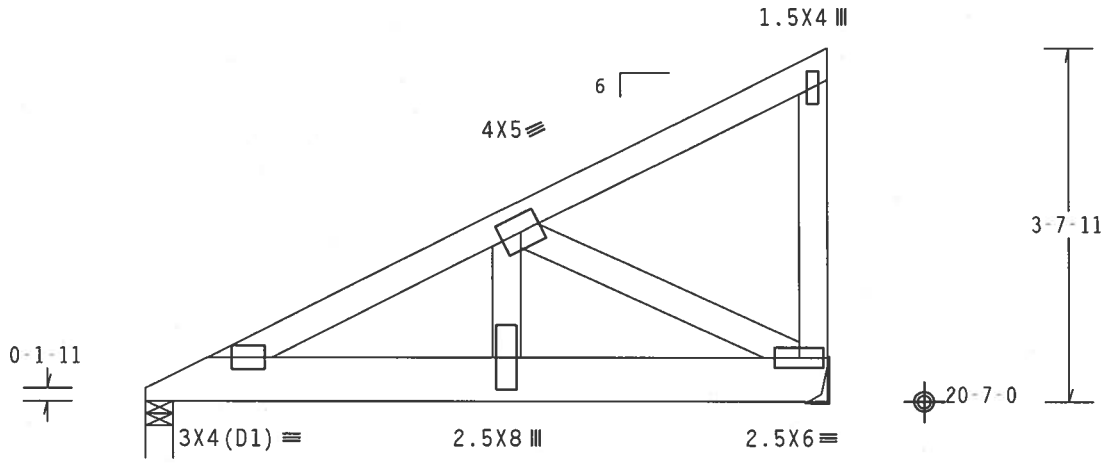
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 22.56 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40087
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141092
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24773
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - EJ7GG)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at 0.00 to 94 PLF at 7.33
BC - From 20 PLF at 0.00 to 20 PLF at 7.33
BC - 1670 LB Conc. Load at 1.40, 3.40, 5.40

Wind reactions based on MWFRS pressures.

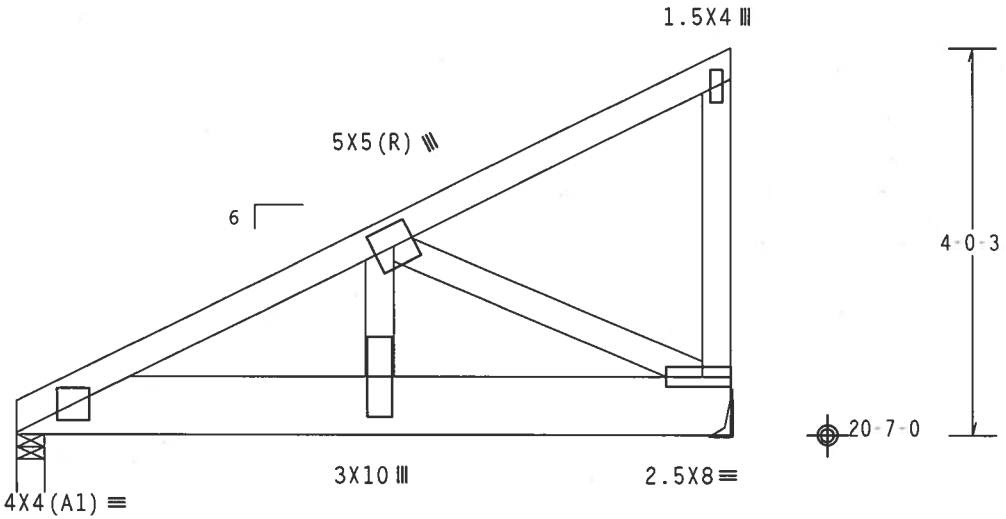
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 22.76 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

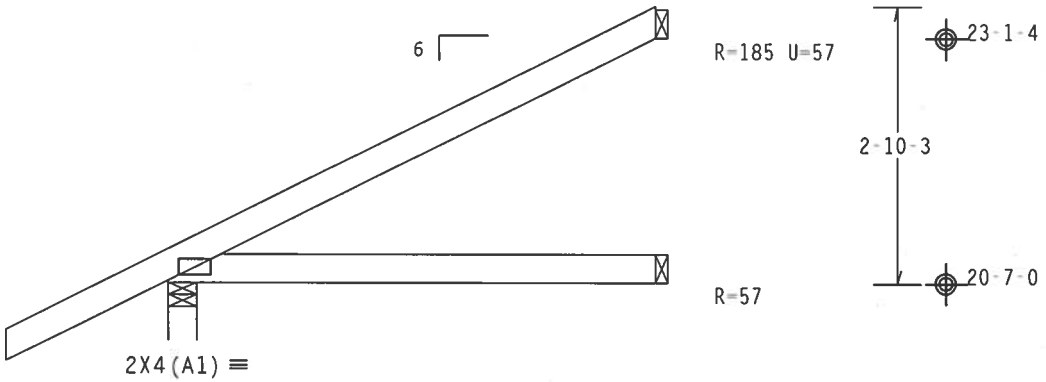
TC LL	30.0 PSF	REF R8228- 40088
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141004
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24913
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.76 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 07

TC LL	30.0 PSF	REF R8228- 40089
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24938
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

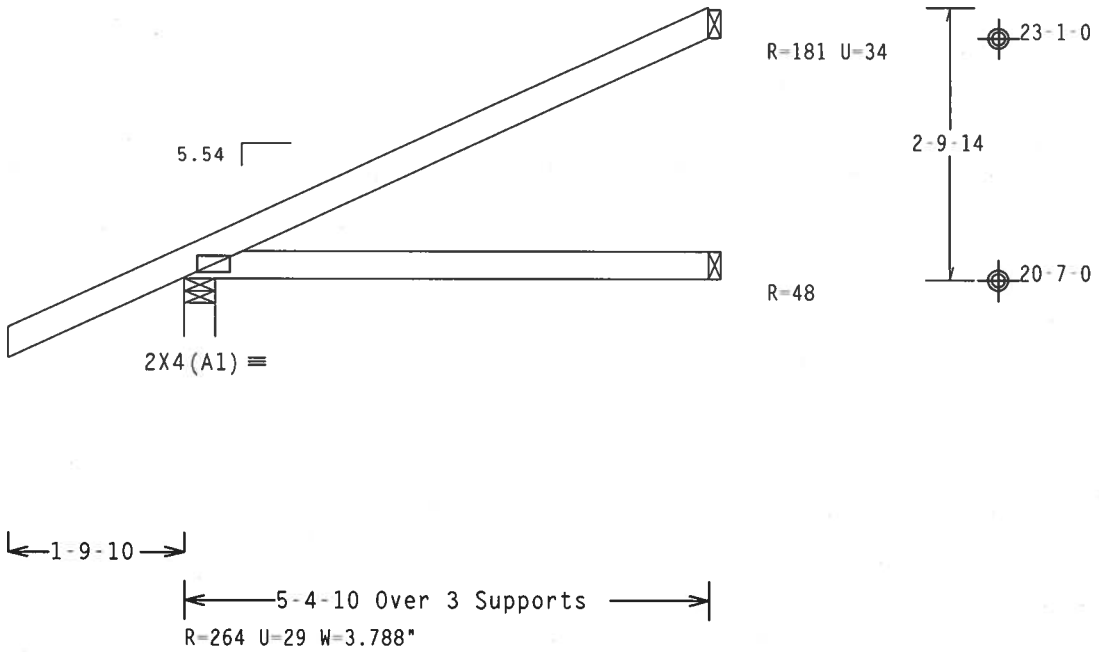
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

110 mph wind, 21.75 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 3-9-11 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40090
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141014
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24956
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

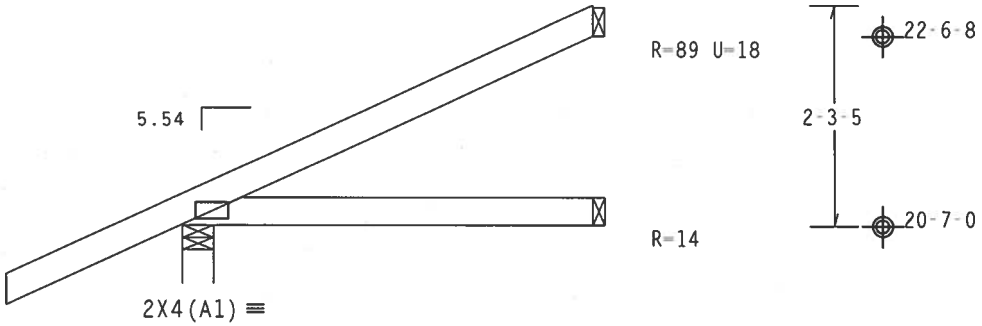
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

110 mph wind, 21.47 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 2-11-11 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

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May 21 '07

TC LL	30.0 PSF	REF R8228- 40091
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141013
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24959
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

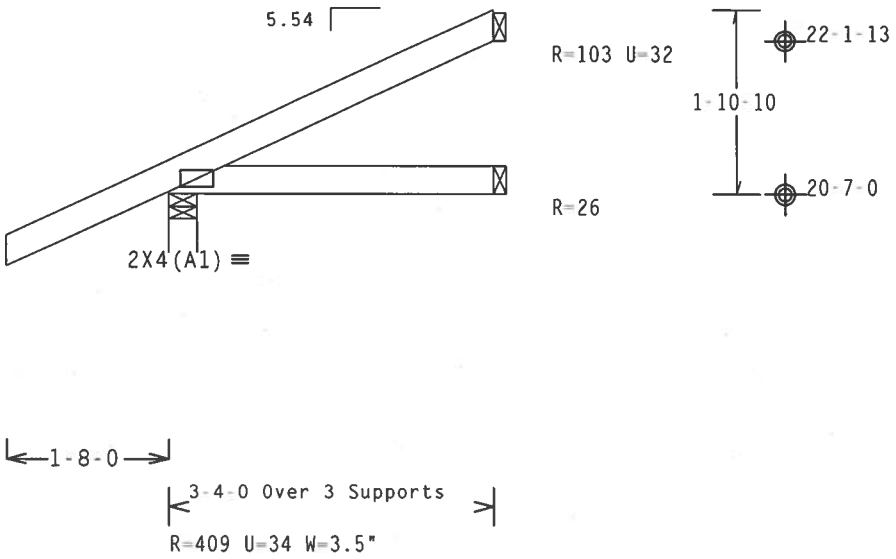
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - CJ3 B)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.32 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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Haines City, FL 33844
FL Certificate of Authorization # 567

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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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21,'07

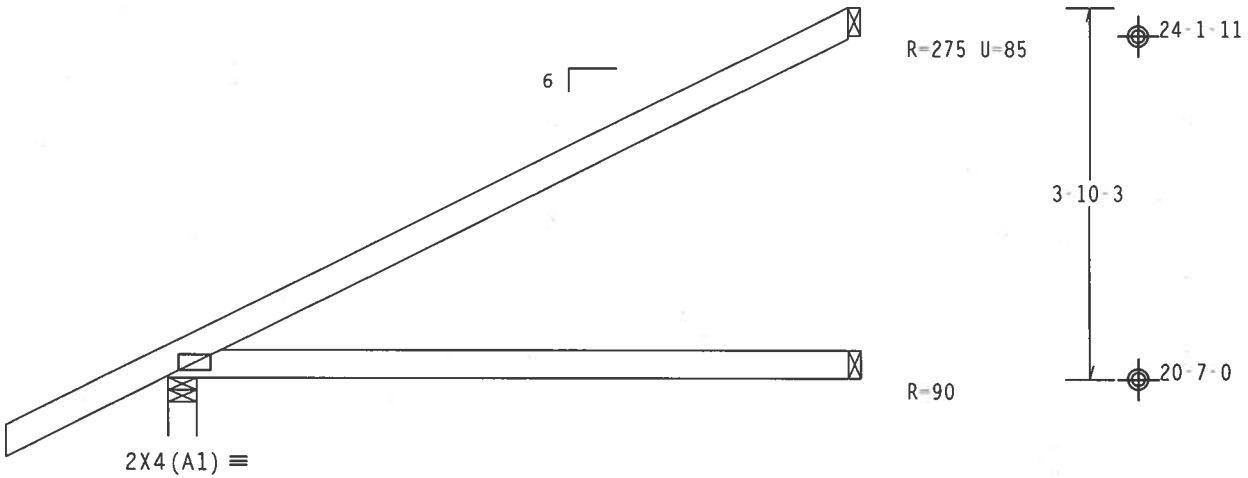
TC LL	30.0 PSF	REF	R8228- 40092
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141018
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24962
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

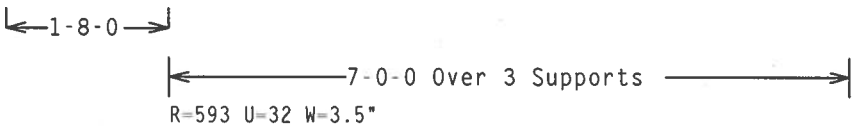
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

110 mph wind, 22.26 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

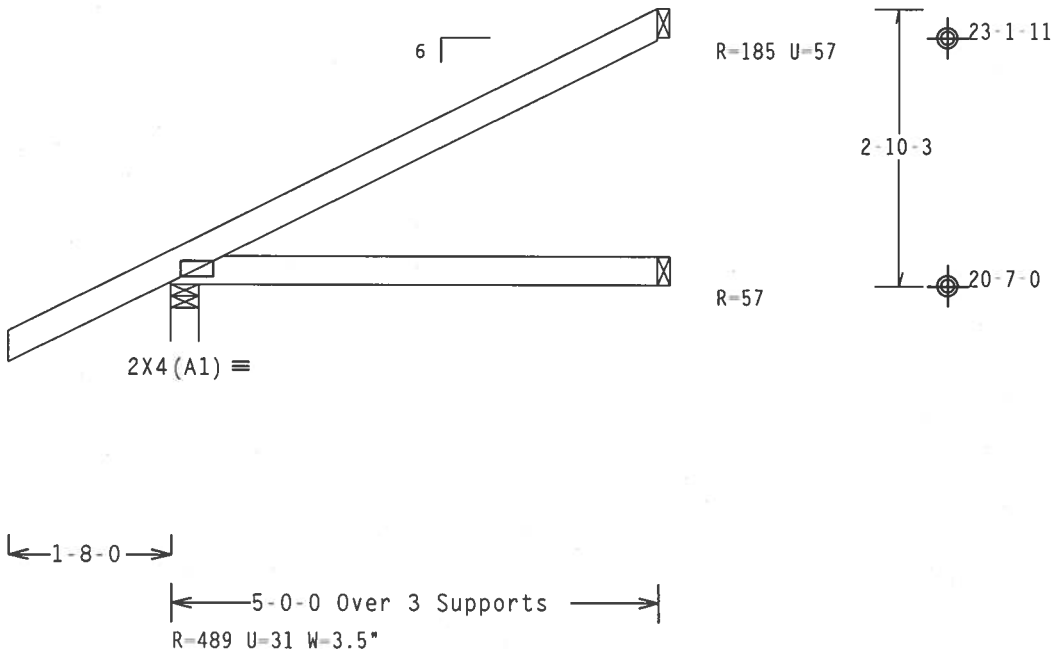
TC LL	30.0 PSF	REF R8228- 40093
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141084
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24965
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.76 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #-567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40094
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141082
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24982
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

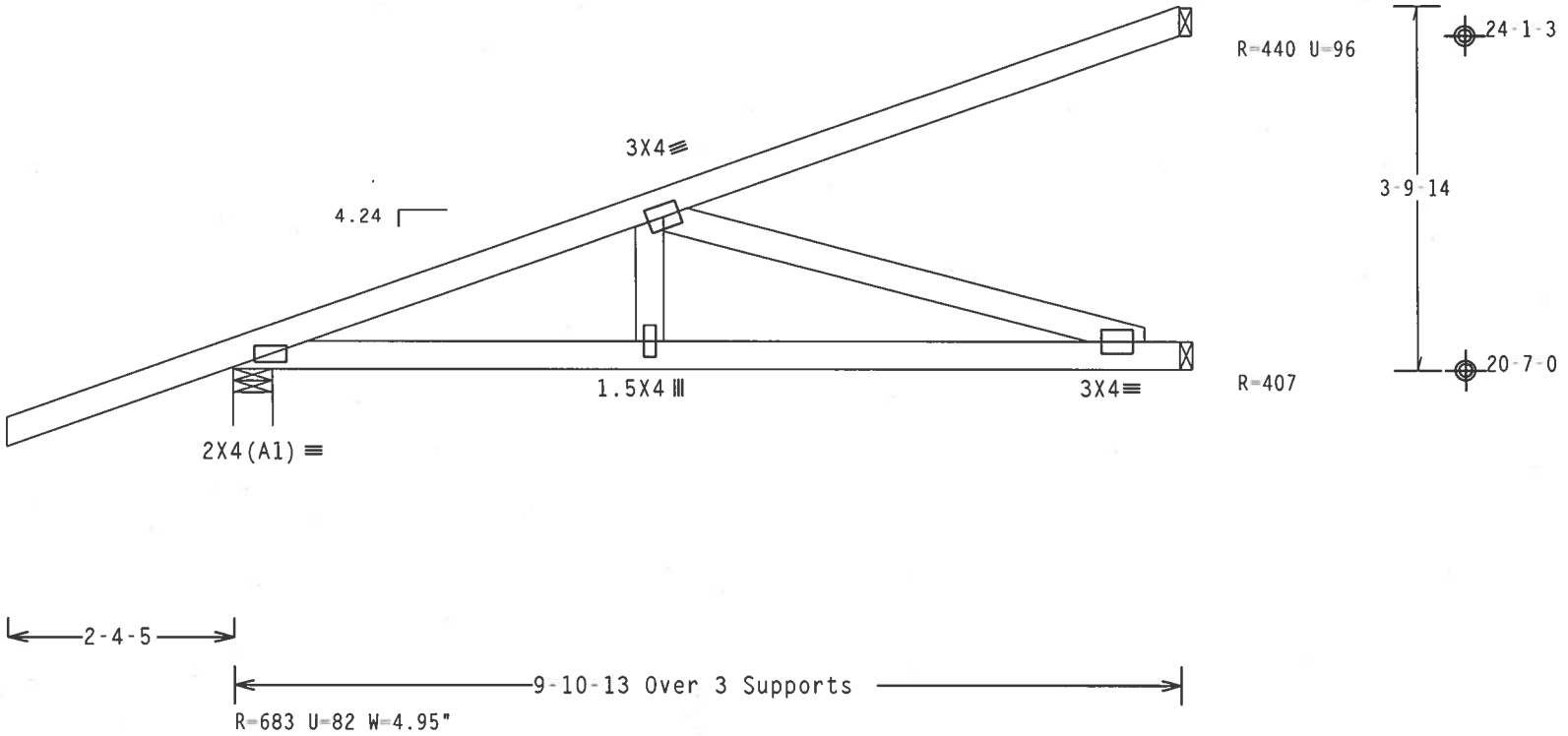
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 22.24 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 7-0-0 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40095
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141080
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24985
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - HJ7-4)

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

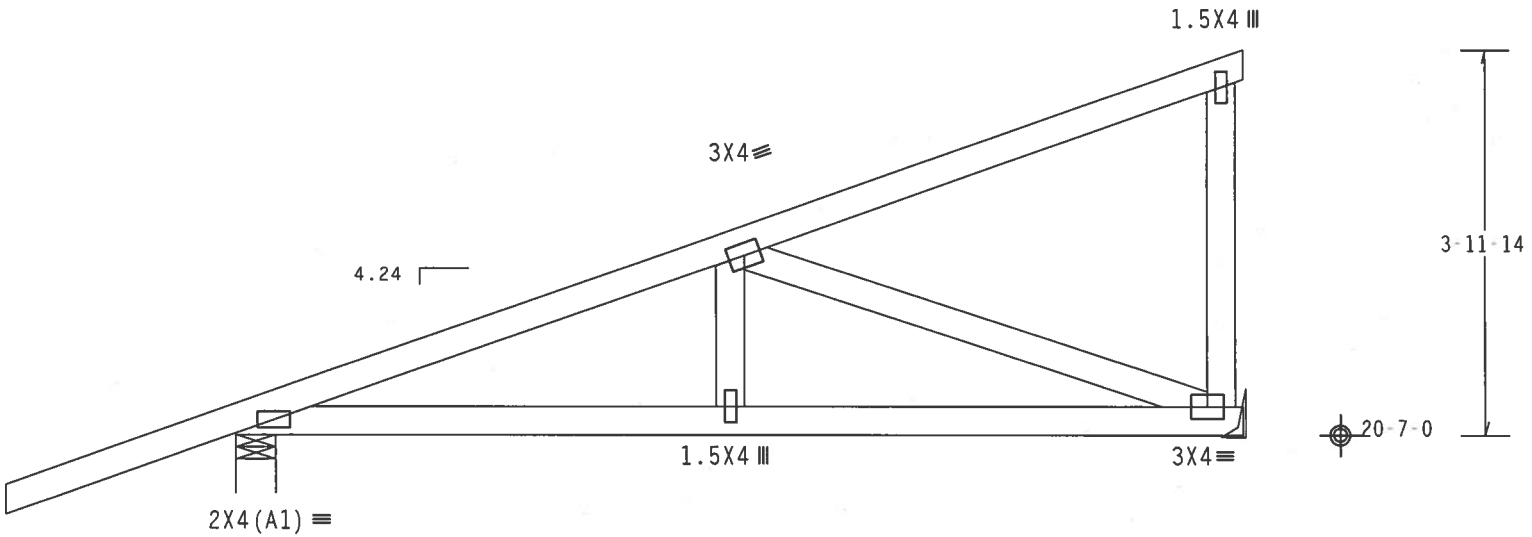
Wind reactions based on MWFRS pressures.

Hipjack supports 7-4-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

110 mph wind, 22.32 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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



2-4-5

10-4-7 Over 2 Supports

R=669 U=77 W=4.95"

R=953 U=90

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 2 '07

TC LL	30.0 PSF	REF	R8228- 40096
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141001
BC LL	0.0 PSF		HC-ENG RA/AF
TOT.LD.	55.0 PSF	SEQN-	25779
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

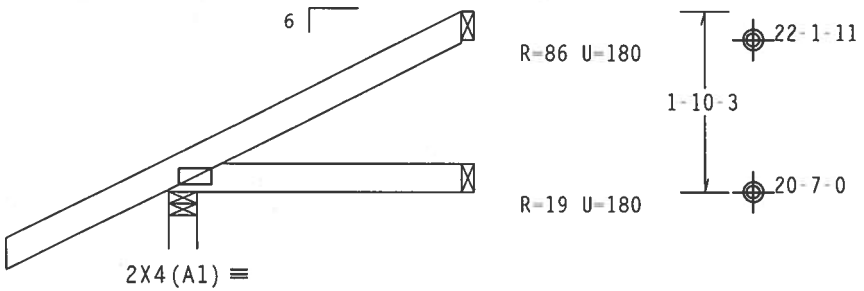
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

110 mph wind, 21.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40097
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141083
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	154369
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

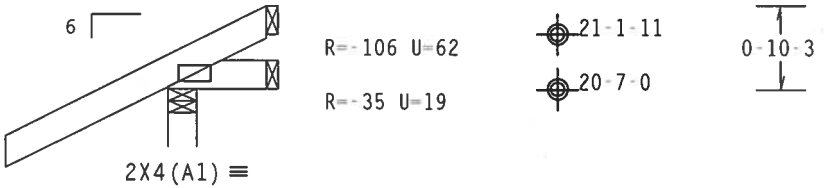
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - CJ1)

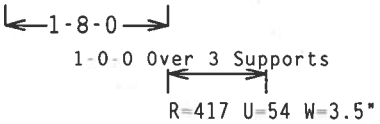
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

110 mph wind, 20.76 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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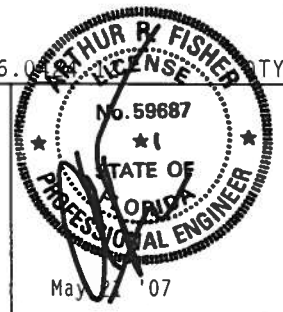


May 21 '07

TC LL	30.0 PSF	REF R8228- 40098
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141069
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25268
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - HJ3)

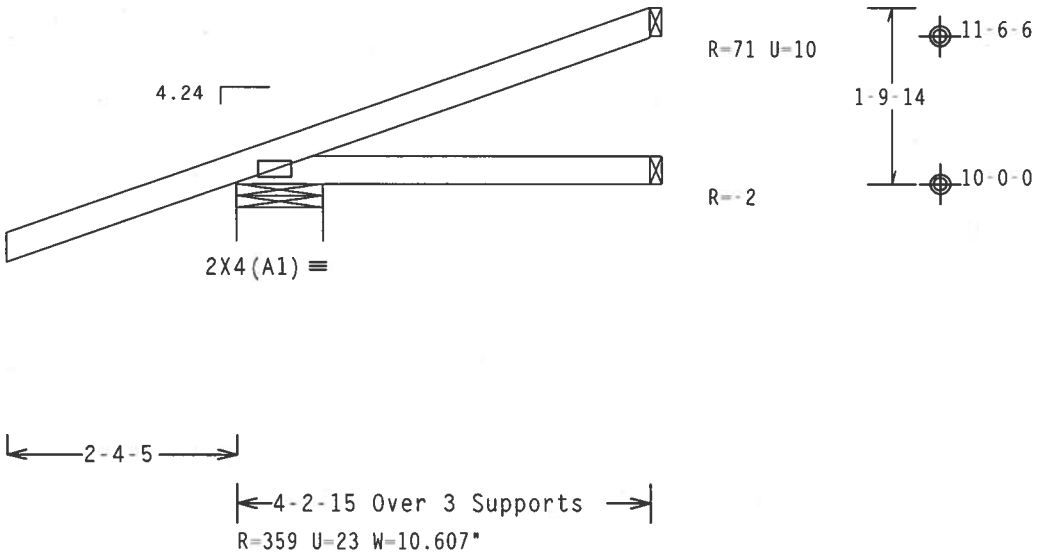
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 3-0-0 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.[illegible]TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21,07

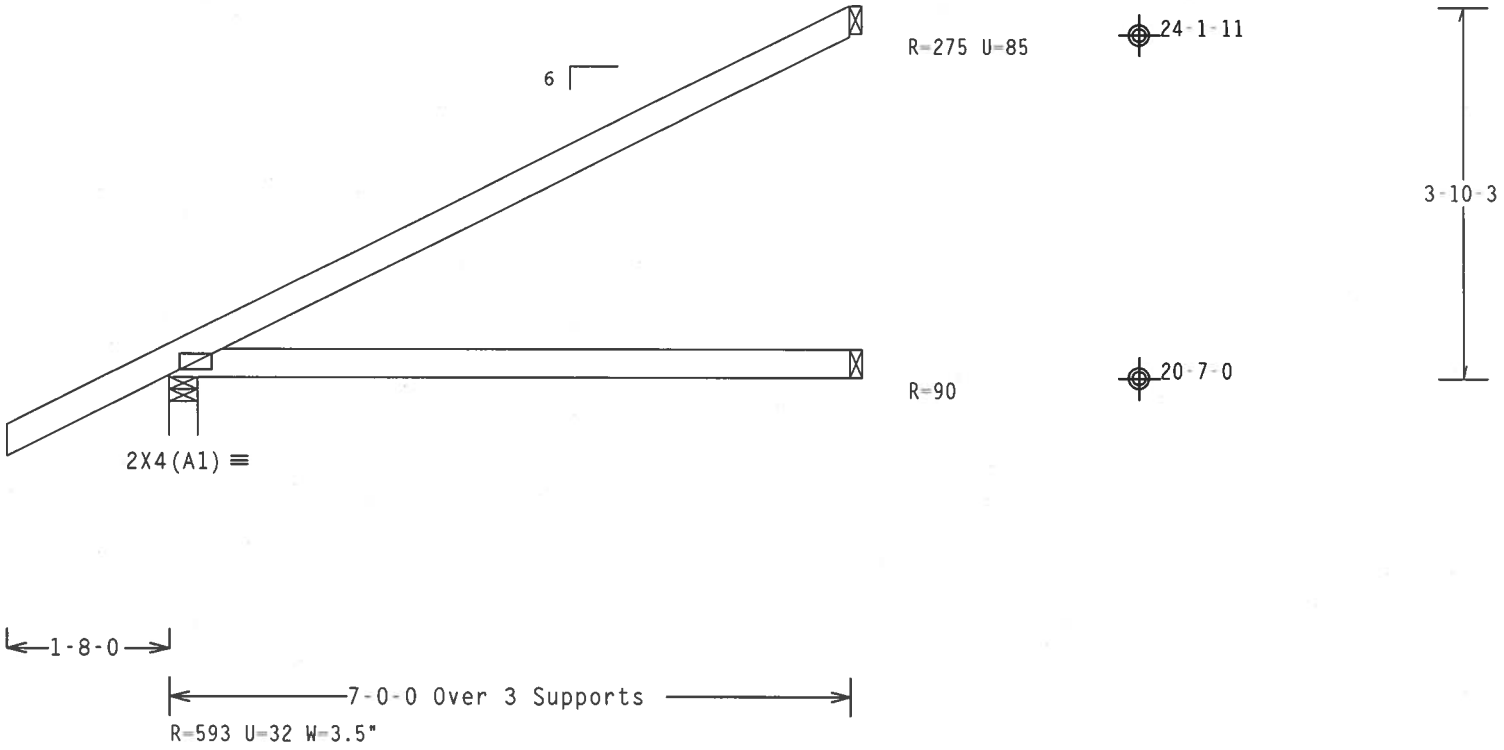
TC LL	30.0 PSF	REF R8228- 40099
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141068
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25272
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 22.26 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

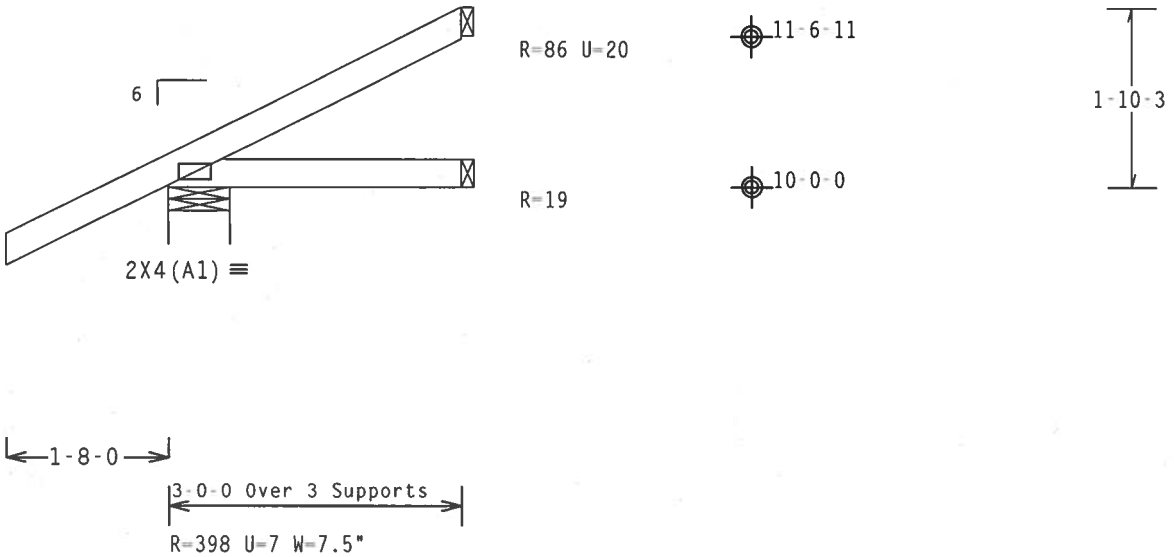
TC LL	30.0 PSF	REF	R8228- 40100
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141003
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24991
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40101
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141071
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25207
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T7J8228Z02

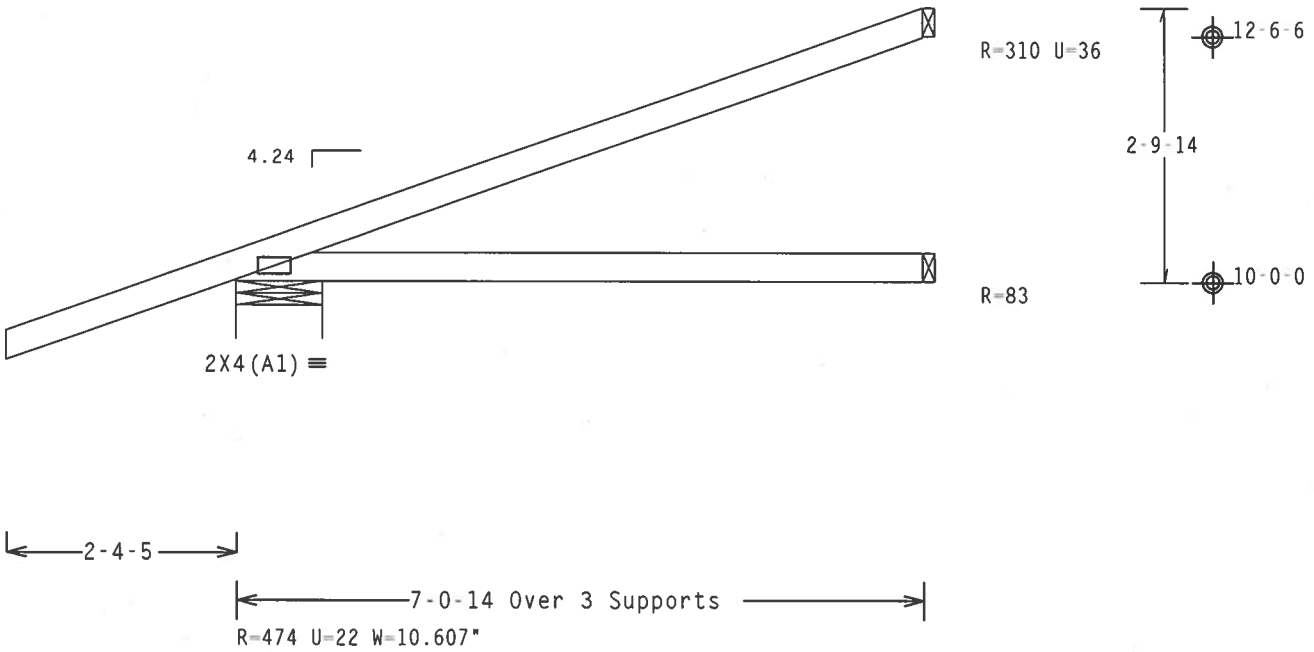
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 5-0-0 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40102
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141070
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25013
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 5.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 5.00
BC - 178 LB Conc. Load at 1.09
BC - 1516 LB Conc. Load at 3.06

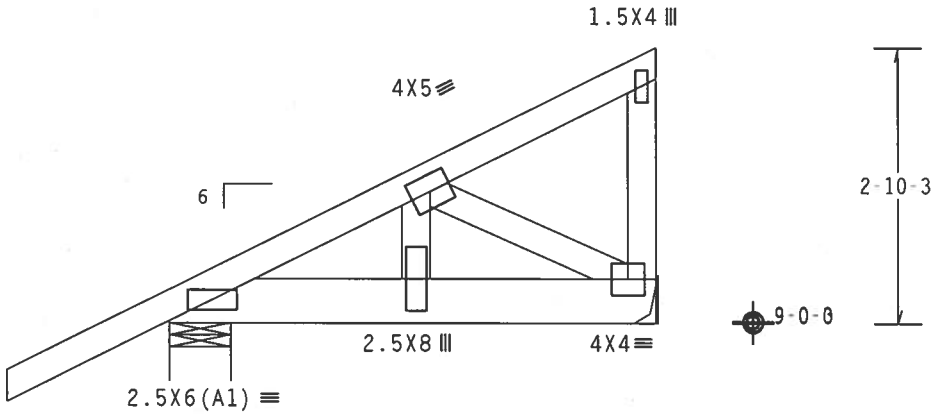
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

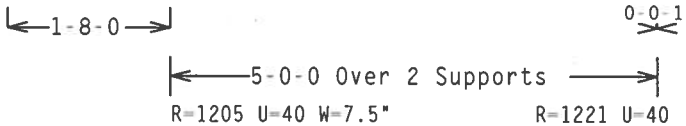
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40103
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141101
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25016
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

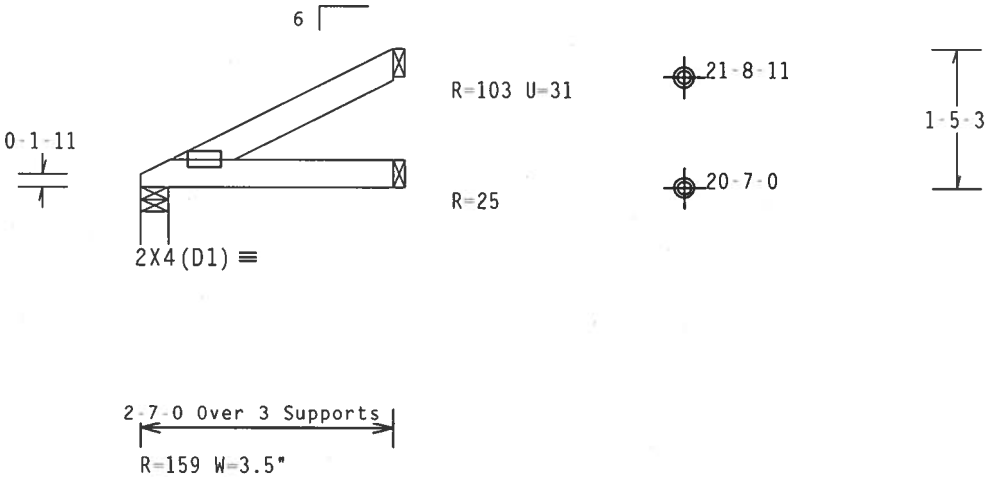
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - CJ2)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.45 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 [illegible]TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
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Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40104
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141017
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25023
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

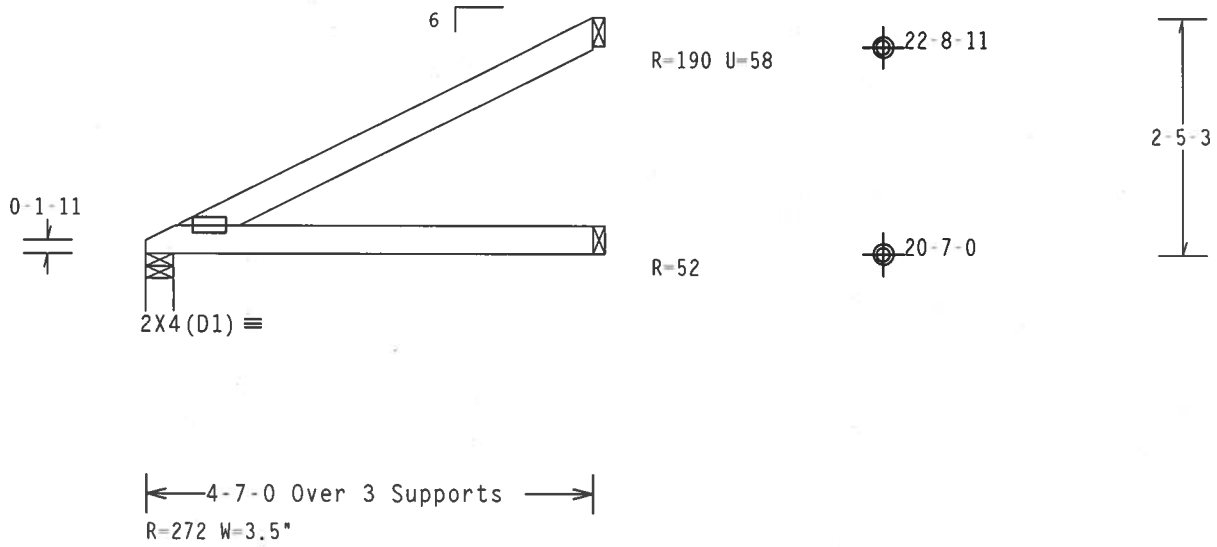
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - CJ4)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.95 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

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May 21 '07

TC LL	30.0 PSF	REF	R8228- 40105
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141016
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25026
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - CJ6)

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

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

Wind reactions based on MWFRS pressures.

110 mph wind, 22.45 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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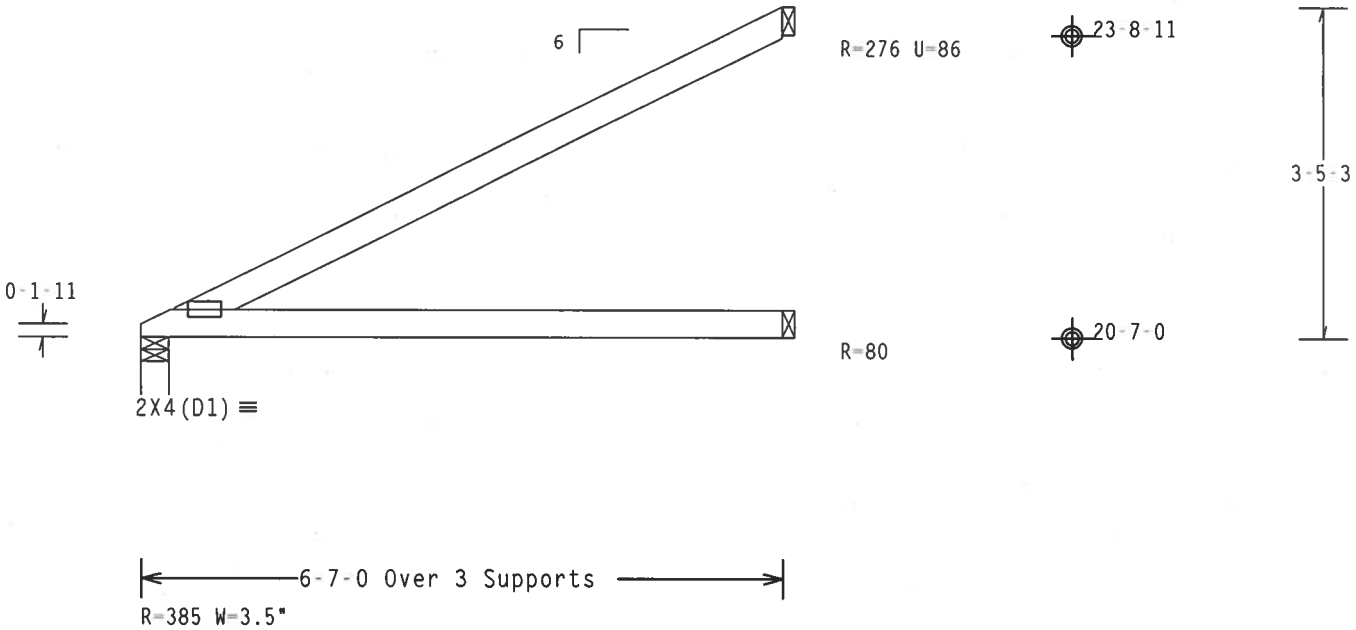

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

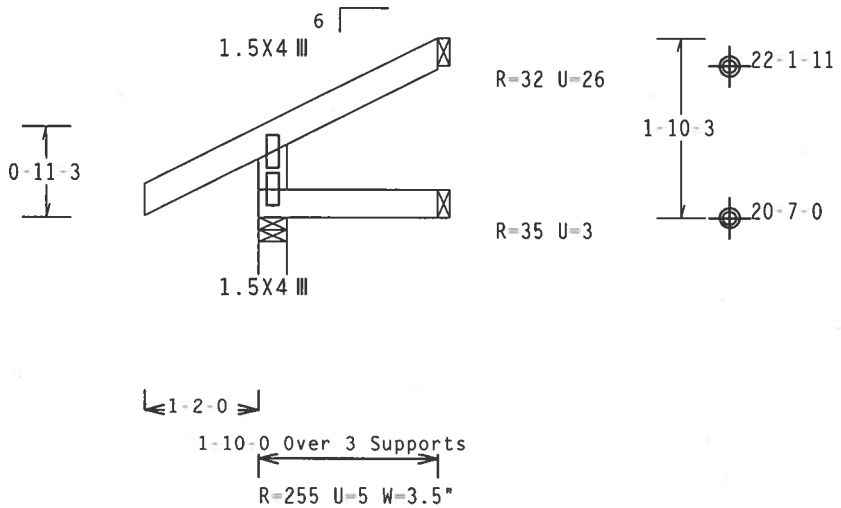
TC LL	30.0 PSF	REF R8228- 40106
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141015
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25029
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.68 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40107
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141011
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25032
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

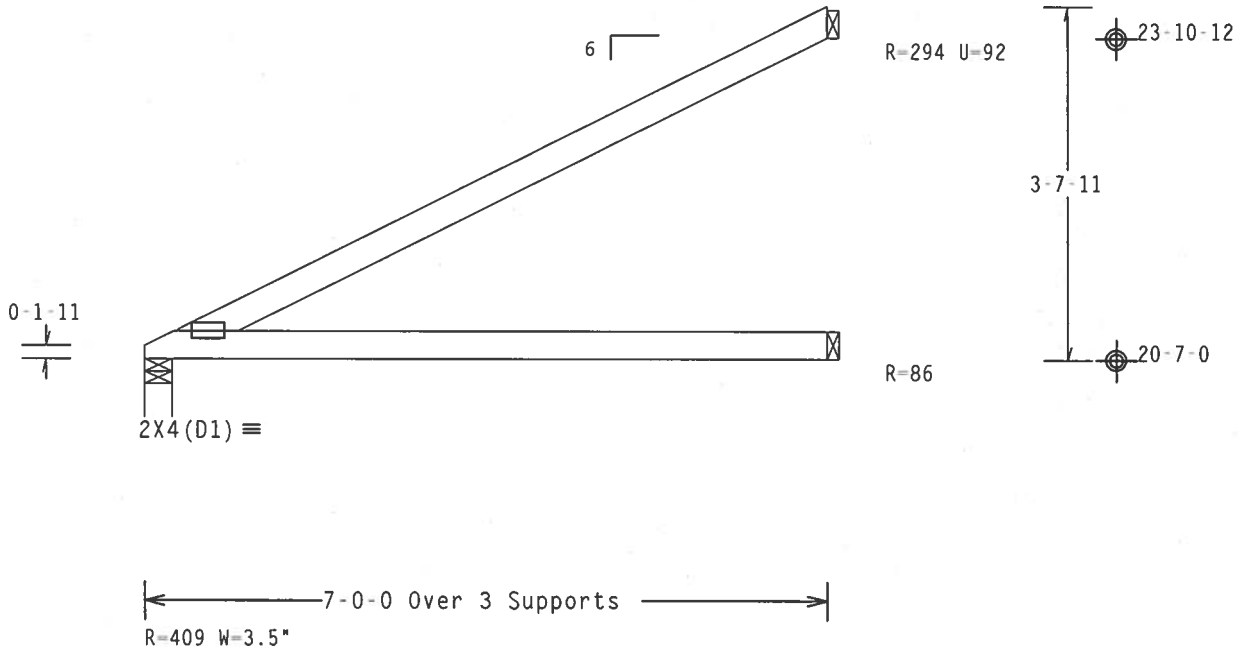
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - EJ7AAA)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 22.56 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40108
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141079
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25371
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

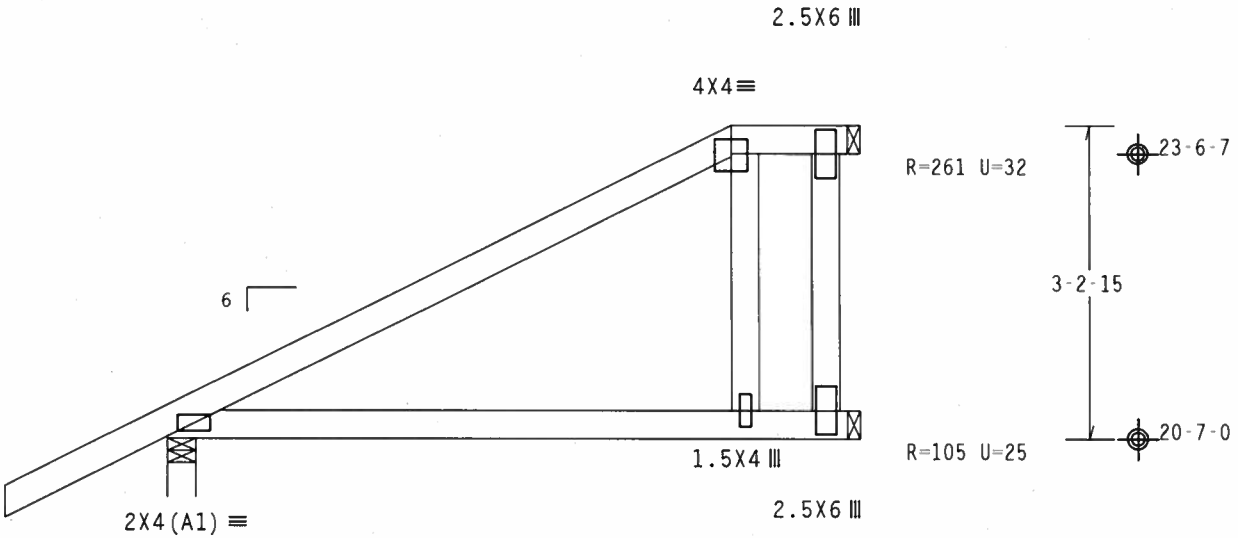
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 21.96 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40109
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141086
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25064
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - T2)

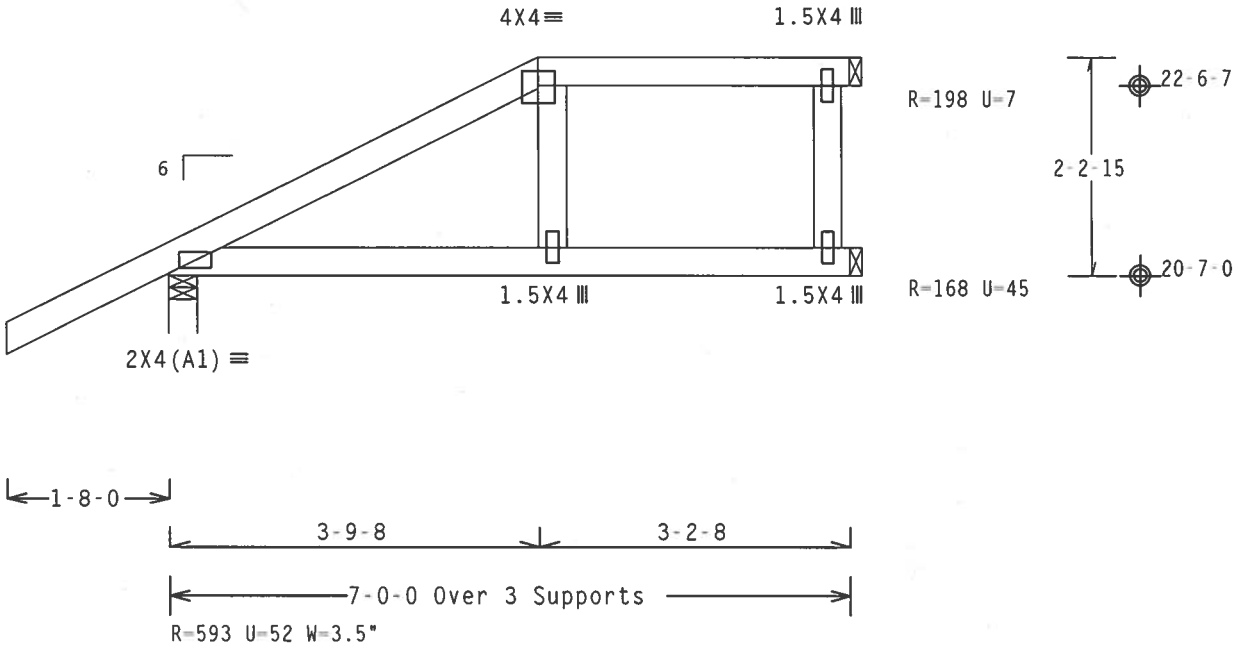
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 21.46 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

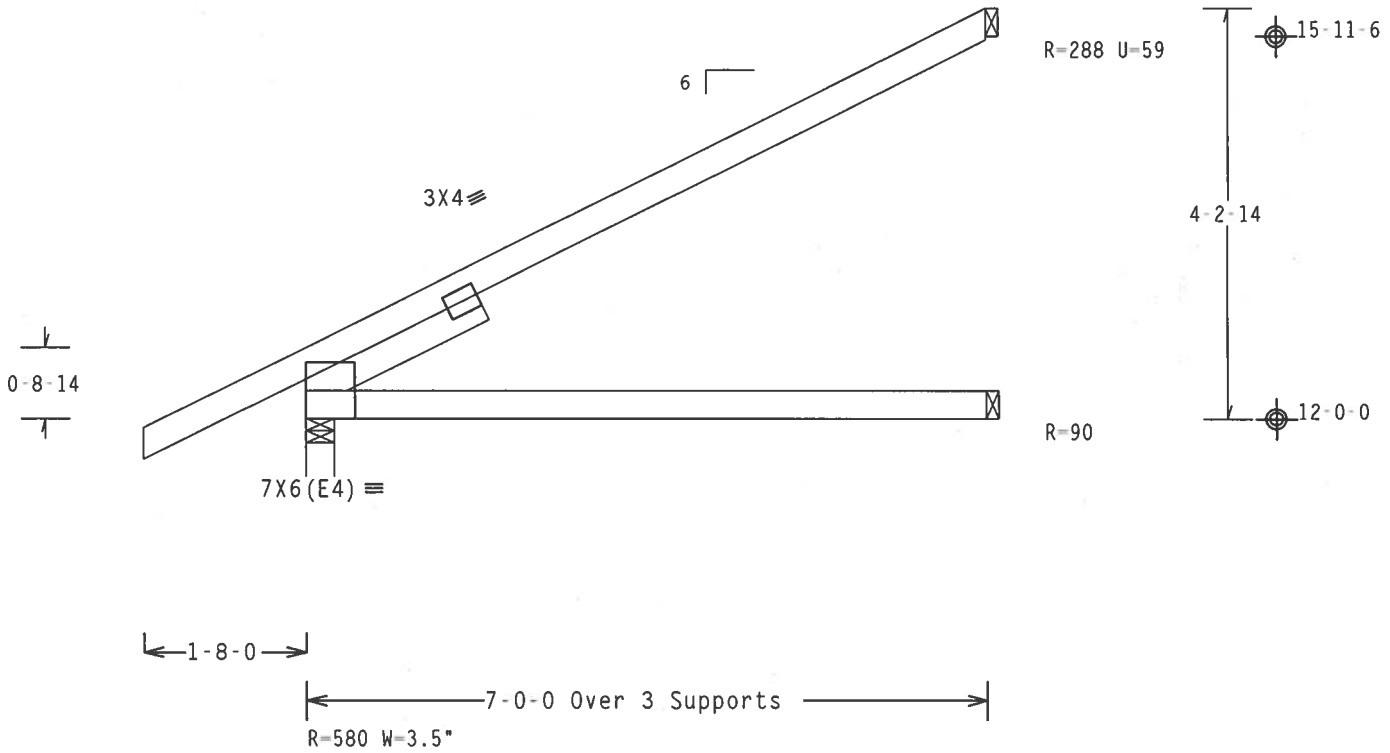
TC LL	30.0 PSF	REF R8228- 40110
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141085
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25061
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.011'

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAY 21 '07

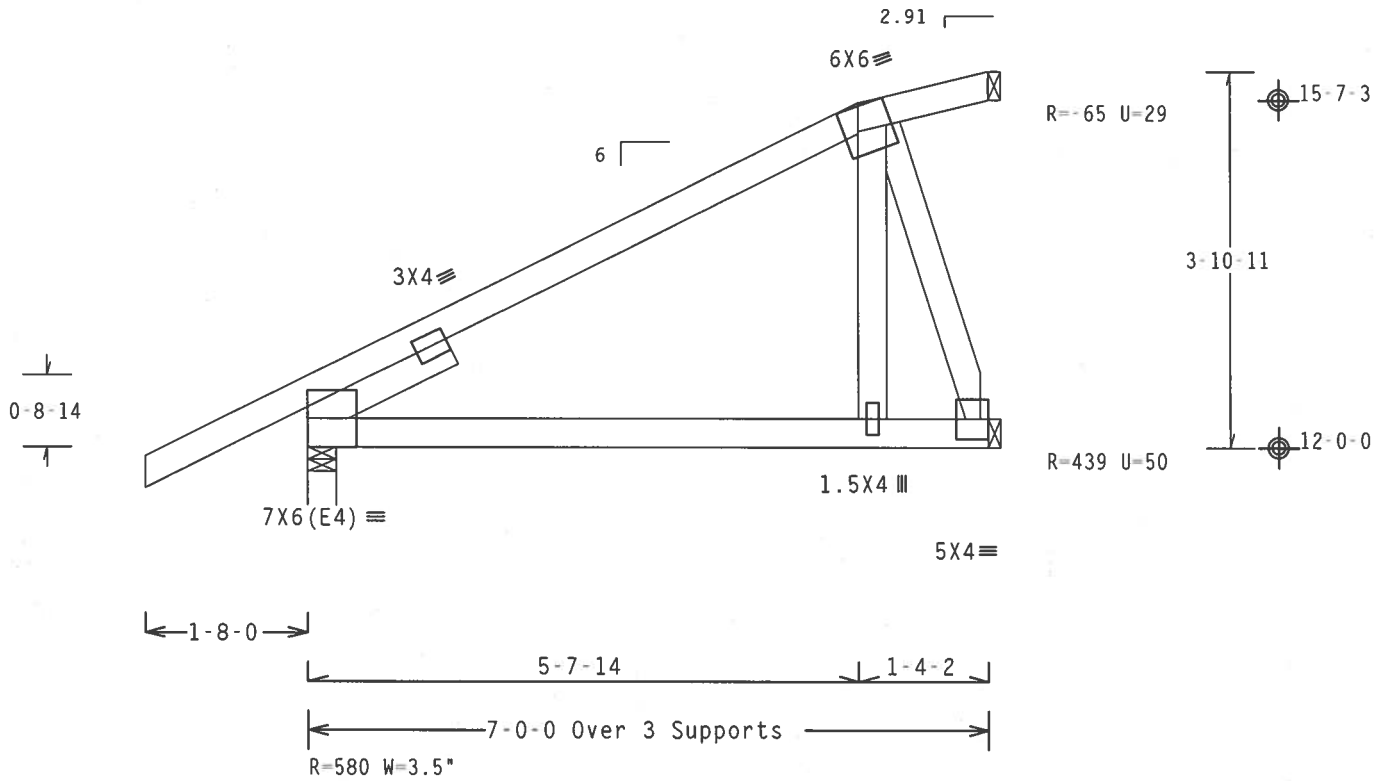
TC LL	30.0 PSF	REF	R8228- 40111
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25073
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.635'

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=7.5 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)/10(0) 7.36.0 [illegible] TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

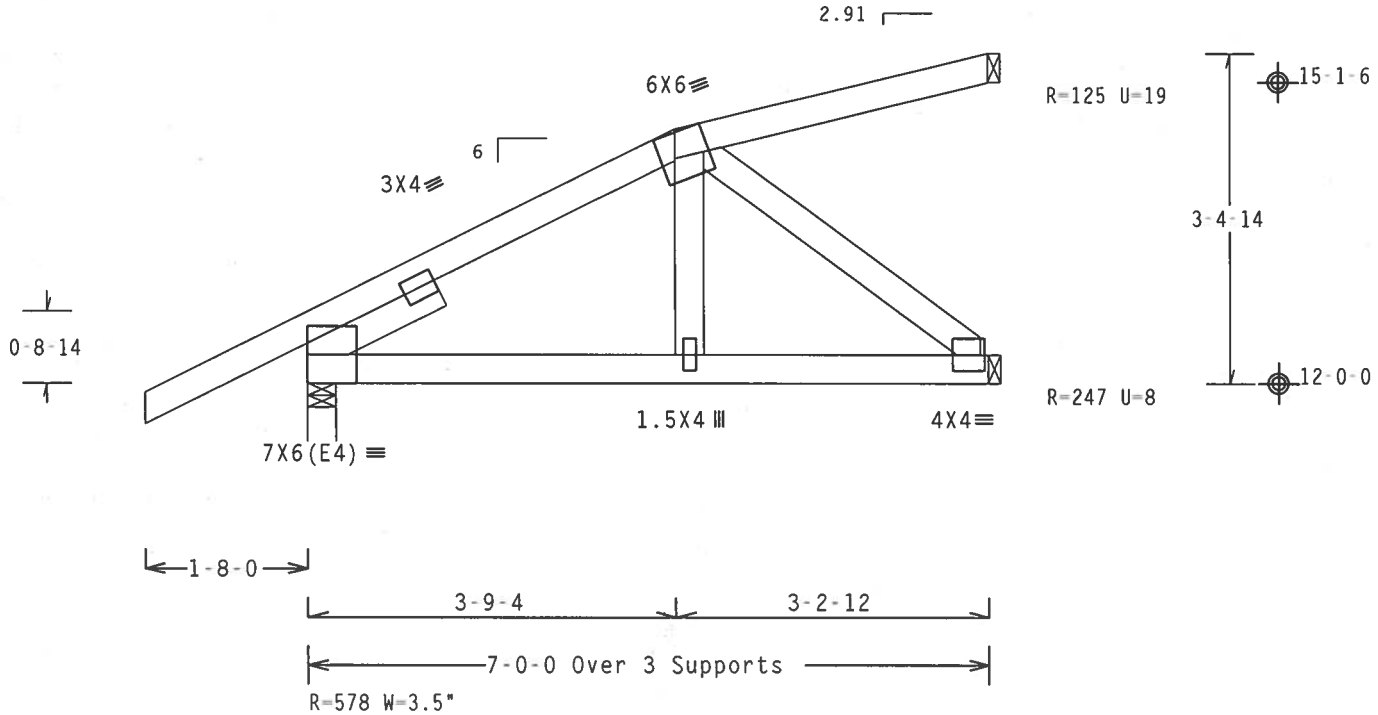
TC LL	30.0 PSF	REF R8228- 40112
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141040
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25085
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

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=7.5 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)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40113
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25088
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - JJ1)

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

Wind reactions based on MWFRS pressures.

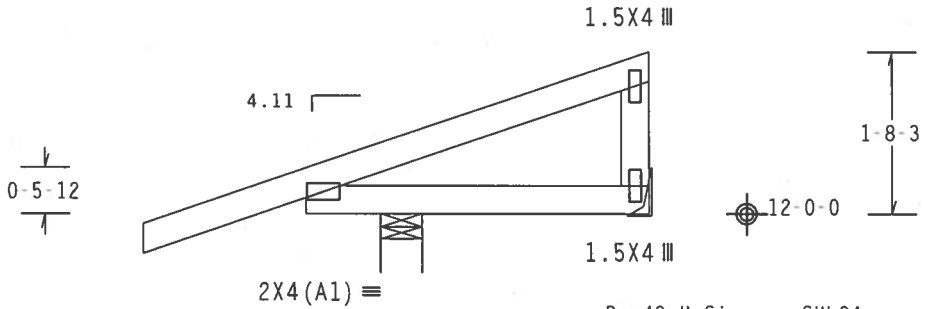
Sub-fascia beam assumptions: 3-8-0 sub-fascia beam on the 0-6-8 cantilever side. 3-8-0 sub-fascia beam on the 0-6-8 cantilever side.

Hipjack supports 2-5-14 setback jacks with 0-6-8 cantilever one face; 0-6-8 cantilever opposite face.

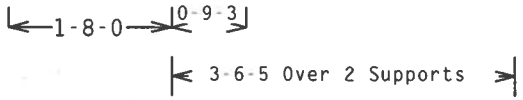
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

The following trusses need concentrated loads at the end of their overhangs: 2-5-14 span/setback member on the 0-6-8 cant side requires 29 lbs and the 2-5-14 span/setback member on the 0-6-8 cant side requires 29 lbs.

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



R=-43 H=Simpson SUL24
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)



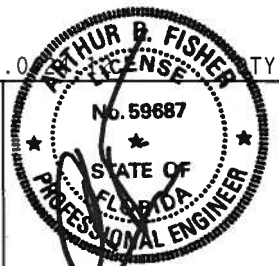
R=296 U=21 W=5.107"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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.

IMPORTANT FURNISH 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.



May 21 '07

TC LL	30.0 PSF	REF R8228- 40114
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141002
BC LL	0.0 PSF	HC-ENG RA/AF
TOT.LD.	55.0 PSF	SEQN- 25091
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

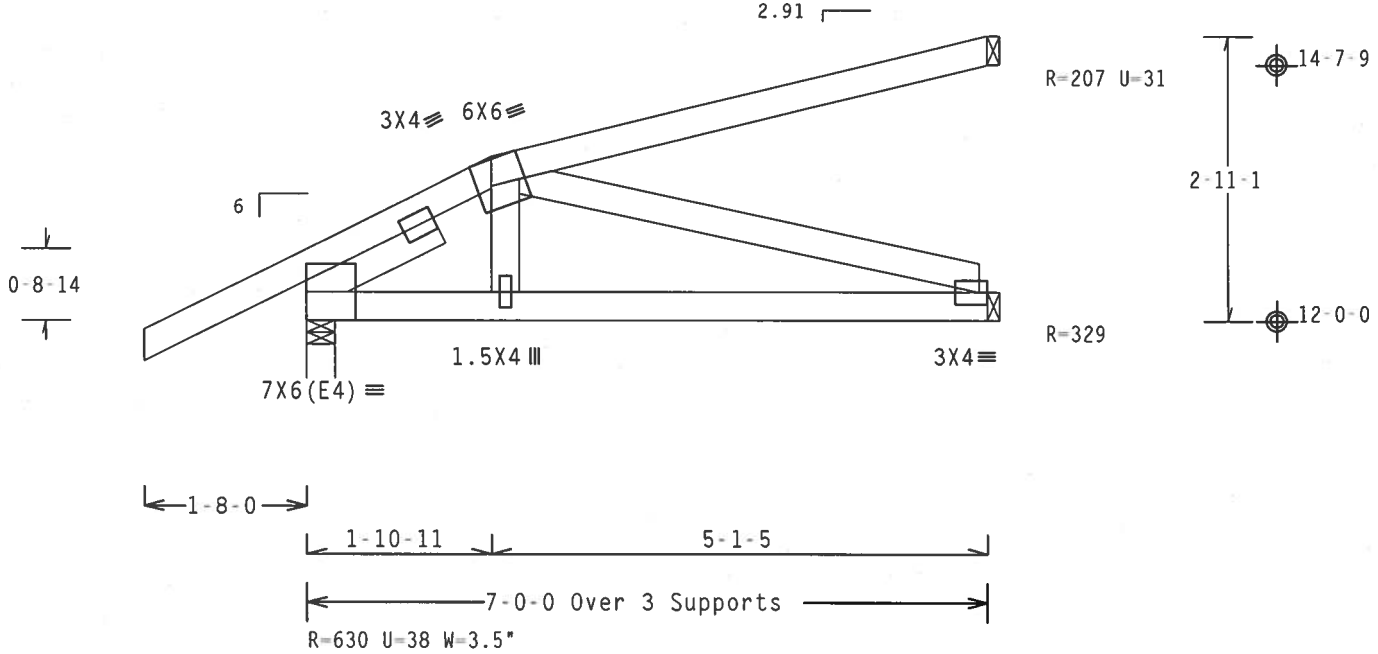
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 1.89
TC - From 91 PLF at 1.89 to 91 PLF at 7.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - -43 LB Conc. Load at 1.98
BC - 265 LB Conc. Load at 4.72

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.[illegible]12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 562

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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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40115
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141046
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25094
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - J11)

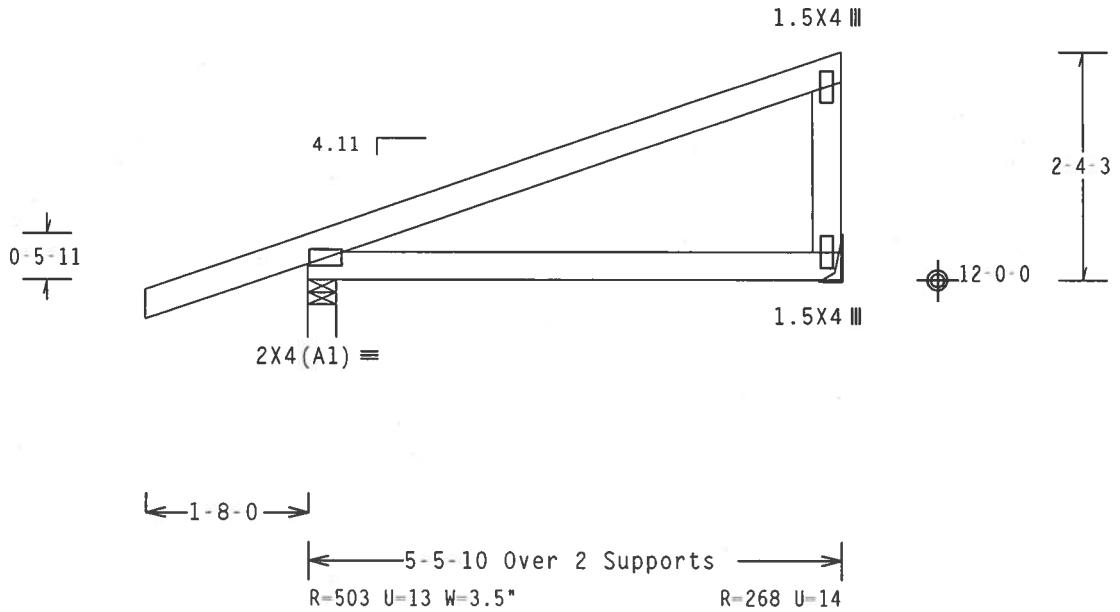
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40116
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141049
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25135
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

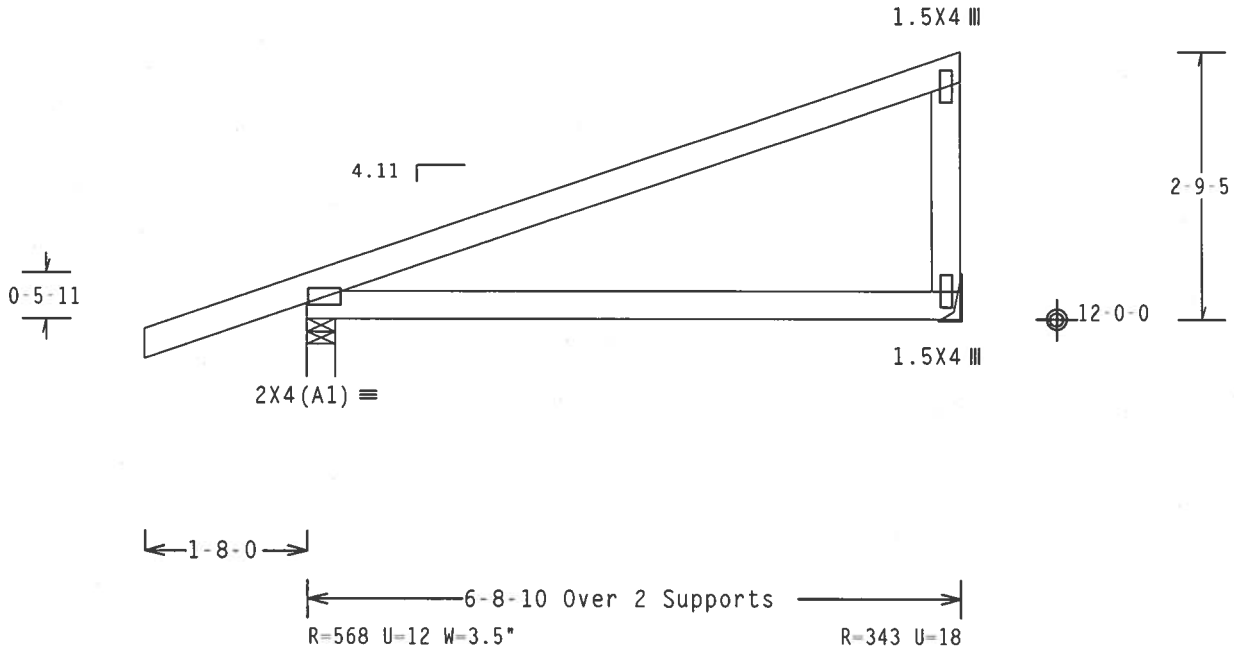
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 58687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 07

TC LL	30.0 PSF	REF	R8228- 40117
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141050
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25138
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

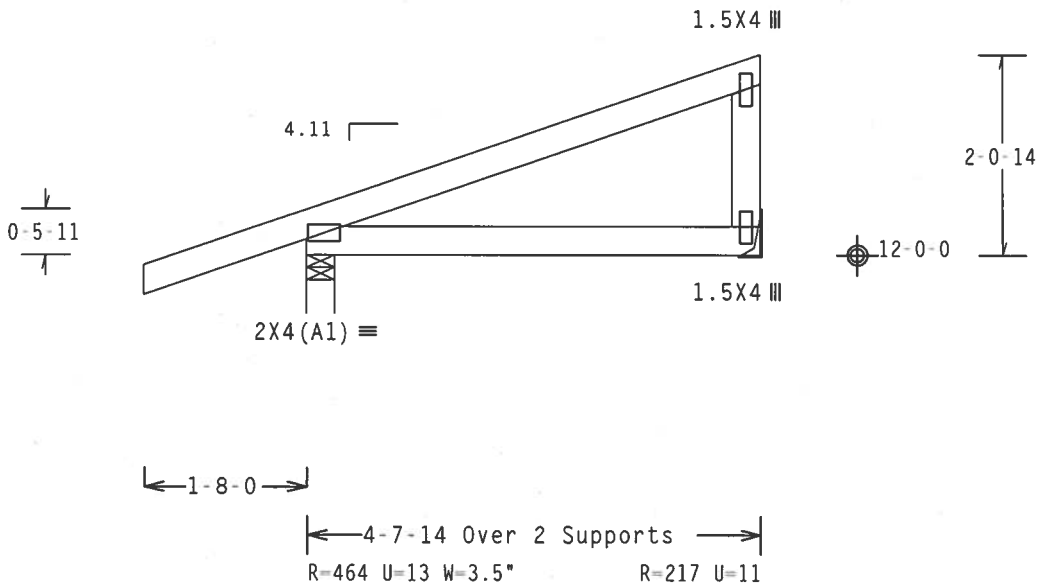
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

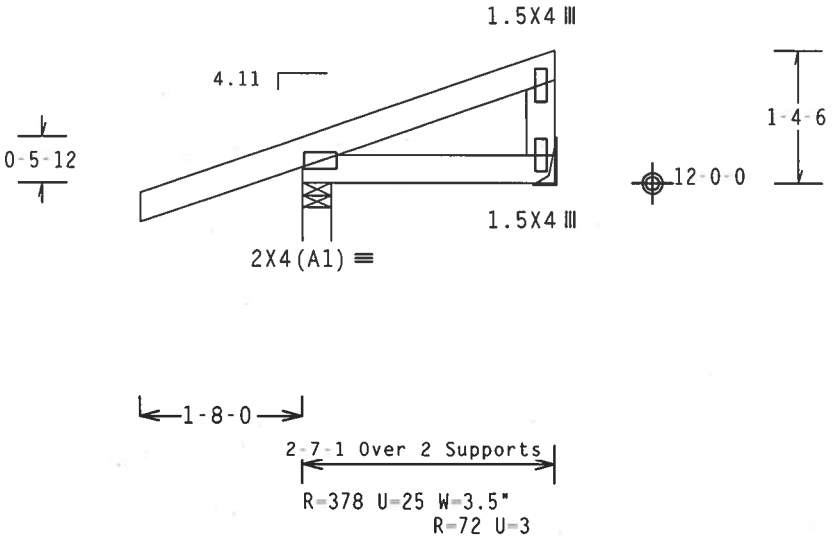
TC LL	30.0 PSF	REF R8228- 40118
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141051
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25132
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40119
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141052
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25142
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

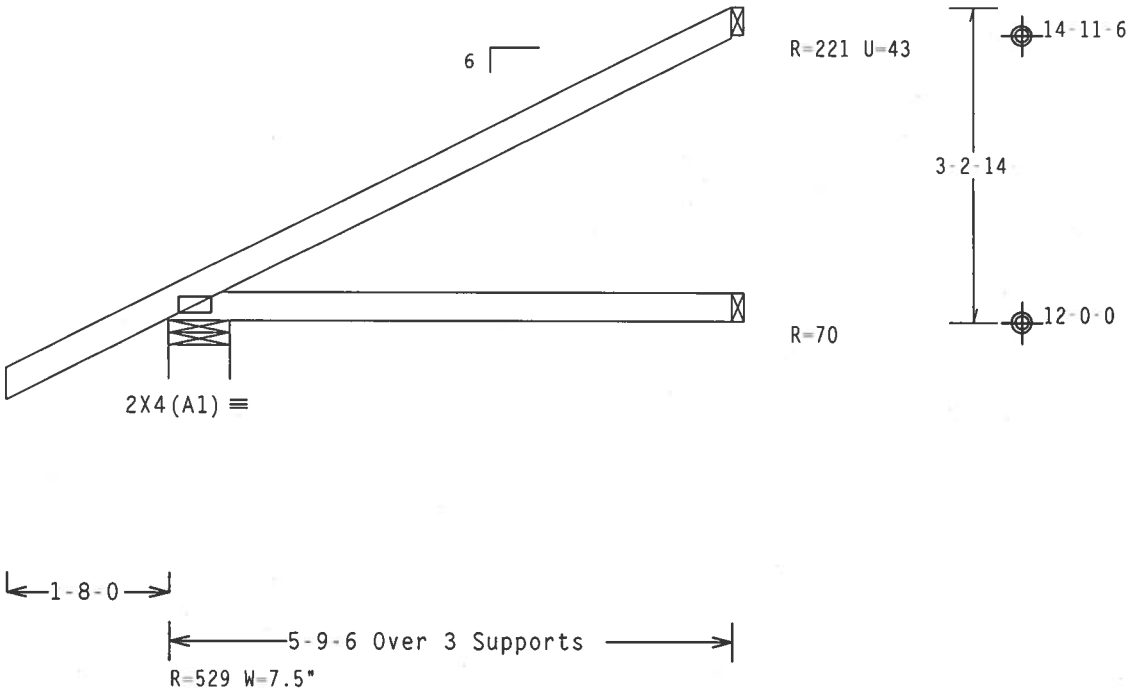
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - J5)

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

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40120
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141032
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25146
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - JJ2)

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

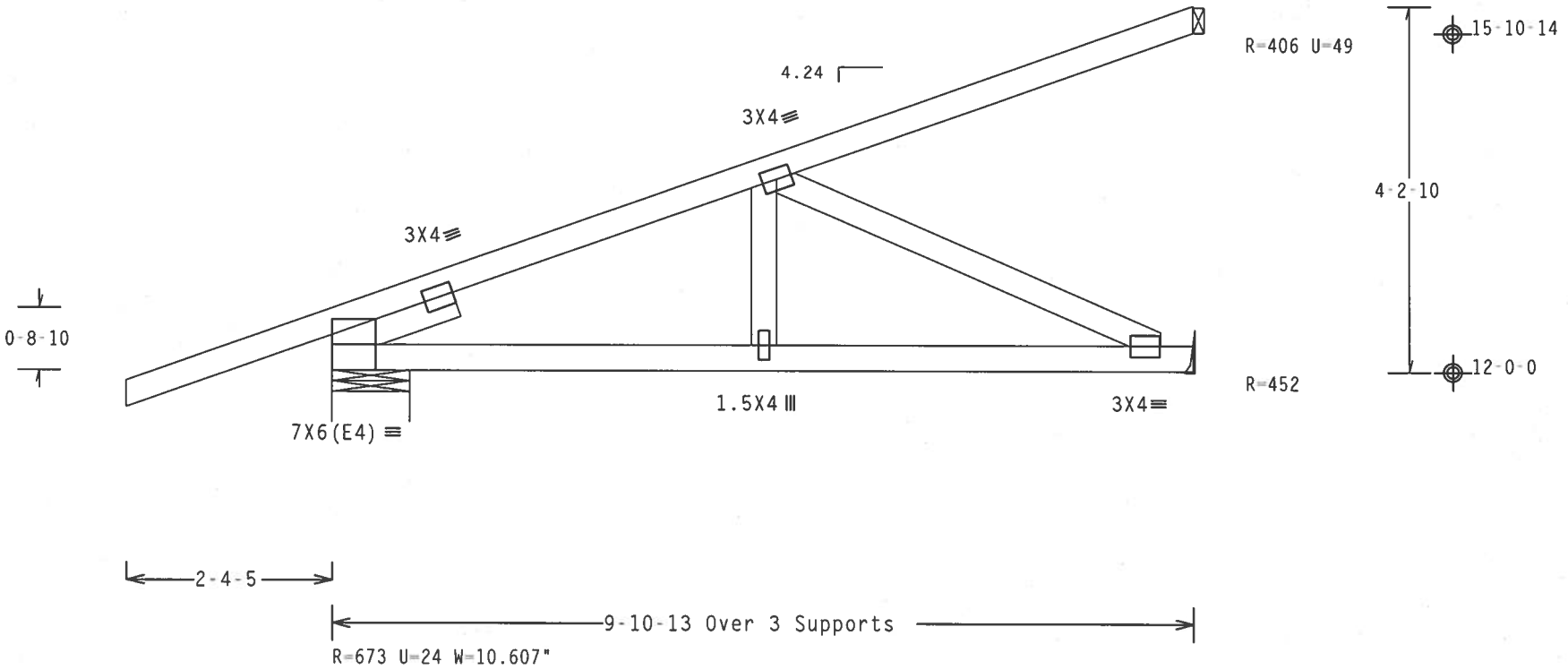
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Hipjack supports 7-0-0 setback jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

IMPORTANT FURNISH 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 (I) 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.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF R8228- 40121
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141031
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25149
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

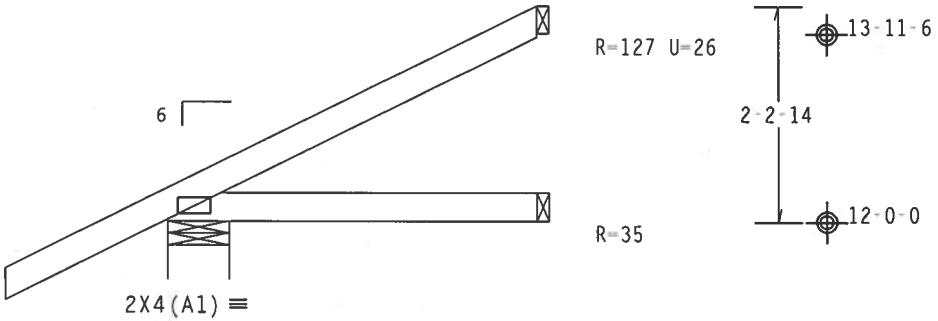
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - J3)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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



1-8-0

3-9-6 Over 3 Supports
R=431 U=3 W=7.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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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-2. 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.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

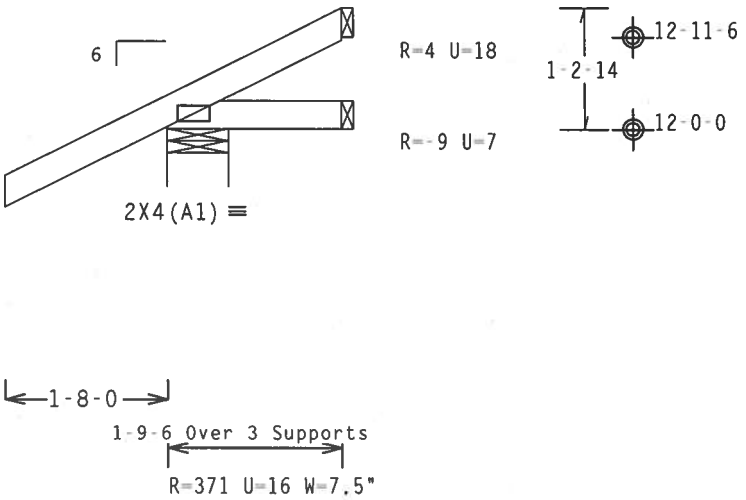
TC LL	30.0 PSF	REF	R8228- 40122
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141033
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25153
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

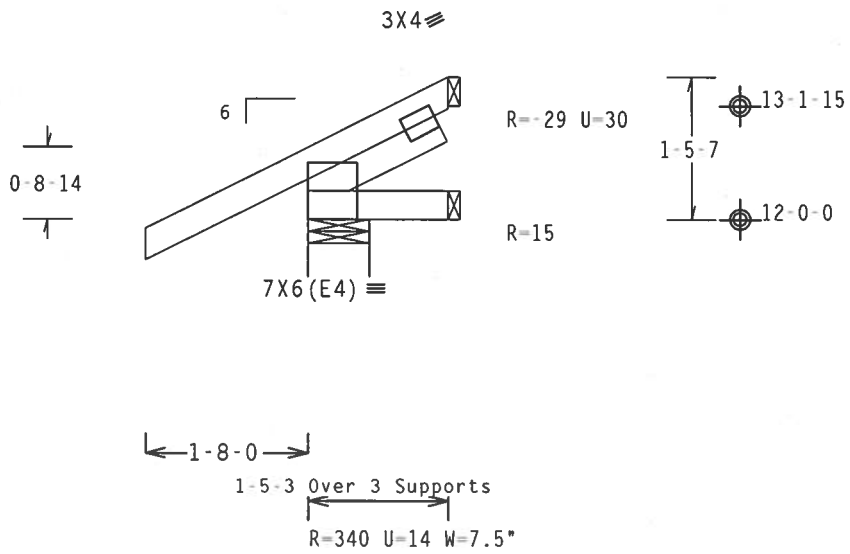
TC LL	30.0 PSF	REF	R8228- 40123
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141034
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25157
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

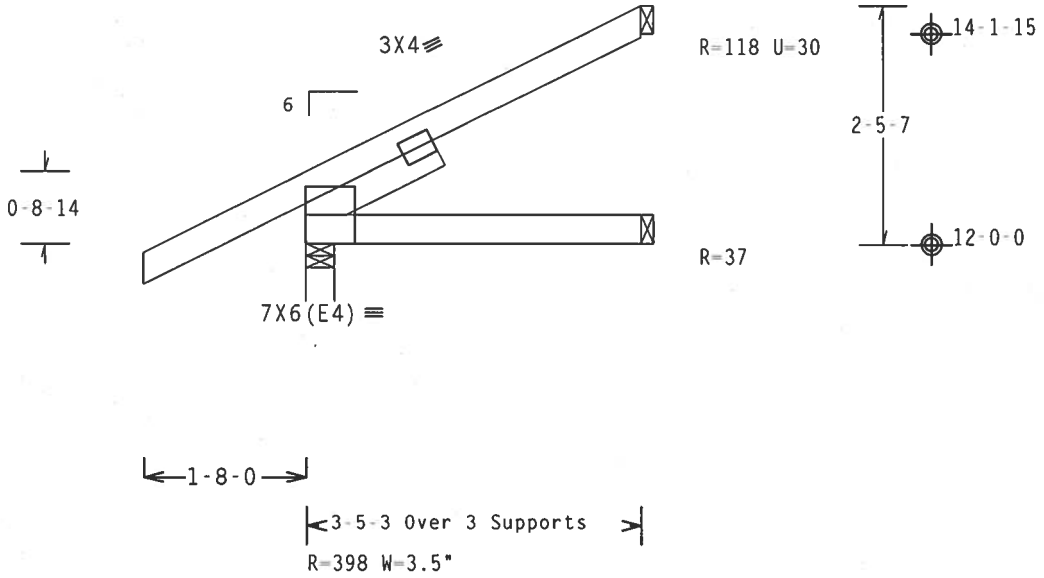
TC LL	30.0 PSF	REF	R8228- 40124
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141026
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25160
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

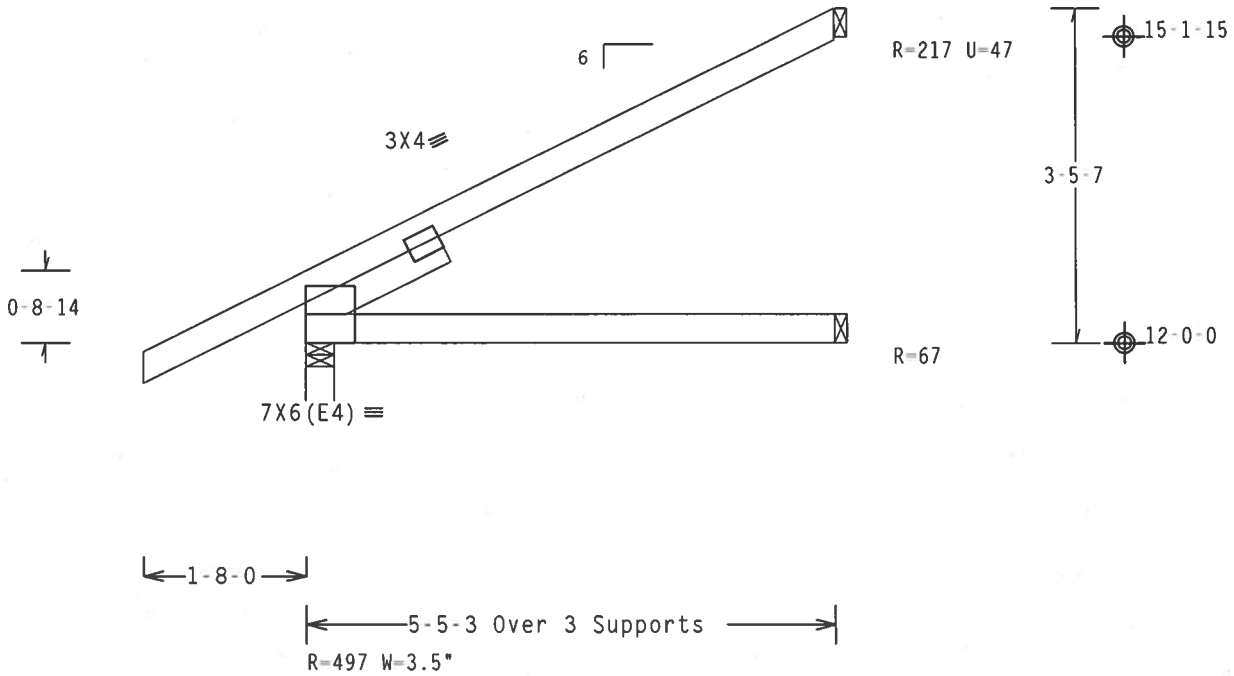
TC LL	30.0 PSF	REF R8228- 40125
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141036
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 25163
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.573'

Wind reactions based on MWFRS pressures.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 07

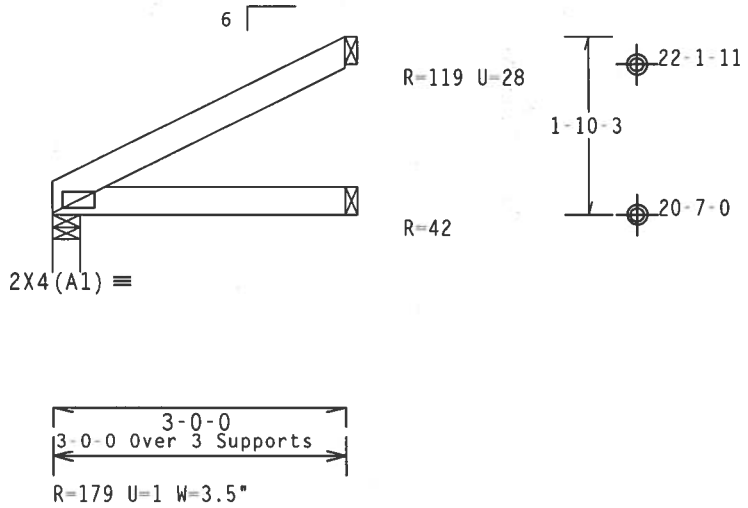
TC LL	30.0 PSF	REF	R8228- 40126
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141035
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25166
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

Wind reactions based on MWFRS pressures.

110 mph wind, 21.68 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40127
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141104
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25280
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - HJ1)

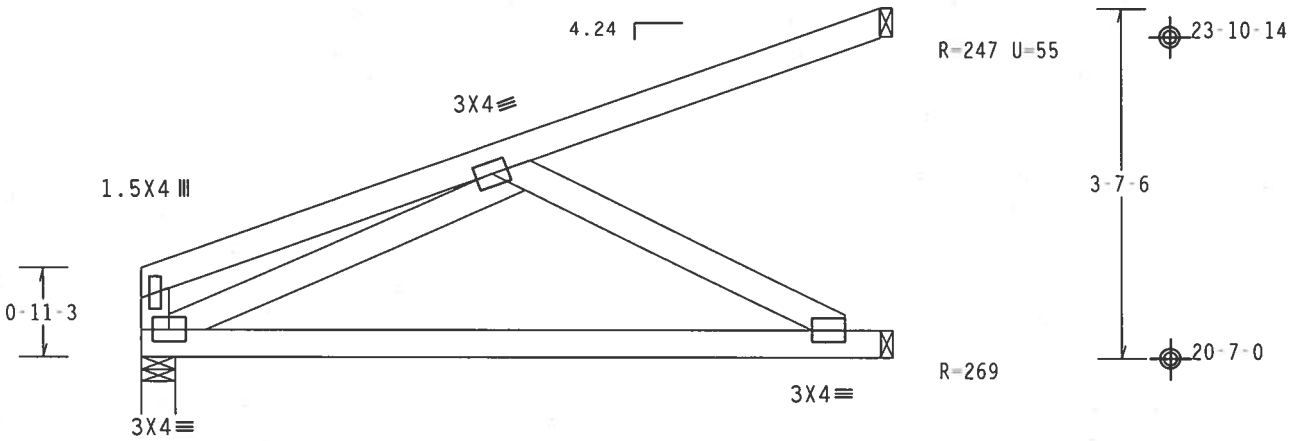
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 22.86 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 5-4-7 setback jacks with no webs.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 QTY:1 FL/-/4/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40128
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141099
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN-	25367
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	94 PLF	at	-1.67	to	94 PLF	at 3.25
TC - From	94 PLF	at	3.25	to	94 PLF	at 10.75
TC - From	94 PLF	at	10.75	to	94 PLF	at 15.67
BC - From	4 PLF	at	-1.67	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 14.00
BC - From	4 PLF	at	14.00	to	4 PLF	at 15.67

BC - 3245 LB Conc. Load at 7.06
BC - 1207 LB Conc. Load at 9.06, 11.06, 13.06

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

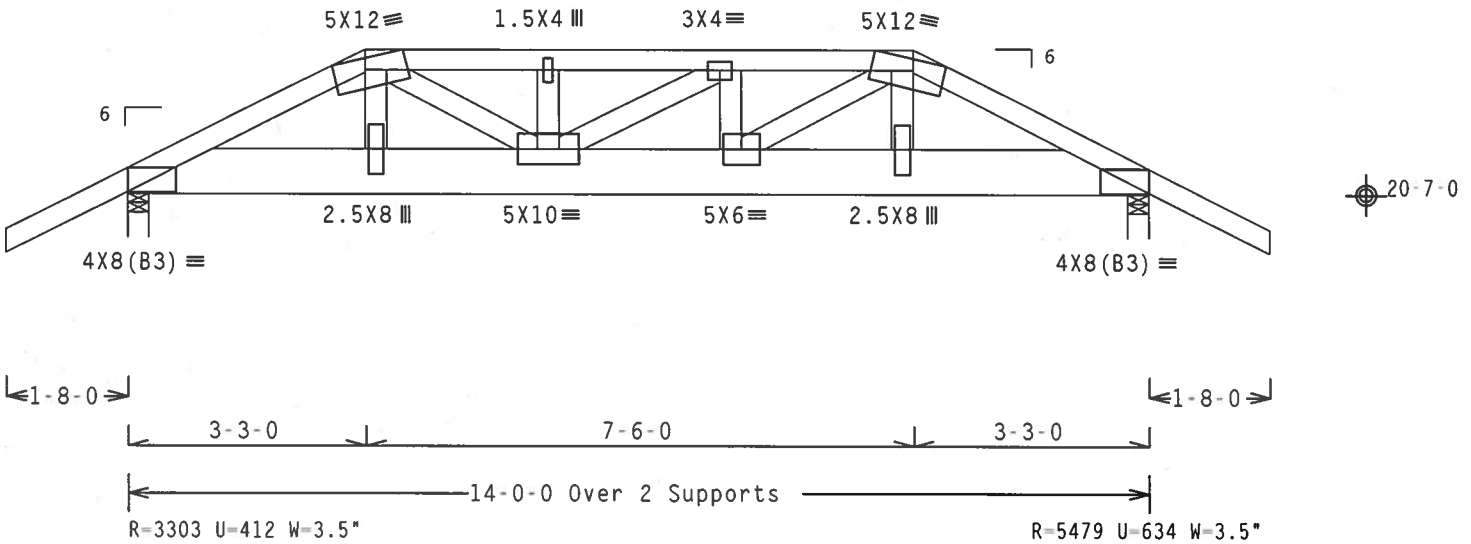
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 21.33 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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TC LL	30.0 PSF	REF	R8228- 40129
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141073
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24737
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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

110 mph wind, 21.26 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

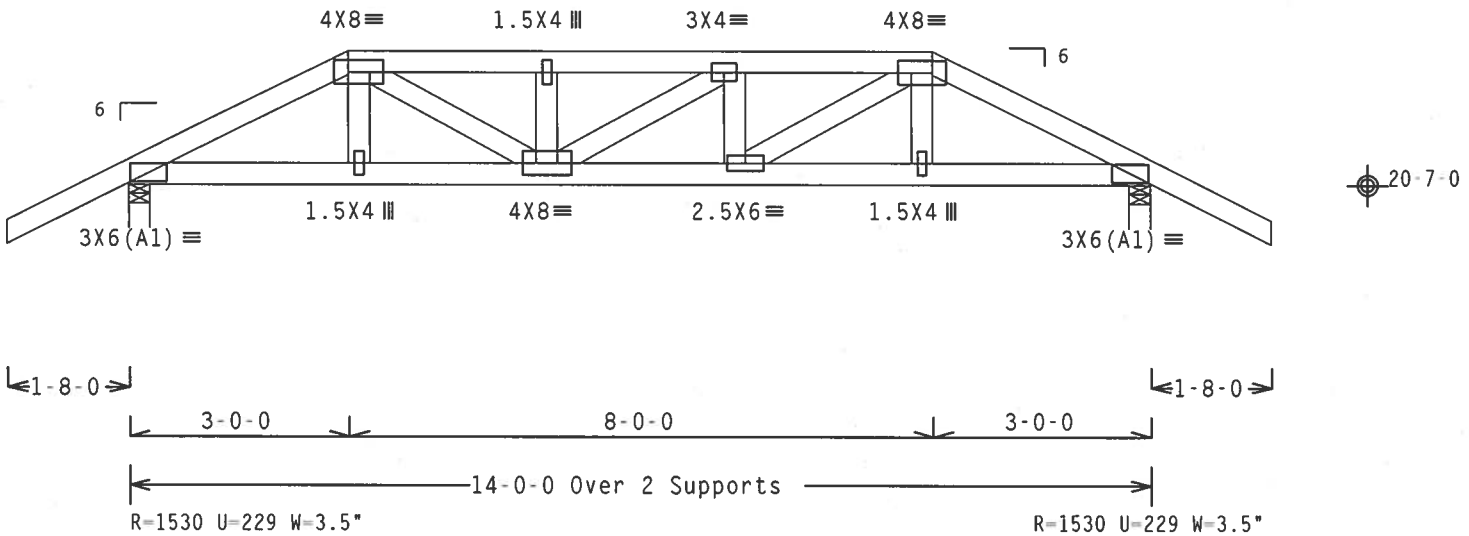
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	94 PLF	at	-1.67	to	94 PLF	at 3.00
TC	From	94 PLF	at	3.00	to	94 PLF	at 11.00
TC	From	94 PLF	at	11.00	to	94 PLF	at 15.67
BC	From	4 PLF	at	-1.67	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 14.00
BC	From	4 PLF	at	14.00	to	4 PLF	at 15.67

TC - 157 LB Conc. Load at 3.06, 10.94
TC - 86 LB Conc. Load at 5.06, 7.00, 8.94
BC - 157 LB Conc. Load at 3.06, 10.94
BC - 86 LB Conc. Load at 5.06, 7.00, 8.94



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

ALPINE

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

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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TC LL	30.0 PSF	REF	R8228- 40130
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141072
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25001
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

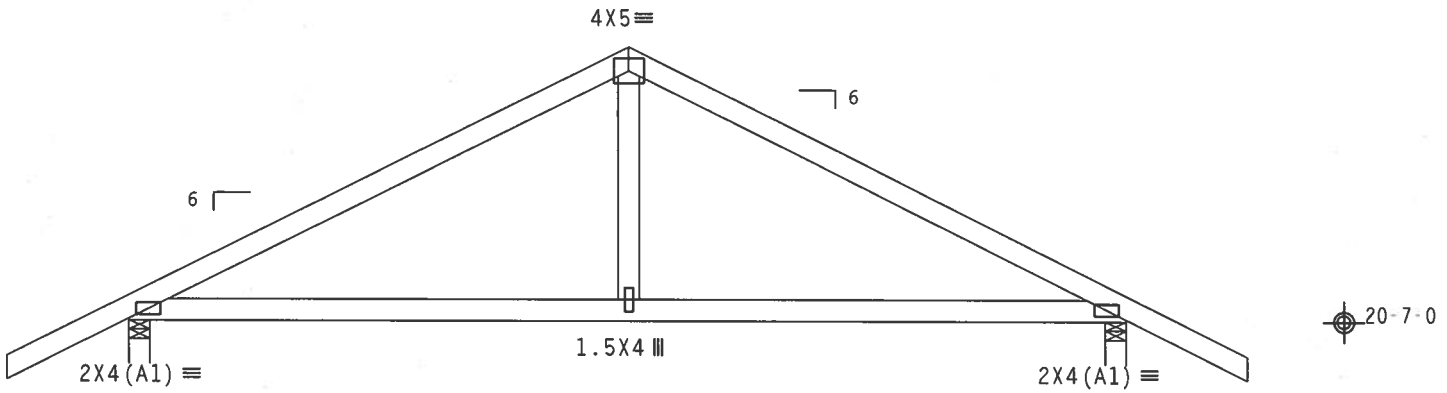
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - L1)

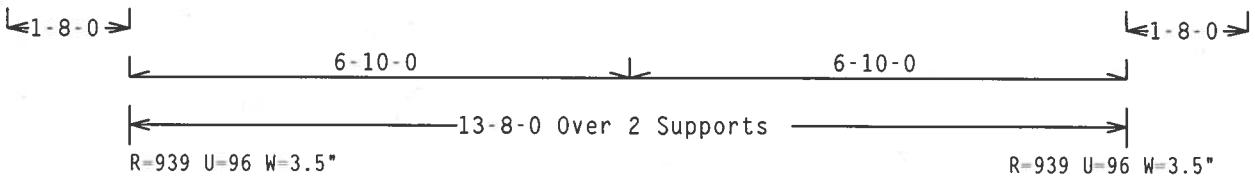
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 22.22 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #-662

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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TC LL	30.0 PSF	REF R8228- 40131
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141087
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24747
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

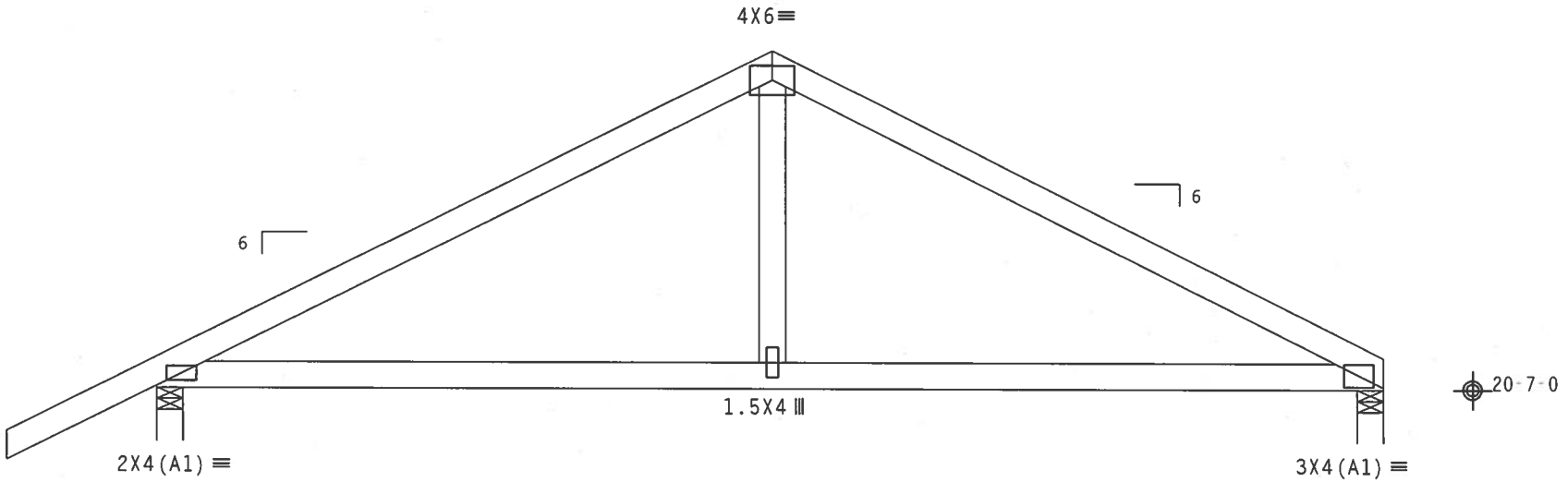
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - L2)

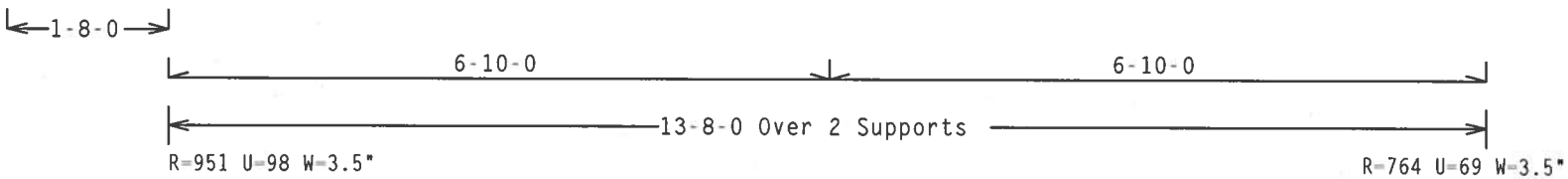
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 22.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40132
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141089
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24750
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

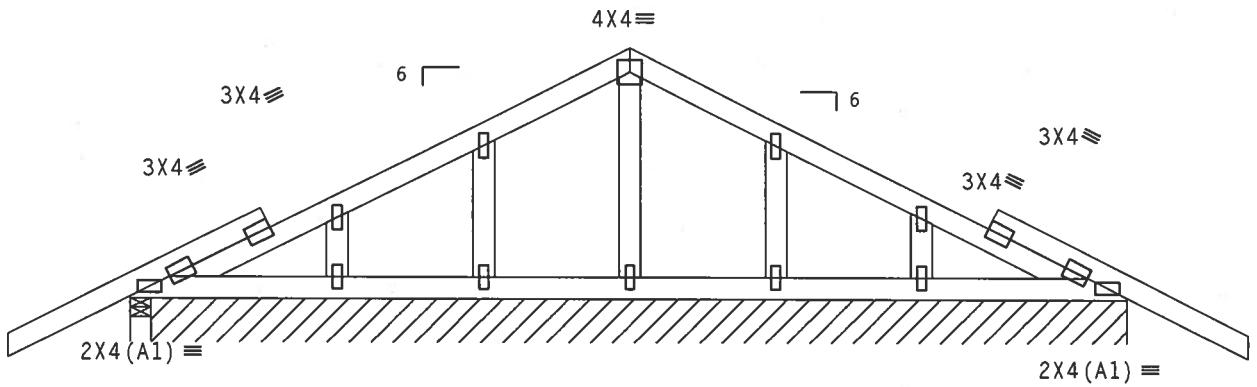
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

110 mph wind, 22.06 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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)/10(0) 7.36.0[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40133
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141076
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24759
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

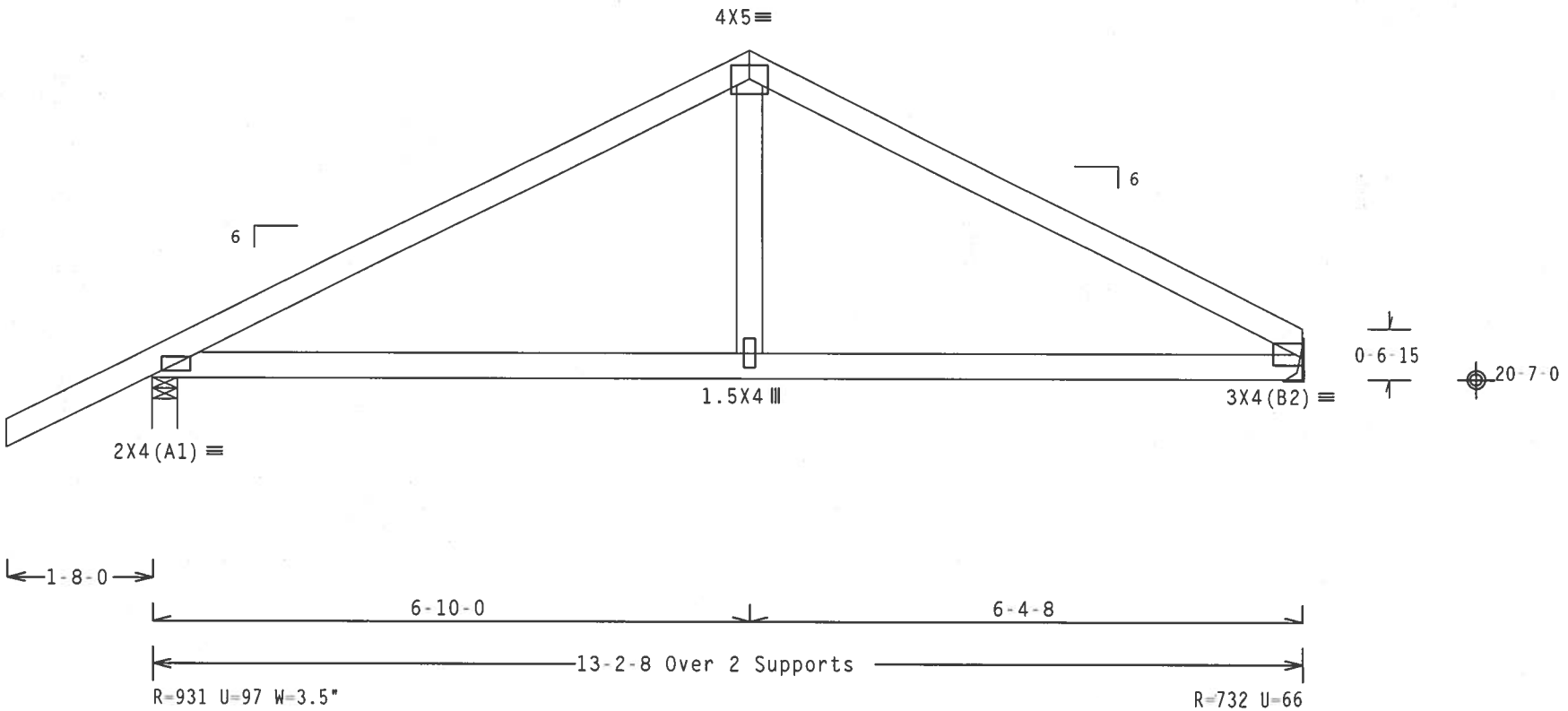
(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - L3)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 22.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
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TC LL	30.0 PSF	REF	R8228- 40134
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141023
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25258
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	4	Rigid Surface

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Wind reactions based on MWFRS pressures.

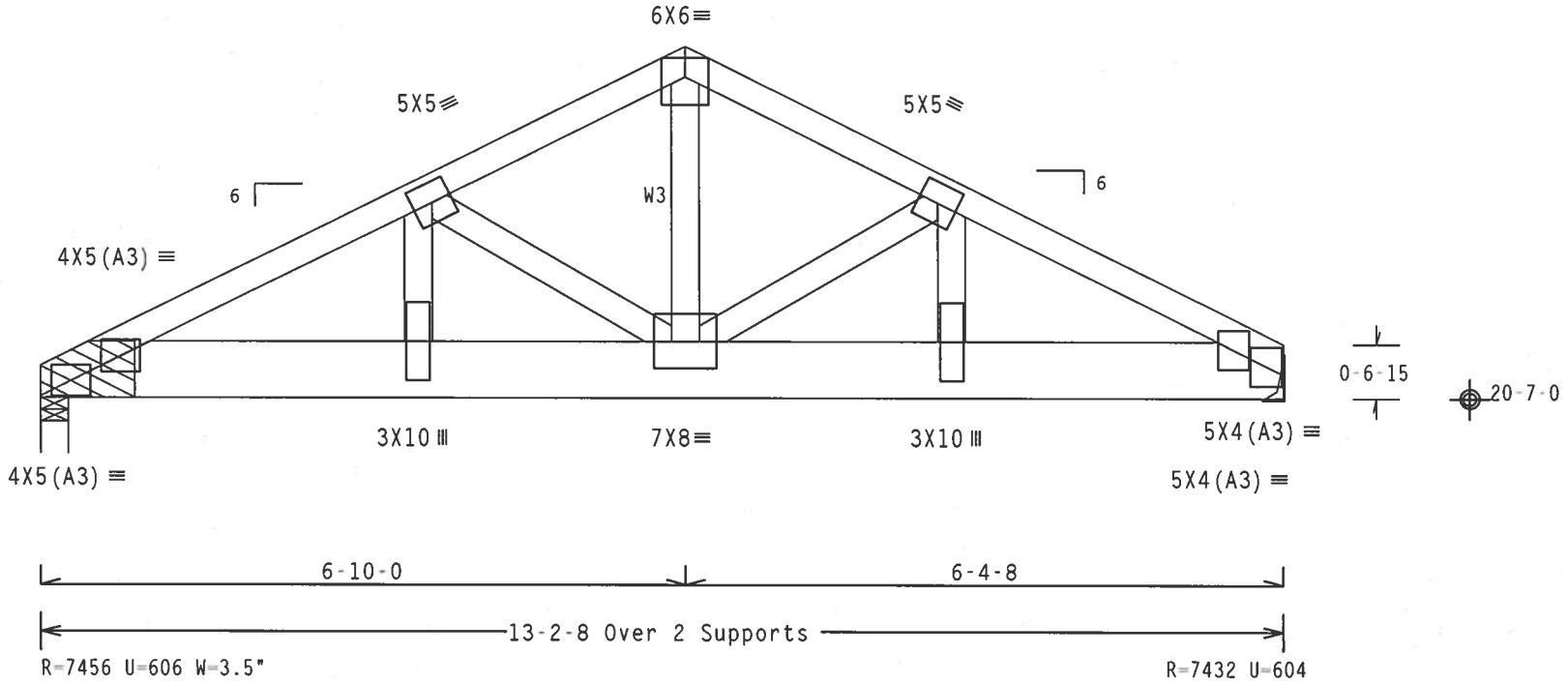
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 22.64 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Girder supports 38-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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FL Certificate of Authorization # 567

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IMPORTANT FURNISH 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.
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40135
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141003
BC LL	0.0 PSF	HC-ENG	RA/AF
TOT.LD.	55.0 PSF	SEQN-	25760
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 9.74
BC - From 20 PLF at 0.00 to 20 PLF at 9.74
BC - 1891 LB Conc. Load at 1.54, 3.54, 5.54, 7.54

Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach to each web ply with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

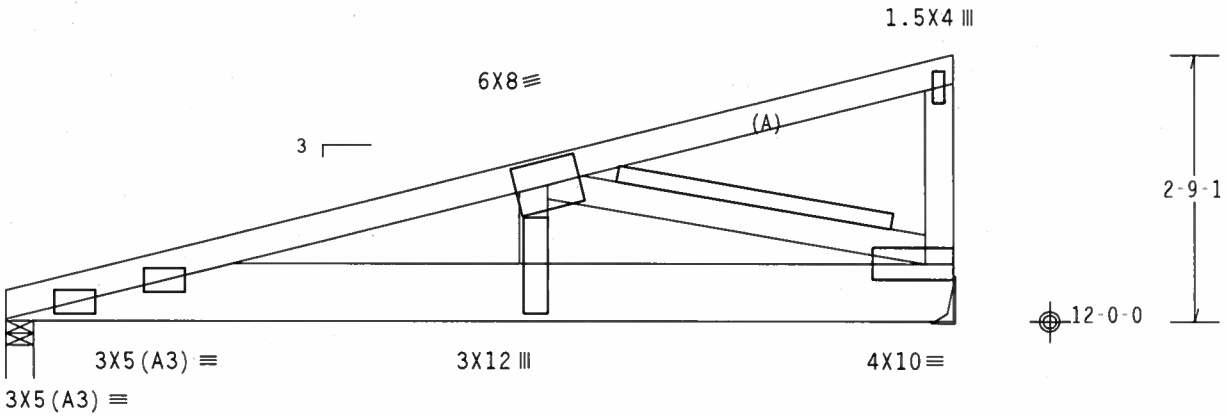
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



9-8-15 Over 2 Supports

R=4719 U=155 W=3.5" R=3925 U=129

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40136
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141025
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24654
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES.   , **   M2)

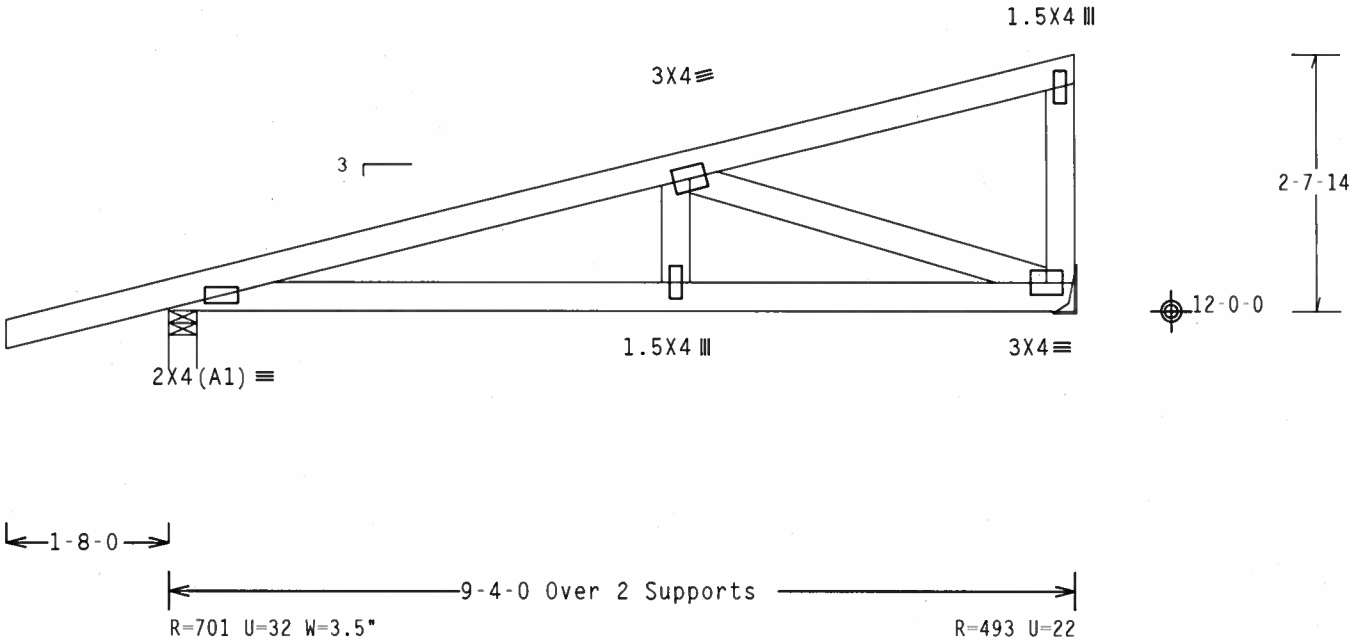
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF R8228- 40137
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141055
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24658
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - M3)

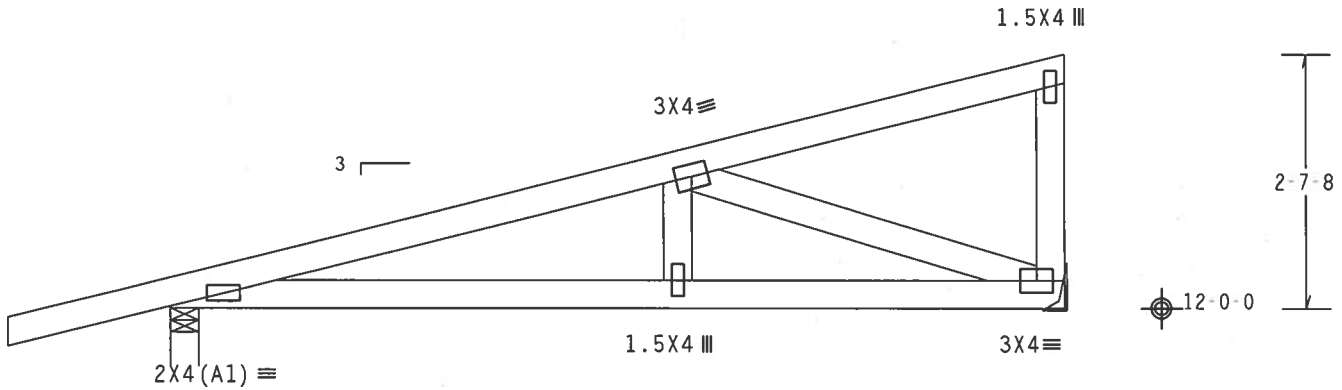
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



1-8-0

9-2-8 Over 2 Supports

R=694 U=32 W=3.5"

R=485 U=21

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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May 21,07

TC LL	30.0 PSF	REF	R8228- 40138
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141060
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24666
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

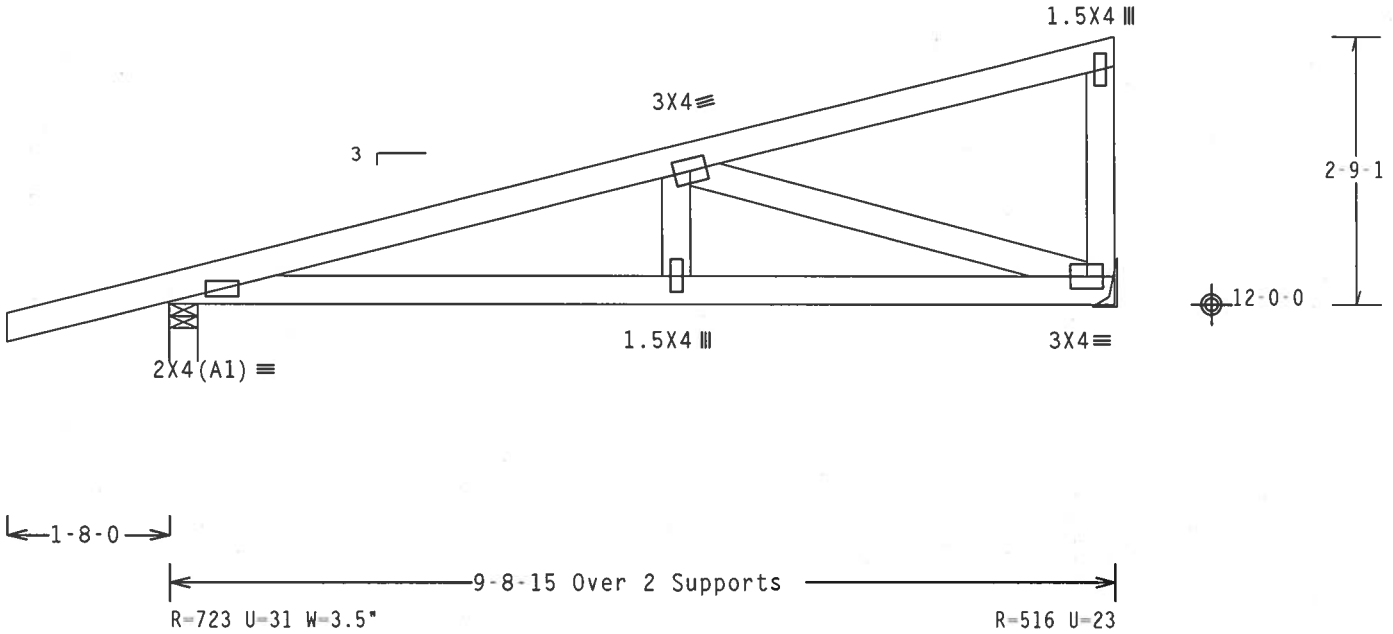
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 07

TC LL	30.0 PSF	REF	R8228- 40139
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141057
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24671
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - M5)

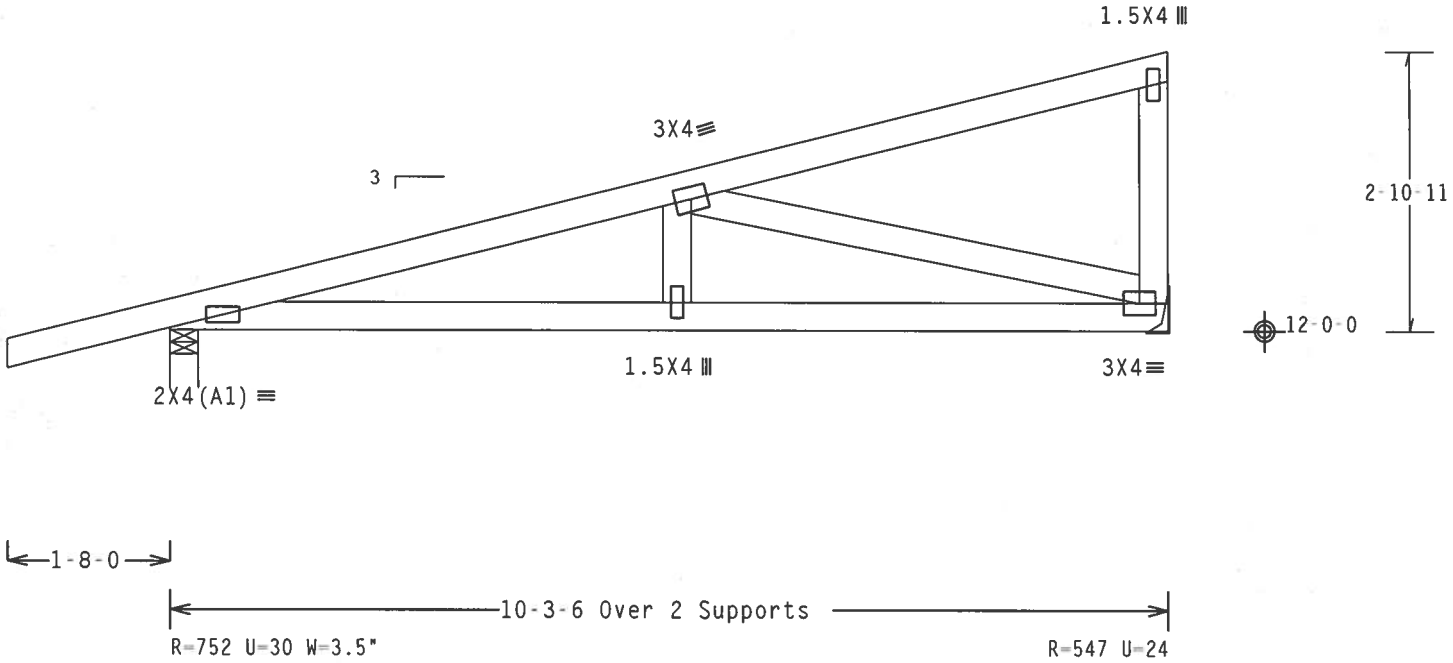
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40140
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141054
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24677
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

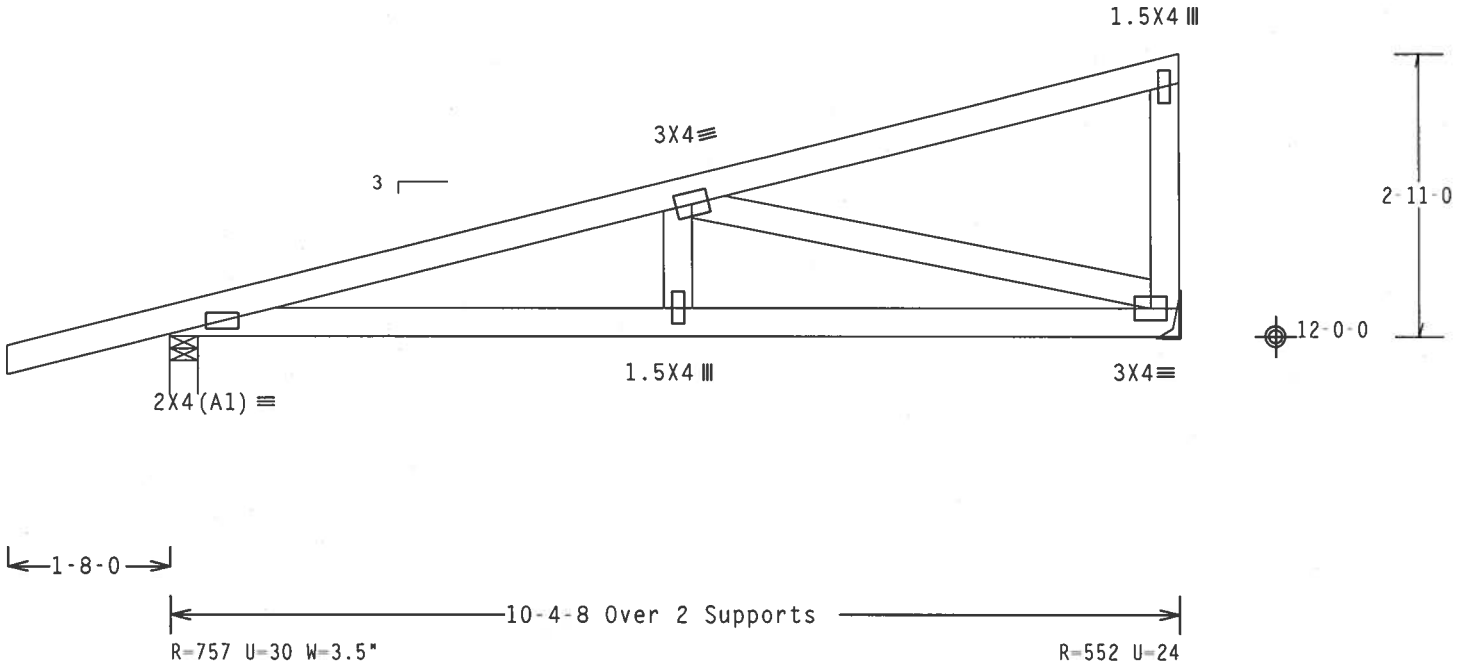
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40141
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141058
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24682
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

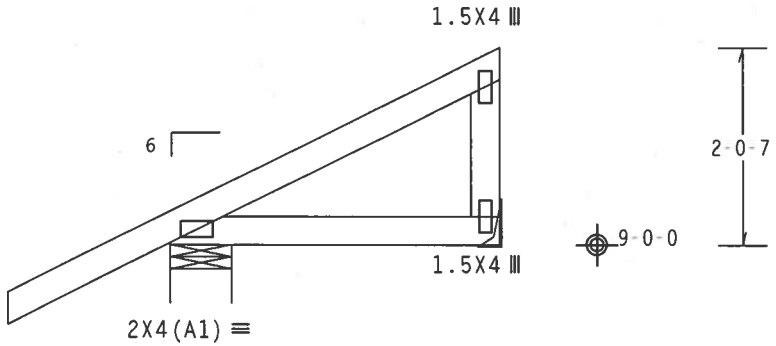
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



1-8-0

3-4-8 Over 2 Supports

R=413 U=7 W=7.5"

R=133 U=9

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.04 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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IMPORTANT FURNISH 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 (I) 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.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, 07

TC LL	30.0 PSF	REF R8228- 40142
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141091
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24695
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - HH1)

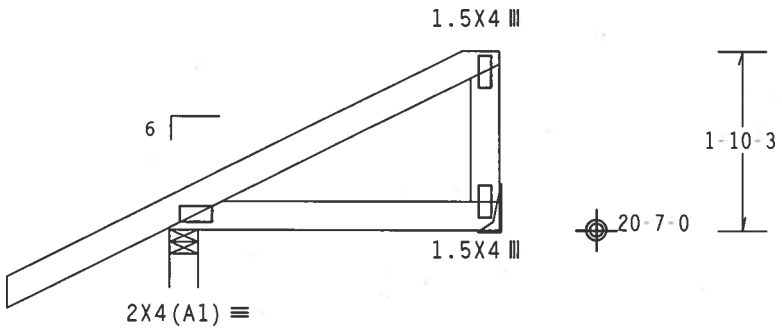
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 3.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 3.37
TC - 190 LB Conc. Load at 3.06
BC - 113 LB Conc. Load at 3.00

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



1-8-0

3-4-8 Over 2 Supports

R=442 U=71 W=3.5"

R=372 U=49

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

May 21 '07

TC LL	30.0 PSF	REF	R8228- 40143
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141024
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25285
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

(7-101R--Isaac Construction SUNIL PATEL RES. -- , ** - MG1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

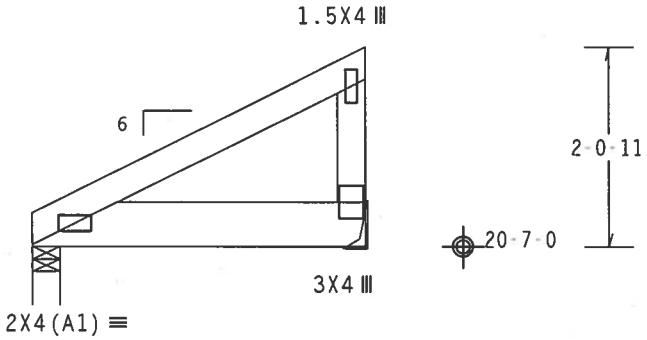
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at 0.00 to 94 PLF at 3.42
BC - From 563 PLF at 0.00 to 563 PLF at 3.42
BC - 373 LB Conc. Load at 3.06

110 mph wind, 21.78 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



3-5-0 Over 2 Supports

R=1212 U=133 W=3.5"
R=1404 U=154

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59867 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40144
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141100
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	25348
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T7J8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 7.13
TC - From 94 PLF at 7.13 to 94 PLF at 9.88
TC - From 94 PLF at 9.88 to 94 PLF at 17.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 17.00
PLB- 4459 LB Conc. Load at (7.06,20.62)
PLB- 1649 LB Conc. Load at (9.06,20.62)
PLB- 1656 LB Conc. Load at (11.06,20.62), (13.06,20.62), (15.06,20.62)

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

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

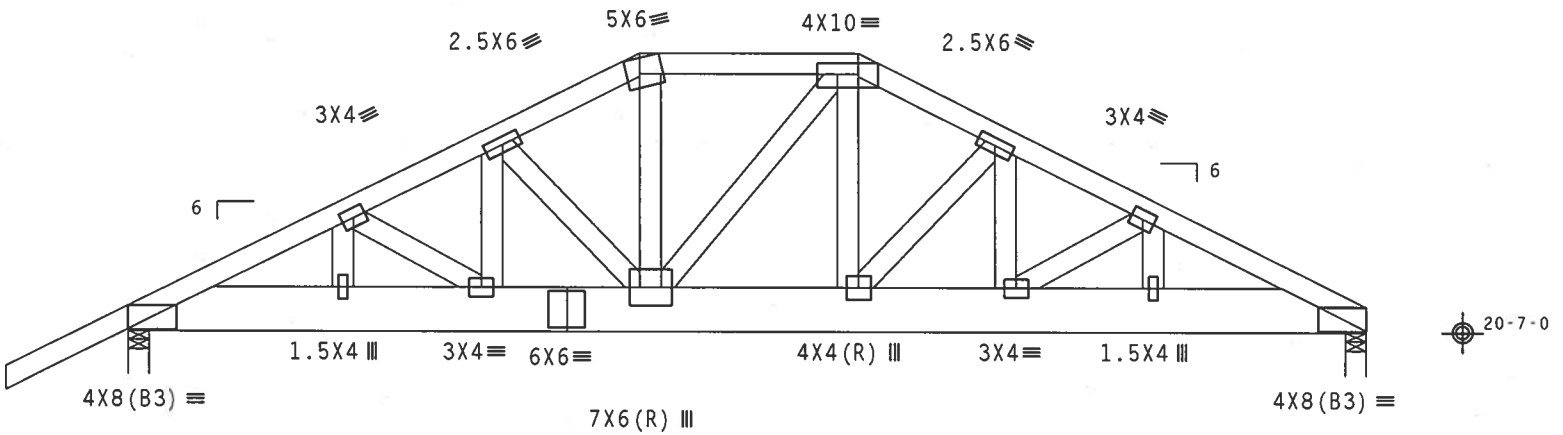
3 COMPLETE TRUSSES REQUIRED

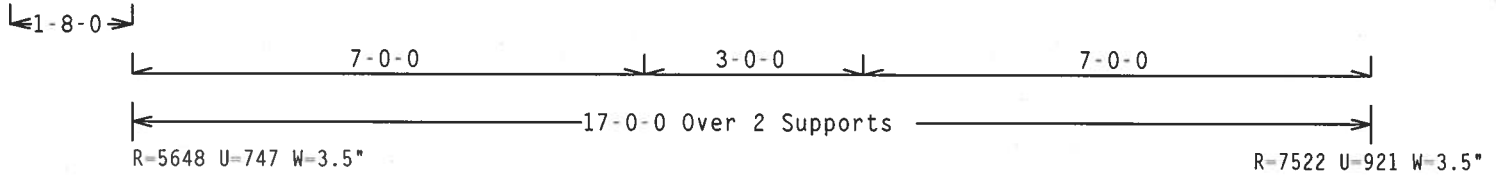
Nailing Schedule: (12d_Common_(0.148"x3.25"._min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 22.29 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 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. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0 [illegible] TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21 '07

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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TC LL	30.0 PSF	REF R8228- 40145
TC DL	15.0 PSF	DATE 05/21/07
BC DL	10.0 PSF	DRW HCUSR8228 07141005
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	55.0 PSF	SEQN- 24901
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7J8228Z02

(7 101R Isaac Construction SUNIL PATEL RES. , ** R1)

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

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

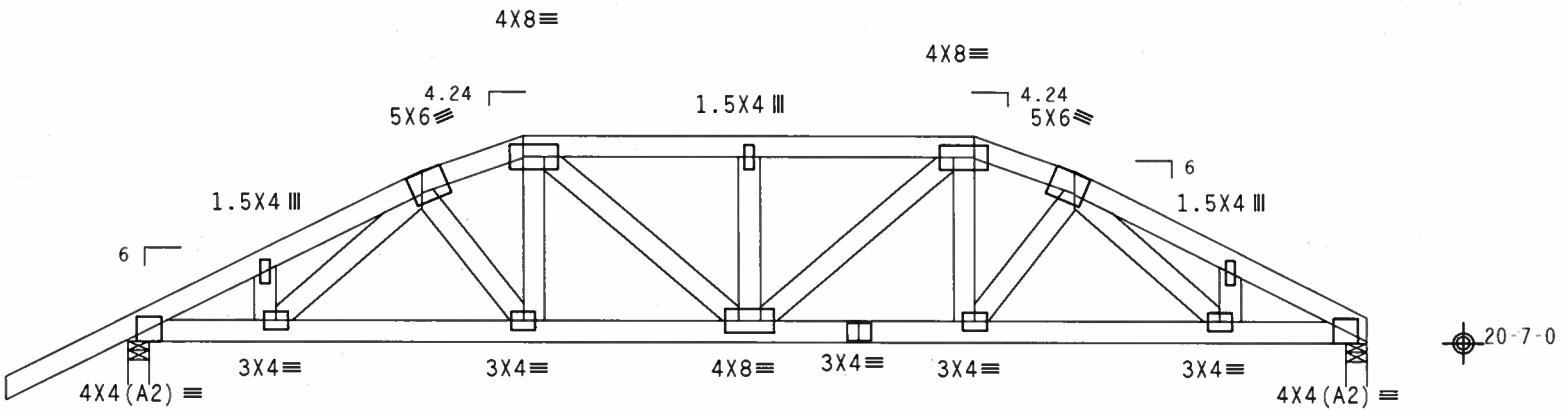
110 mph wind, 21.76 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

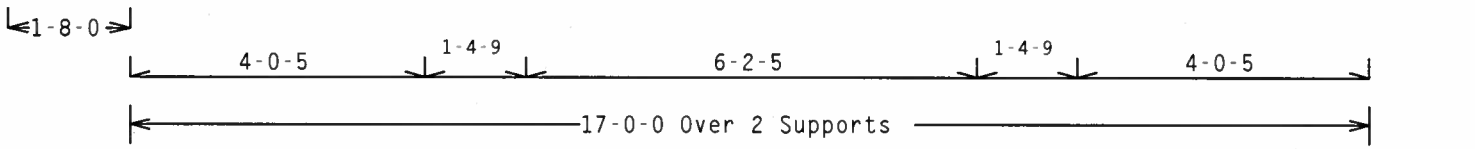
Wind reactions based on MWFRS pressures.

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

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 94 PLF at -1.67 to 94 PLF at 4.02
TC - From 92 PLF at 4.02 to 92 PLF at 5.40
TC - From 92 PLF at 5.40 to 92 PLF at 11.60
TC - From 92 PLF at 11.60 to 92 PLF at 12.98
TC - From 94 PLF at 12.98 to 94 PLF at 17.00
BC - From 4 PLF at -1.67 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 17.00
PLT- 57 LB Conc. Load at (5.47,23.39), (7.47,23.39), (9.53,23.39) (11.53,23.39)
PLB- 40 LB Conc. Load at (4.02,20.62), (12.98,20.62)
PLB- 105 LB Conc. Load at (5.47,20.62), (11.53,20.62)
PLB- 57 LB Conc. Load at (7.47,20.62), (9.53,20.62)





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
May 21 '07

TC LL	30.0 PSF	REF	R8228- 40146
TC DL	15.0 PSF	DATE	05/21/07
BC DL	10.0 PSF	DRW	HCUSR8228 07141107
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	55.0 PSF	SEQN-	24953
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T7J8228Z02

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.

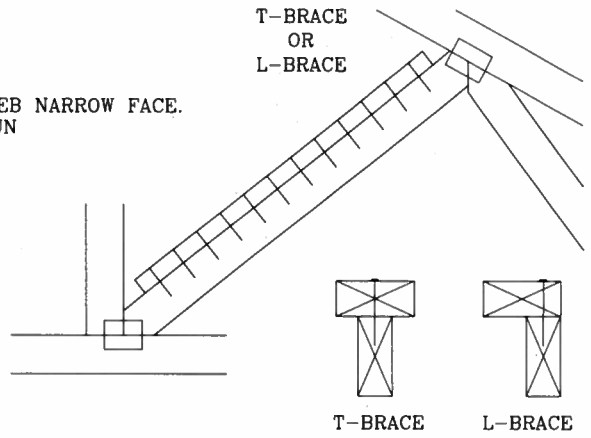
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

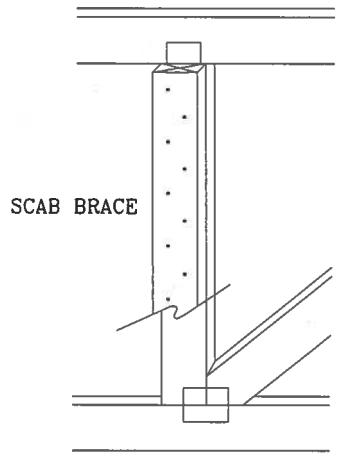
T-BRACING OR L-BRACING:

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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ARTHUR R. FISHER LICENSE No. 59687 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		

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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	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.

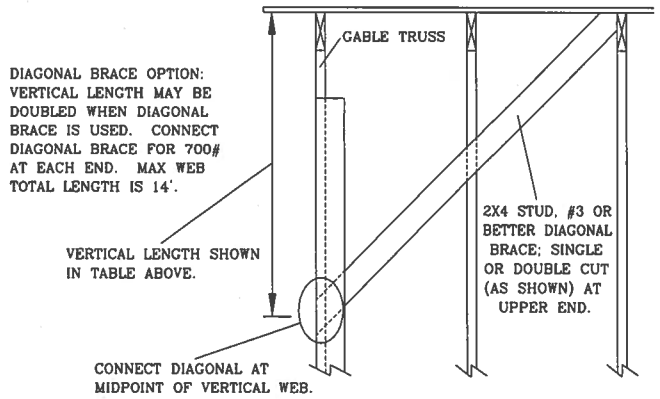
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

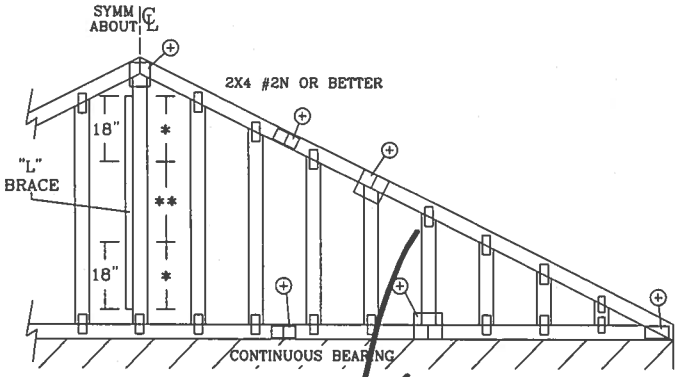
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

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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.

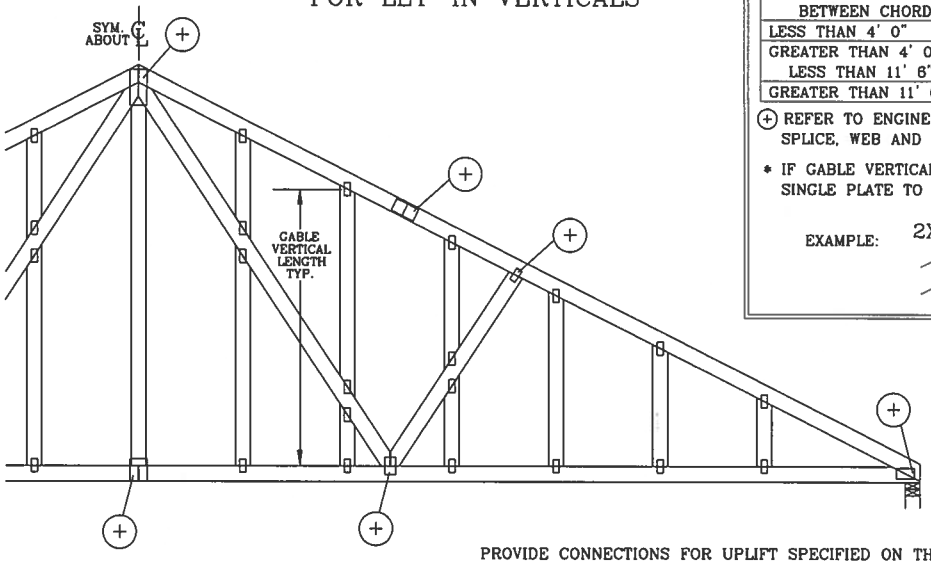
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

GABLE DETAIL
FOR LET-IN VERTICALS

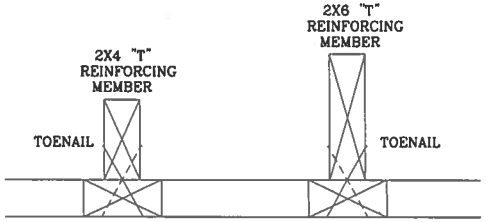


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ 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: 2X4 2X4 2X8



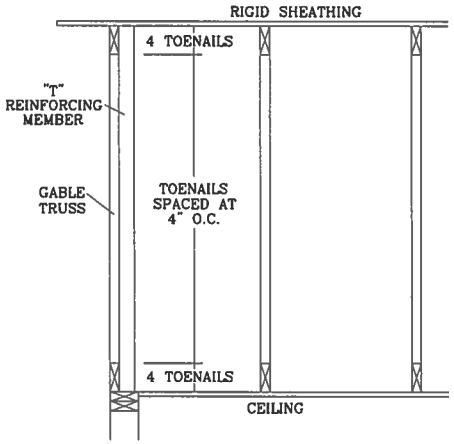
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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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ARTHUR R. FISHER LICENSE No. 59687 2/23/07 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

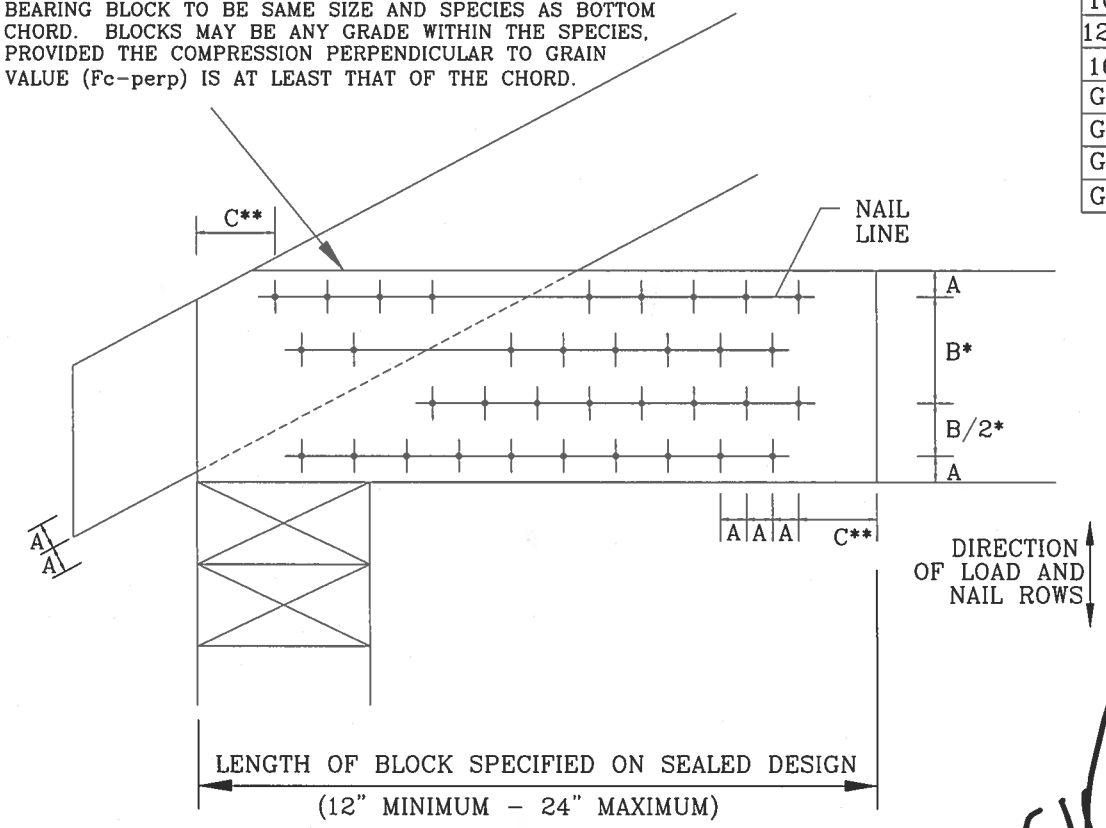
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3.",MIN)	3	6	8	11	14
GUN (0.131"X 3.",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 21, '07

REF	BEARING BLOCK
DATE	2/23/07
DRWG	CNBRGBLK0207
–ENG	SJP/KAR

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T7K8228Z0122113845

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-101R--Isaac Construction SUNIL PATEL RES. -- , **
Truss Count:	1
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
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 - 55.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 05/22/2007

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
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: -

#	Ref	Description	Drawing#	Date
1	48042	H7 A	07142001	05/22/07

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T7K8228Z0122113845

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-101R--Isaac Construction SUNIL PATEL RES. -- , **
Truss Count:	1
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
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 - 55.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 05/22/2007

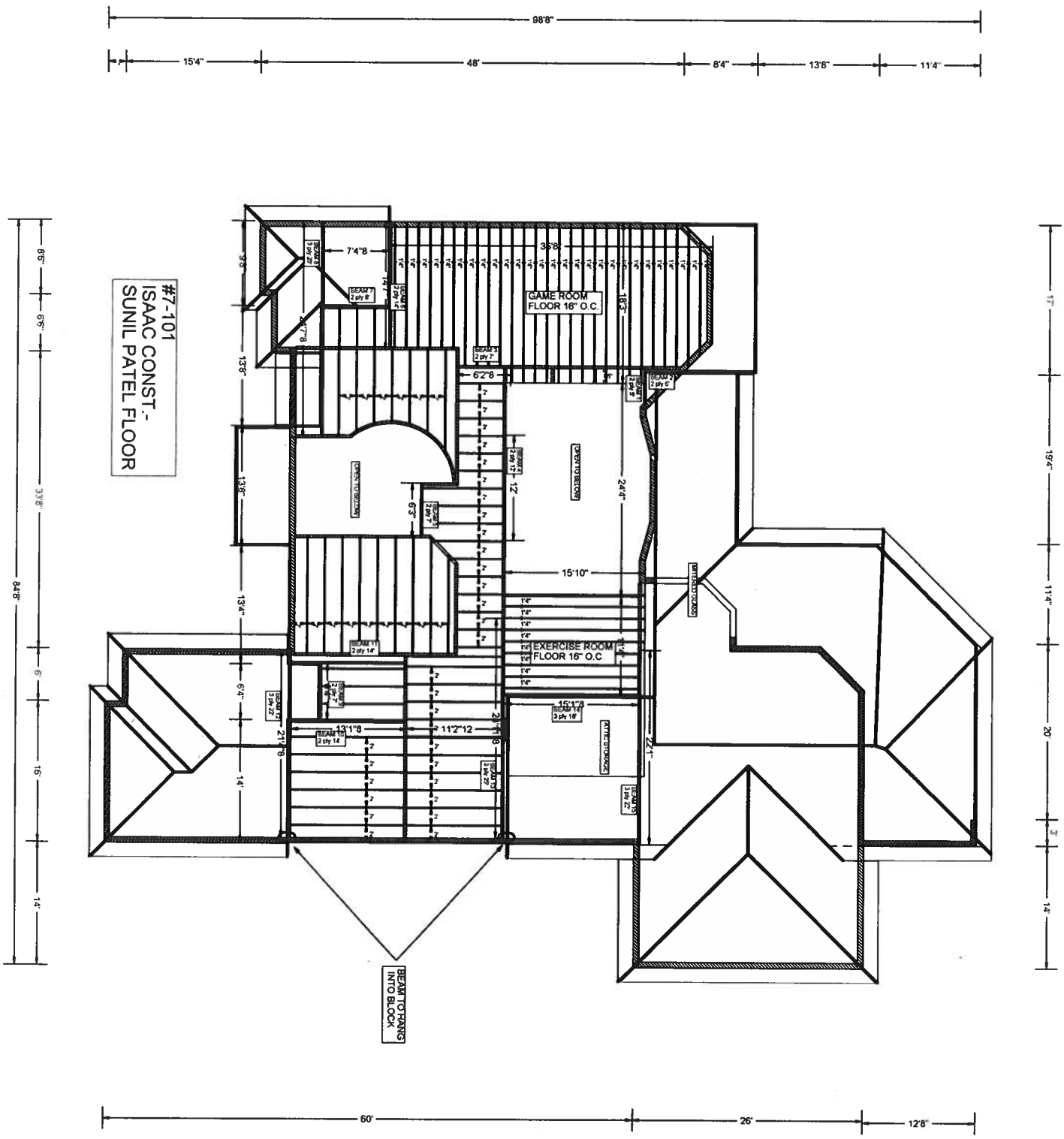
-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

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: -

#	Ref	Description	Drawing#	Date
1	48042--H7	A	07142001	05/22/07

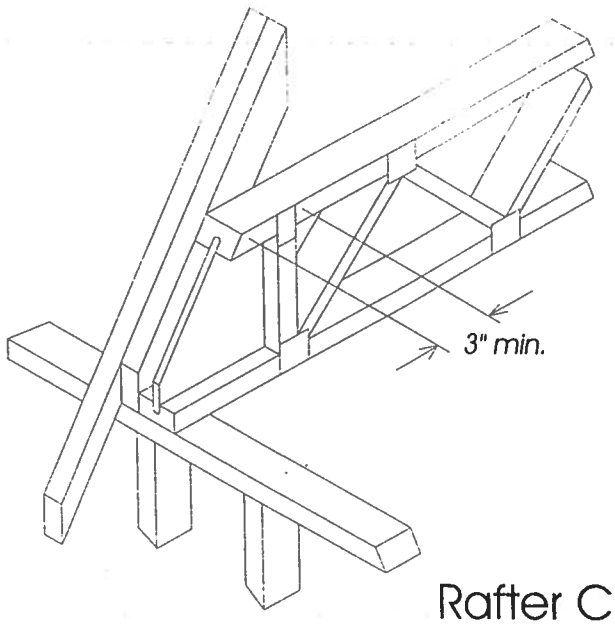


JOB DESCRIPTION:: Isaac Construction
/: SUNIL PATEL RES. FLOOR

JOB NO: 7-101

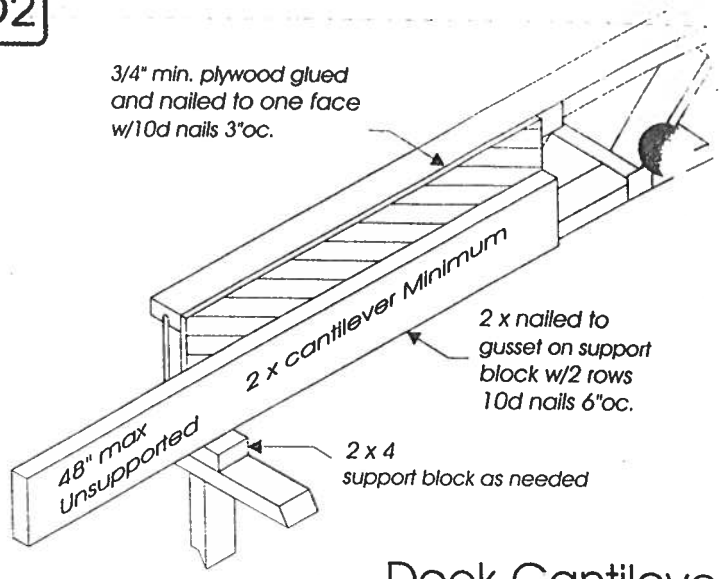
PAGE NO:

D1



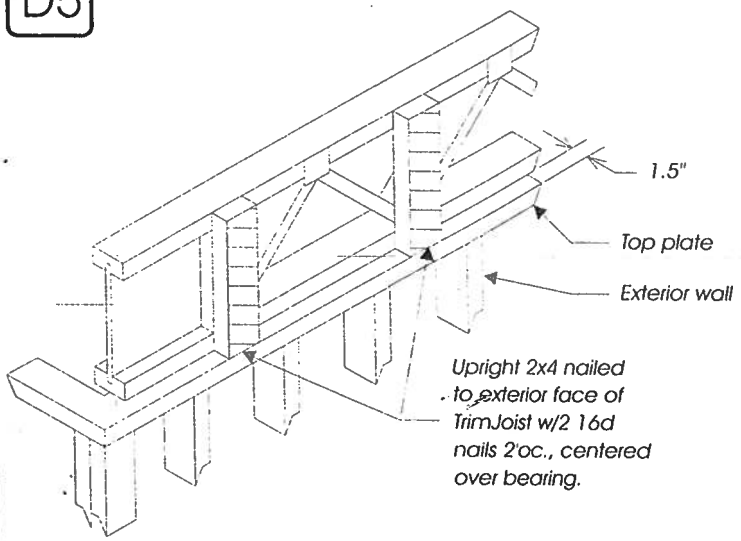
Rafter Cut

D2



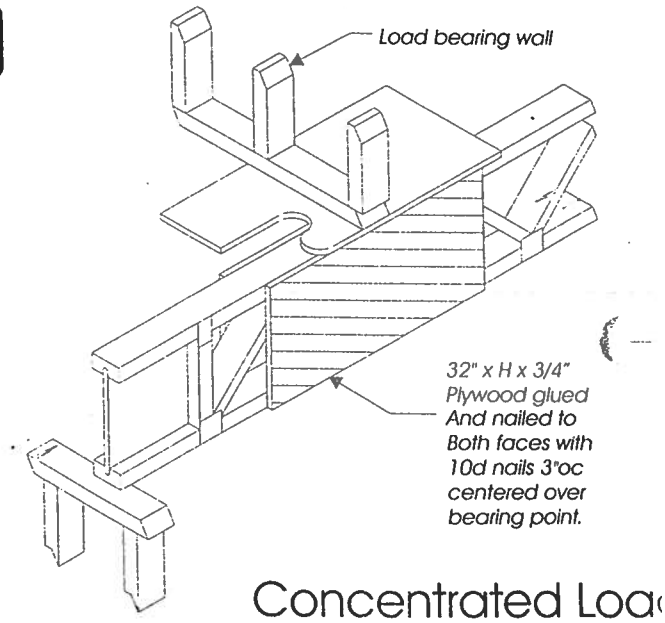
Deck Cantileve

D5



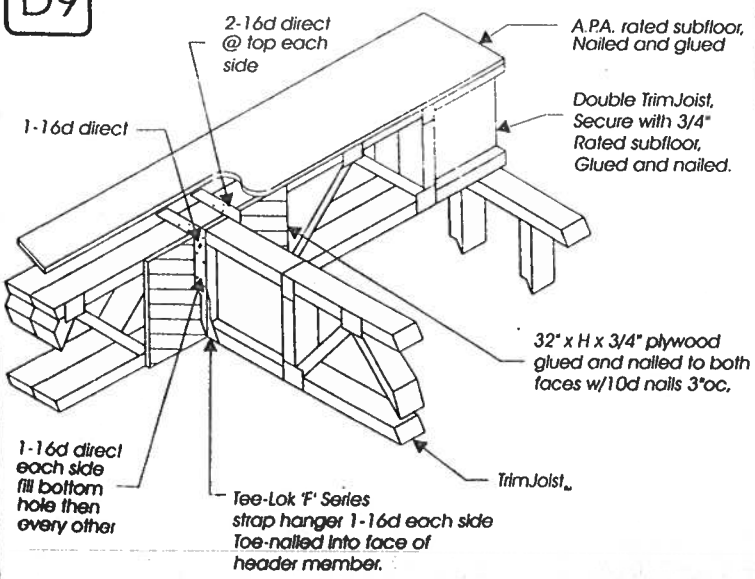
Exterior Knee Wall

D6



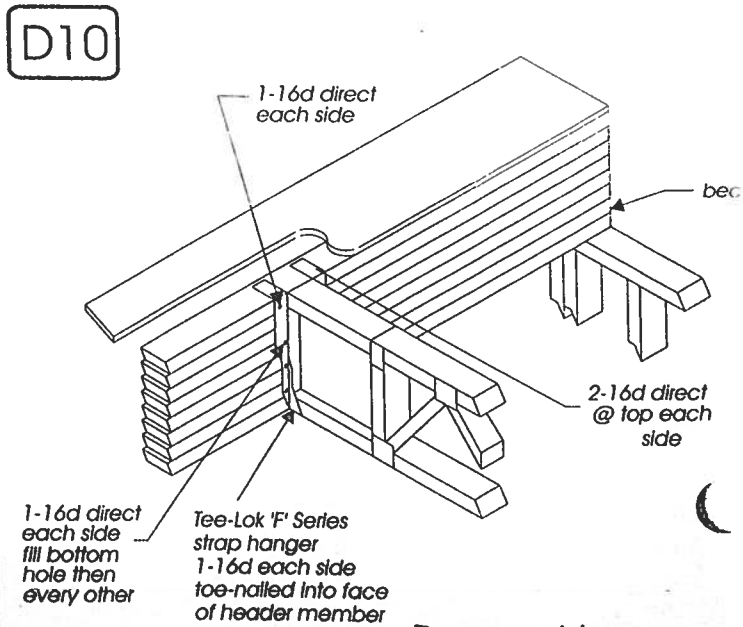
Concentrated Loa

D9



Joist Hangered

D10



Beam Hangere

The *uniform load* span charts below indicate the maximum design spans (including a 1½" minimum bearing at each end) for each family of *Trim*Joist floor joists. Each chart is divided into columns which represent common design loadings and rows which show typical spacings. Most residential designs require a minimum of 55 psf loading. Floors used for heavy traffic and/or heavy floor coverings (e.g. Tile) should be designed at 60 psf minimum. All loads are broken down into *Live, Top-dead* and *Bottom-dead* components. For example, the 55 psf column is really 40 psf live plus 10 psf top-dead plus 5 psf bottom-dead for a total of 55 psf. Dead loads are the weight of construction materials and are always present for the whole life of the structure. Live loads, on the other hand, are transient and are never constant over the life of the structure. Select the appropriate column based on the *dead* loads of your construction materials. These charts are for *uniformly loaded, clear span, simply supported* joists. For special applications requiring concentrated loads, asymmetric continuous loads, cantilevers, or special bearing conditions please consult a *Trim*Joist representative or authorized dealer. The TPDS computer program can be used to analyze almost any loading and/or bearing condition.

11 ¼" Deep

Loading / Spacing	55 PSF (40/10/5)	60 PSF (40/10/10)
12	24′- 0" L/497	24′- 0" L/497
16	22′- 0" L/485	22′- 0" L/485
19.2	21′- 2" L/453	21′- 2" L/453
24	19′- 7" L/455	19′- 7" L/455

16" Deep

Loading / Spacing	55 PSF (40/10/5)	60 PSF (40/10/10)
12	28′- 0" L/676	28′- 0" L/676
16	28′- 0" L/507	28′- 0" L/507
19.2	27′- 4" L/453	27′- 4" L/453
24	25′- 5" L/450	25′- 5" L/450

14" Deep

Spacing		
12	26′- 0" L/633	26′- 0" L/633
16	26′- 0" L/475	26′- 0" L/475
19.2	24′-10" L/453	24′-10" L/453
24	23′- 0" L/452	22′- 0" L/517

18" Deep

Spacing		
12	30′- 0" L/710	30′- 0" L/710
16	30′- 0" L/532	30′- 0" L/532
19.2	29′-10" L/451	29′-10" L/451
24	27′- 7" L/468	27′- 3" L/473

Notes on Span Charts:

1. Spans are based on uniformly loaded joists and include allowances for repetitive use members.
2. Live loads of 40 psf are assumed, Additional dead loads should be chosen based on construction materials.
3. All *Trim*Joist floor joists have a TOP orientation and should not be installed upside-down.
4. Stiffness factors (L/xxx) assume a minimum ¾-inch span-rated subfloor that has been both *glued* and *nailed*.
5. Limit total reaction (per end) to that indicated in the Maximum Reaction Table at the right.
6. Do not apply center supports, cantilevers, concentrated, or asymmetrical continuous loads without first consulting a *Trim*Joist representative.

Maximum Reaction Table

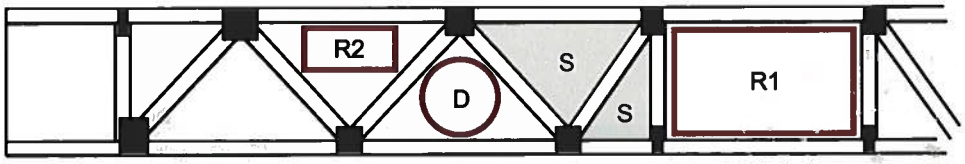
Width	1½	3½	5½
Max	3000	3500	4000

Width is the width of the loaded wall above, or the bearing wall width whichever is less.

A Note About Floor Stiffness: Floor performance is greatly influenced by joist stiffness. Experience has shown that a floor system designed to minimum code acceptance may not meet the expectations of discerning owners. *Trim*Joist Corporation strongly recommends that floor spans be limited to those indicated in the charts above. The numbers in these charts far exceed minimum code requirements and are based on both gluing *and* nailing the subfloor. In cases where the subfloor is nailed only, spans remain the same, but the stiffness must be reduced by 20%. For optimal performance use screws in lieu of nails.

Opening Sizes

	J12	J14	J16	J18
H	11¼"	14"	16"	18"
D	5"	8"	9"	10"
R1	8x16	10x24	12x24	14x24
R2	4x9	4x10 6x6	4x12 6x8	4x14 6x10 8x8



1. All sizes given are in inches and denote maximum expected clearance.
2. Rectangular opening (R1) is provided at centerline of stock length.
3. Only opening D available in 4' stock length (one opening only).
4. Only opening R1 available in 6' and 8' stock length.
5. Openings R2 & D not applicable in shaded areas (s).

Dec. 23, 2006

Good Framing Practice...

DO Install *Trim*Joists right side up. TOP is stamped on the top of each joist.

DO Make sure that each *Trim*Joist bears on the bottom flange beneath the *Trim*End section or beneath the first metal plate if the *Trim*End section has been removed.

DO Use strongback stiffeners. Although not required for structural performance, strongback adds additional resistance to impact loadings.

DO Provide appropriate bearing width at each end of the *Trim*Joist. The required width can be found in the Maximum Reaction Table above. Use vertical web stiffeners where reactions exceed these values.

DO Use *Trim*Joist approved hangers for flush-mounted bearing conditions. These may be purchased from your local *Trim*Joist dealer.

DO Use an appropriately rated sub-floor that has been both glued and nailed/screwed to the top flange of the *Trim*Joist.

DO Consult your *Trim*Joist dealer or representative about special loading or bearing conditions not addressed in this Application Guide.

DO NOT cut any part of the *Trim*Joist except for the *Trim*End sections which are specifically designed to be field cut.

DO NOT remove, cut or alter any metal plate connector on the *Trim*Joist without first consulting a factory engineer.

DO NOT install the *Trim*Joist upside down without first consulting a *Trim*Joist factory engineer.

DO NOT use a *Trim*Joist as a header or beam except as may be instructed by a *Trim*Joist engineer.

DO NOT allow the *Trim*Joist to be supported by the top flange. All support must be from under the bottom flange.

DO NOT depend on "toe nailing" to provide adequate support capacity for flush-mounted framing. Consult your local *Trim*Joist dealer or a *Trim*Joist factory engineer for proper hanger selection.

DO NOT apply special support or load conditions without first consulting a *Trim*Joist representative.