DATE 12/22/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023985

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER TIM & TINA MORRIS PHONE 754-5555

ADDRESS 367 SW LEGACY GLENN LAKE CITY FL 32025

CONTRACTOR MATTHEW ERKINGER PHONE 754-5555

LOCATION OF PROPERTY 47S, TR ON LEGACY GLEN, 7TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 126700.00

HEATED FLOOR AREA 2534.00 TOTAL AREA 3279.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING RSF-1 MAX. HEIGHT 22

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

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

PARCEL ID 18-4S-17-08466-018 SUBDIVISION HERITAGE HILLS

LOT 8 BLOCK PHASE UNIT TOTAL ACRES 1.00

000000927		RR0671356		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	05-1249-N	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 6417

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 $ 635.00 CERTIFICATION FEE $ 16.39 SURCHARGE FEE $ 16.39

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** 767.78

INSPECTORS OFFICE _____ 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.

11th Tina Morris

10/09/2004 23:01 3867582160 BLDG AND ZONING #6417 PAGE 01

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0512-33 Date Received 12/13 By JW Permit # 927 23985

Application Approved by - Zoning Official BLK Date 12.12.05 Plans Examiner OKSTH Date 12-20-05

Flood Zone X Per PLAT Development Permit N/A Zoning RSF-1 Land Use Plan Map Category RES. L.D. DEN.

Comments

Applicants Name Linda Roder or Melanie Roder Phone 752-2281

Address 387 S.W. Kemp Ct. Lake City FL 32024

Owners Name Tim & Tina Morris Phone

911 Address 367 S.W. Legacy Glenn Lake City FL 32025

Contractors Name Matthew Erkinger Phone 754-5555

Address 248 S.E. Nassau St. Lake City FL, 32025

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Will Myers / Nick Geisler

Mortgage Lenders Name & Address First Federal / Wayne Bank

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

Property ID Number 18-4S-17-08466-018 Estimated Cost of Construction 200,000

Subdivision Name Heritage Hills Lot 8 Block Unit Phase

Driving Directions 47 So, go Ron S.W. Legacy Glen, 7th Lot down on R.

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 45' Side 75' Side 68' Rear 95'

Total Building Height 22'10" Number of Stories 1 Heated Floor Area 2534 Roof Pitch 8-12

Porch 342 GARAGE 503 TOTAL 3279

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 Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 12 day of December 20 05.

Personally known ✓ or Produced Identification

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Contractor Signature

Contractors License Number RR067135

Competency Card Number

NOTARY STAMP/SEAL

Notary Signature

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Erkinger Home Builders**	Builder:	**Erkinger Home Bulders**
Address:	**Lot: 6, Sub: Heritage Hills, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32025-**	Permit Number:	23985
Owner:	**Tim & Tina Morris**	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	4		
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2534 ft²		
7. Glass area & type			
a. Clear - single pane	0.0 ft²		
b. Clear - double pane	446.0 ft²		
c. Tint/other SHGC - single pane	0.0 ft²		
d. Tint/other SHGC - double pane	0.0 ft²		
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 265.0(p) ft		
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 1547.0 ft²		
b. Frame, Wood, Adjacent	R=13.0, 212.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2734.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 40.0 ft		
b. N/A			
12. Cooling systems			
a. Central Unit		Cap: 51.0 kBtu/hr	
		SEER: 12.00	
b. N/A			
c. N/A			
13. Heating systems			
a. Electric Heat Pump		Cap: 51.0 kBtu/hr	
		HSPF: 6.80	
b. N/A			
c. N/A			
14. Hot water systems			
a. Electric Resistance		Cap: 50.0 gallons	
		EF: 0.90	
b. N/A			
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: 0.18

Total as-built points: 35206

Total base points: 36474

PASS

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

PREPARED BY: Will Myers

DATE: 12/19/05

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.

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** 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	2534.0	20.04	9140.6	Double, Clear	W	1.5	7.7	20.0	36.99	0.95	704.4	
				Double, Clear	W	1.5	8.0	42.0	36.99	0.96	1488.3	
				Double, Clear	N	1.5	8.0	42.0	19.22	0.97	780.8	
				Double, Clear	NW	2.5	8.0	21.0	25.46	0.89	474.3	
				Double, Clear	N	10.5	9.7	40.0	19.22	0.70	536.1	
				Double, Clear	W	11.5	8.0	42.0	36.99	0.46	708.4	
				Double, Clear	NW	15.5	8.0	21.0	25.46	0.55	292.6	
				Double, Clear	SW	15.5	9.7	20.0	38.46	0.42	319.6	
				Double, Clear	S	5.5	6.0	15.0	34.50	0.53	275.6	
				Double, Clear	W	1.5	6.0	30.0	36.99	0.91	1013.5	
				Double, Clear	N	1.5	4.0	6.0	19.22	0.88	101.6	
				Double, Clear	N	1.5	5.0	16.0	19.22	0.92	281.5	
				Double, Clear	E	1.5	3.0	8.0	40.22	0.73	233.4	
				Double, Clear	SE	1.5	4.0	6.0	40.86	0.76	187.5	
				Double, Clear	E	8.5	9.7	40.0	40.22	0.55	881.6	
				Double, Clear	E	1.5	8.0	28.0	40.22	0.96	1078.4	
				Double, Clear	S	1.5	6.0	45.0	34.50	0.86	1329.2	
				Double, Clear	S	1.5	2.0	4.0	34.50	0.57	78.0	
				As-Built Total:				**446.0**			**10764.8**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	212.0	0.70	148.4	Frame, Wood, Exterior	13.0	1547.0	1.50	2320.5
Exterior	1547.0	1.70	2629.9	Frame, Wood, Adjacent	13.0	212.0	0.60	127.2
Base Total:	**1759.0**		**2778.3**	**As-Built Total:**		**1759.0**		**2447.7**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Adjacent Insulated	20.0	1.60	32.0
Exterior	0.0	0.00	0.0				
Base Total:	**20.0**		**48.0**	**As-Built Total:**	**20.0**		**32.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2534.0	1.73	4383.8	Under Attic	30.0	2734.0	1.73 X 1.00	4729.8
Base Total:	**2534.0**		**4383.8**	**As-Built Total:**		**2734.0**		**4729.8**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	265.0(p)	-37.0		-9805.0	Slab-On-Grade Edge Insulation	0.0	265.0(p	-41.20		-10918.0
Raised	0.0	0.00		0.0						
Base Total:				**-9805.0**	**As-Built Total:**		**265.0**			**-10918.0**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2534.0	10.21		25872.1			2534.0	10.21		25872.1
Summer Base Points:				**32417.9**	**Summer As-Built Points:**					**32928.5**

Total Summer Points	X	System Multiplier	=	Cooling Points
32417.9		**0.4266**		**13829.5**

Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
32928.5		1.000		(1.090 x 1.147 x 1.00)		0.284		1.000		11708.9
32928.5		**1.00**		**1.250**		**0.284**		**1.000**		**11708.9**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** 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	2534.0	12.74	5811.0	Double, Clear	W	1.5	7.7	20.0	10.77	1.01	218.1	
				Double, Clear	W	1.5	8.0	42.0	10.77	1.01	457.2	
				Double, Clear	N	1.5	8.0	42.0	14.30	1.00	601.3	
				Double, Clear	NW	2.5	8.0	21.0	14.03	1.01	296.3	
				Double, Clear	N	10.5	9.7	40.0	14.30	1.02	583.2	
				Double, Clear	W	11.5	8.0	42.0	10.77	1.20	543.0	
				Double, Clear	NW	15.5	8.0	21.0	14.03	1.03	304.3	
				Double, Clear	SW	15.5	9.7	20.0	7.17	1.85	264.7	
				Double, Clear	S	5.5	6.0	15.0	4.03	2.60	156.9	
				Double, Clear	W	1.5	6.0	30.0	10.77	1.02	330.5	
				Double, Clear	N	1.5	4.0	6.0	14.30	1.01	86.3	
				Double, Clear	N	1.5	5.0	16.0	14.30	1.00	229.7	
				Double, Clear	E	1.5	3.0	8.0	9.09	1.12	81.4	
				Double, Clear	SE	1.5	4.0	6.0	5.33	1.22	39.0	
				Double, Clear	E	8.5	9.7	40.0	9.09	1.25	455.5	
				Double, Clear	E	1.5	8.0	28.0	9.09	1.02	259.6	
				Double, Clear	S	1.5	6.0	45.0	4.03	1.12	202.7	
				Double, Clear	S	1.5	2.0	4.0	4.03	2.27	36.5	
				As-Built Total:				**446.0**			**5146.3**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	212.0	3.60	763.2	Frame, Wood, Exterior	13.0	1547.0	3.40	5259.8
Exterior	1547.0	3.70	5723.9	Frame, Wood, Adjacent	13.0	212.0	3.30	699.6
Base Total:	**1759.0**		**6487.1**	**As-Built Total:**		**1759.0**		**5959.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	Adjacent Insulated	20.0	8.00	160.0
Exterior	0.0	0.00	0.0				
Base Total:	**20.0**		**230.0**	**As-Built Total:**	**20.0**		**160.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2534.0	2.05	5194.7	Under Attic	30.0	2734.0	2.05 X 1.00	5604.7
Base Total:	**2534.0**		**5194.7**	**As-Built Total:**		**2734.0**		**5604.7**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	265.0(p)	8.9	2358.5	Slab-On-Grade Edge Insulation	0.0	265.0(p	18.80	4982.0
Raised	0.0	0.00	0.0					
Base Total:			**2358.5**	**As-Built Total:**		**265.0**		**4982.0**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	= Points
	2534.0	-0.59	-1495.1			2534.0	-0.59	-1495.1
Winter Base Points:			**18586.2**	**Winter As-Built Points:**				**20357.3**

Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
18586.2	**0.6274**	**11661.0**	20357.3 **20357.3**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.501 **0.501**	1.000 **1.000**	12757.3 **12757.3**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** 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	
4		2746.00	10984.0	50.0	0.90	4	1.00	2684.98	1.00	10739.9	
				As-Built Total:							**10739.9**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
13829	**11661**	**10984**	**36474**	**11709**	**12757**	**10740**	**35206**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-** 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 6-12. Switch or clearly marked circuit 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* = 83.7

The higher the score, the more efficient the home.

Tim & Tina Morris, Lot: 6, Sub: Heritage Hills, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 51.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 12.00
4.	Number of Bedrooms	4		b.	N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	2534 ft²		c.	N/A	
7.	Glass area & type					
a.	Clear - single pane	0.0 ft²		13.	Heating systems	
b.	Clear - double pane	446.0 ft²		a.	Electric Heat Pump	Cap: 51.0 kBtu/hr
c.	Tint/other SHGC - single pane	0.0 ft²				HSPF: 6.80
d.	Tint/other SHGC - double pane	0.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 265.0(p) ft		c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 50.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 1547.0 ft²				EF: 0.90
b.	Frame, Wood, Adjacent	R=13.0, 212.0 ft²		b.	N/A	
c.	N/A					
d.	N/A			c.	Conservation credits	
e.	N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2734.0 ft²		15.	HVAC credits	
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 40.0 ft			MZ-C-Multizone cooling,	
b.	N/A				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 850/488-7824.*

752-2282

CLYATT WELL DRILLING, INC.

Established in 19[illegible]
Post Office Box 180
Worthington Springs, Florida 32697
Phone (386)496-2488 FAX (386)496-4640

INVOICE DATE	INVOICE NUMBER
3/31/2003	WELL SPECS

DUE AND PAYABLE UPON RECEIPT

CUSTOMER NAME AND ADDRESS
Erkinger Home Builders Attn.: Matthew A. Erkinger 248 Southeast Nassau Street Lake City, Florida 32025

DESCRIPTION OF WORK
4" Well and Pump

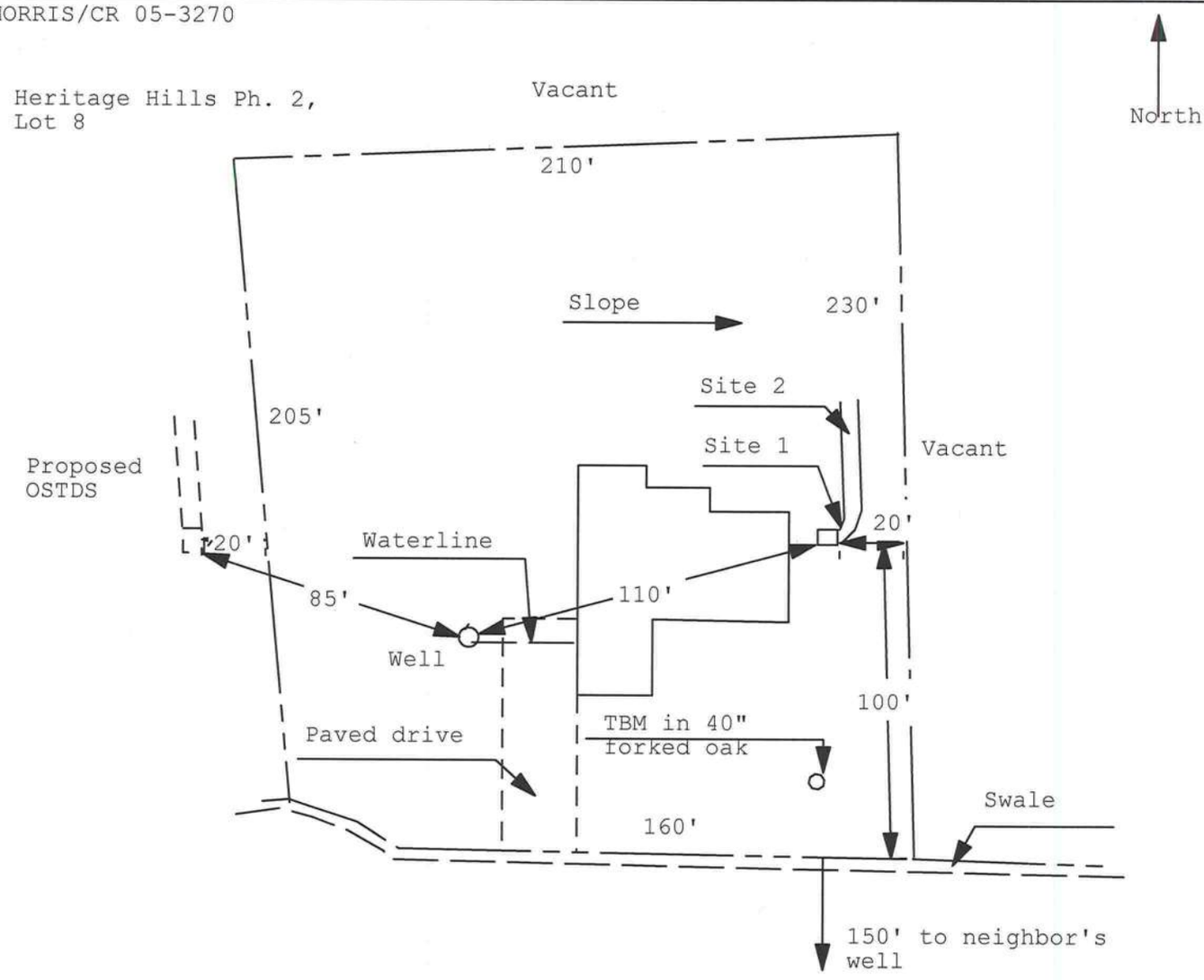
QTY	DESCRIPTION	PRICE	SUB-TOTAL
	Feet 4" Well 1 HP Submersible Pump 1-1/4" Galvanized Pipe 14/3 Submersible Pump Wire With Ground WF255 (220 Gallon Equivalent) Tank 4 X 1-1/4 Well Seal Pressure Relief Valve Controls & Fittings		

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

Permit Application Number: 05-1249N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MORRIS/CR 05-3270



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 12/13/05

Plan Approved X **Not Approved** ____ **Date** ____

By Sallie Gradday 12.16.05 **CPHU**

Notes: ESI - COLUMBIA

Prepared by:
Elaine R. Davis
American Title Services of Lake City, Inc.
330 SW Main Boulevard
Lake City, Florida 32025

File Number: 05-773

Inst:2005027494 Date:11/03/2005 Time:16:42
Doc Stamp-Deed : 420.00
DC,P.DeWitt Cason,Columbia County B:1064 P:129

Warranty Deed

Made this November 2, 2005 A.D.

By **Wayne T. Hudson and Goldie K. Hudson, husband and wife,** Post Office Box 2273, Lake City, Florida 32056, hereinafter called the grantor, to

Timothy K. Morris and Tina C. Morris, husband and wife, whose post office address is: 12958 South US Highway 441, Lake City, Florida 32025, 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 8 of Heritage Hills Phase 2, according to the plat thereof, recorded in Plat Book 8, Pages 37 and 38, 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: **Parent Parcel 08466-003**

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:

Elaine R. Davis
Witness Printed Name ELAINE R. DAVIS

Johnny M. Hamm
Witness Printed Name Johnny M. Hamm

Wayne T. Hudson (Seal)
Wayne T. Hudson
Address: Post Office Box 2273, Lake City, Florida 32056

Goldie K. Hudson (Seal)
Goldie K. Hudson
Address:

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 2nd day of November, 2005, by Wayne T. Hudson and Goldie K. Hudson, husband and wife, who is/are personally known to me or who has produced Known as identification.

Elaine R. Davis
Notary Public ELAINE R. DAVIS
Print Name:
My Commission Expires:

ELAINE R. DAVIS
Notary Public - State of Florida
My Commission Expires Oct 14, 2007
Commission # DD 223411
Bonded By National Notary Assn.

DEED Individual Warranty Deed With Non-Homestead-Legal on Face
Closers' Choice

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

PERMIT NO._____ TAX FOLIO NO._____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF _____

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.

1. Description of property: Lot 8, of HERITAGE HILLS PHASE 2, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 37 and 38, public records of Columbia County, Florida.

2. General description of improvement: **Construction of Dwelling**

3. Owner information:
   a. Name and address: TIMOTHY MORRIS and TINA C. MORRIS
   12958 S US Hwy 441, Lake City, FL 32025

   b. Interest in property: **Fee Simple**

   c. Name and address of fee simple title holder (if other than Owner): **NONE**

4. Contractor (name and address): ERKINGER HOME BUILDERS, INC.
   248 SE Nassau Street, Lake City, FL 32025

5. Surety:
   a. Name and address: _____

   b. Amount of bond: _____

6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
   4705 WEST U.S. HIGHWAY 90
   P. O. BOX 2029
   LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

8. In addition to himself, Owner designates **PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056** to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Timothy K Morris
Borrower Name

Tina C. Morris
Co-Borrower Name

The foregoing instrument was acknowledged before me this 5th day of December, 2005 by TIMOTHY & TINA C. MORRIS, who is personally known to me or who has produced driver's license for identification.

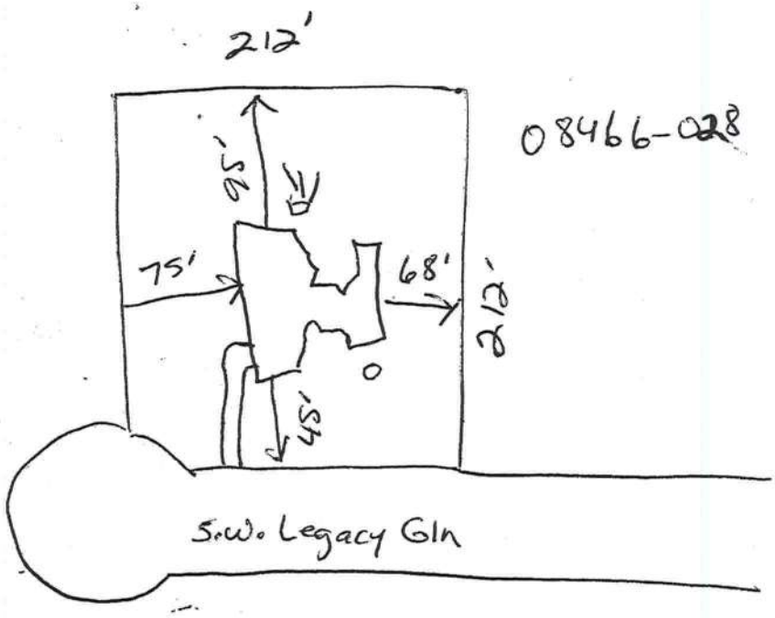
Notary Public
My Commission Expires:

TERRY MCDAVID
MY COMMISSION EXPIRES
January 16, 2006
#DD 079305
NOTARY PUBLIC, STATE OF FLORIDA

Inst:200503042 4 Date:12/07/2005 Time:16:41
DC,P.DeWitt Cason,Columbia County B:1067 P:1519

Site Plan

Tim & Tina Morris



ASPEN
PEST CONTROL, INC.

Phone (386) 755-3611
Fax (386) 752-5381

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

Tim /Tina Morris – Lot # 8 Heritage Hills SW Legacy Glen Lake City, FL

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.

Susie Lacy
Authorized Signature

9-12-05
Date

Columbia County Building Department
Culvert Waiver

Culvert Waiver No.
000000927

DATE: 04/18/2006 BUILDING PERMIT NO. 23985

APPLICANT BRITTNEY PEELER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER TIM & TINA MORRIS PHONE 754-5555

ADDRESS 367 SW LEGACY GLENN LAKE CITY FL 32025

CONTRACTOR MATTHEW ERKINGER PHONE 754-5555

LOCATION OF PROPERTY 47S, TR ON LEGACY GLEN, 7TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HERITAGE HILLS 8

PARCEL ID # 18-4S-17-08466-018

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Brittney Peeler

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

_____ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: SW LEGACY GLENN PRIVATE
HERITAGE IS A PRIVATE SUB.

SIGNED: Perry Little DATE: 4-25-06

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

RECEIVED
APR 21 2006
BY:

COLUMBIA COUNTY GATEWAY TO FLORIDA

SW CRYSTAL GLN
SW LEGACY GLN
SW BULLARD CT
SW BRODERICK DR
SW BRODERICK DR
SW CHUCK GLN
SW MILLENNIUM CT
SW ALICE GLN
SW LIBERT GLN
ETH CT

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 18-4S-17-08466-018 **Building permit No.** 000023985

Use Classification SFD,UTILITY **Fire:** 23.68

Permit Holder MATTHEW ERKINGER **Waste:** 49.00

Owner of Building TIM & TINA MORRIS **Total:** 72.68

Location: 367 SW LEGACY GLEN(HERITAGE HILLS,LOT 8)

Date: 06/21/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Jma Ting Morris

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐ See NOTE 2	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☐	☐	d) Location, size and height above roof of chimneys
☐	☐	e) Location and size of skylights
☐	☐	f) Building height
☐	☐	e) Number of stories

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accesssable bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termiticide or alternative method)
  10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

☐ ☐ **Energy Calculations** (dimensions shall match plans) see NOTE 1

☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

FROM :Columbia Door Company FAX NO. :386-754-9993 Jun. 28 2004 07:37AM P1

Building Code Information System

Overview | User Registration | Organization Registration | User Reactivation | Organization Search | Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Search

Cancel

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Links: www.gadco.com			

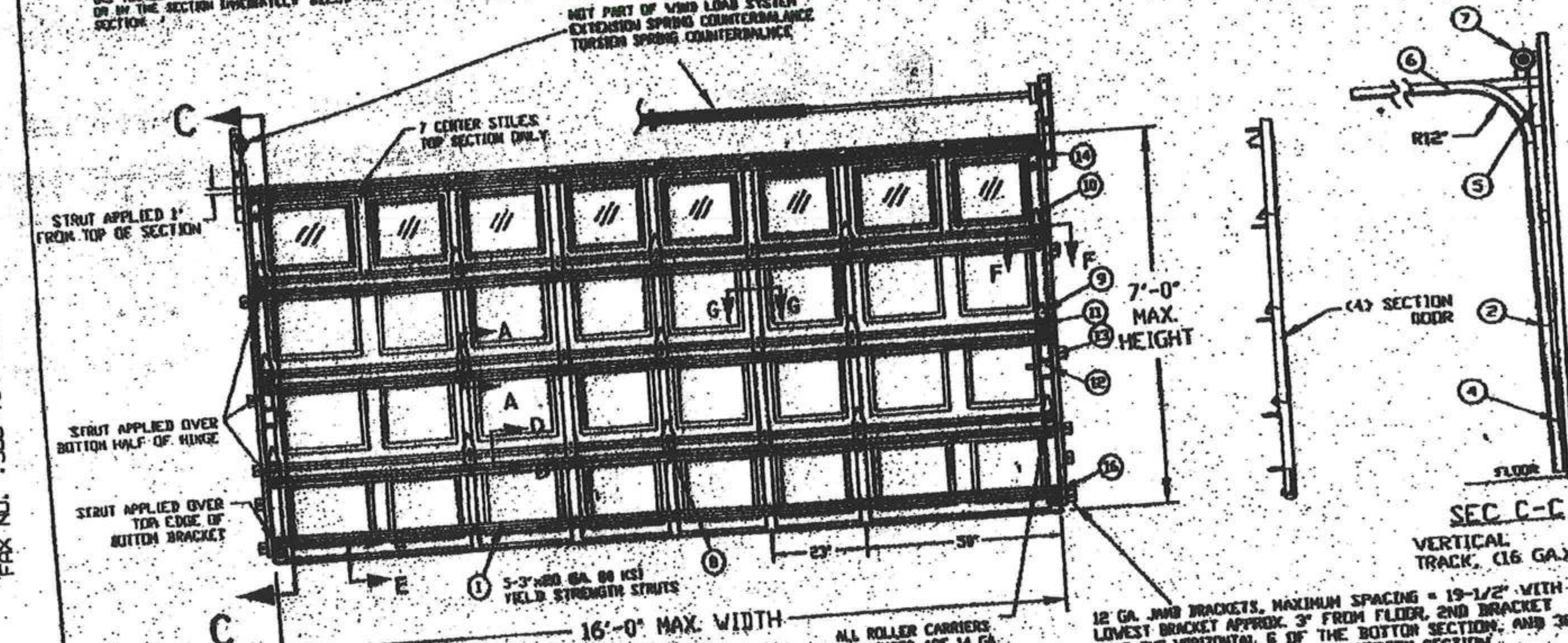
Displaying 1-1 of 1

FROM :Columbia Door Company FAX NO. :386-754-9993 Jun. 28 2004 07:38AM P2

REV.	DATE	BY	DESCRIPTION
A-A	11-10-00	DV	SEE E.C.R. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURE PER ASTM E-330.
2. MAXIMUM SECTION HEIGHT= 21".
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5¼" (2" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. ⚠ DROP IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

12 GA. JAMB BRACKETS. MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL 6 OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL PE No. 024280

LISTED

REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 000933

GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN ⚠
SERIES 7524, EXTERIOR STEEL =.024" MIN ⚠
(TESTED WITH WINDOWS)

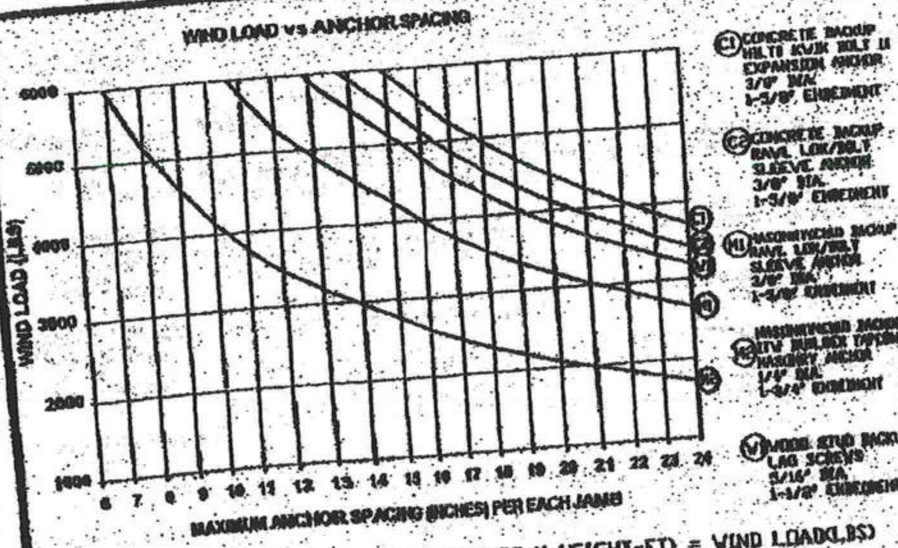
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

DATE 10-20-00 — REVISED (A) 11-10-00
DESCRIPTION 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PAGE 1 OF 2
DRAWING NUMBER W13220-1

SEAL
PE No. 024280
NORTH CAROLINA
PROFESSIONAL
FASTENER ARRANGEMENT
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)
SEC D-D
PAN ATTACHMENT TO STILE GAS TESTED
SEC F-F
END STILE 20 GA. PAINTED STEEL
SEC G-G
CENTER STILE 20 GA. GALVANIZED
SEC A-A
PAN ATTACHMENT TO STILE
SEC E-E
2x6 PRESSURE TREATED LUMBER GRADE #2 OR BETTER SOUTHERN PINE
LISTED
INTERTEK 4015202
SCREW
#8-18 x 1/2" HEX WASHERHEAD SCREW
#8-18 x 1" PAN TEX SCREW WITH #2 REDUCED POINT
TEX
HINGE LEAF
STRIKE LEAF
#8 JAMB BRACKET
ROLLER ASSY.
CLOSER HOUSING
CLOSER ARM
CLOSER AMERICAN DOOR COMPANY
MONTGOMERY, IL 60538
V13288-2



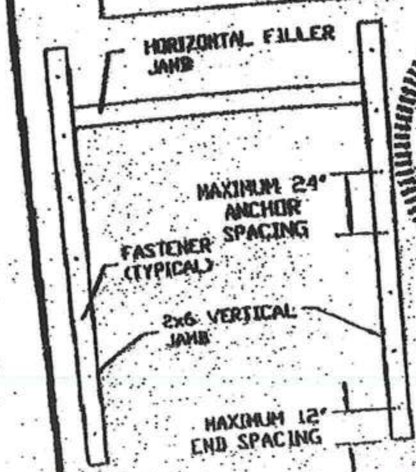
DESIGN LOAD (LBS / FT^2) X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS / FT^2 X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- (C1) USE 22" SPACING
- (C2) USE 21" SPACING
- (W) USE 19" SPACING
- (H) USE 16" SPACING
- (M) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASER R KEYVAN

NASER R KEYVAN No. 53774 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/8/2002

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI, GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NONE	APPROVED BY:	DRAWN BY: DV
DATE: 8-30-99		REVISION:
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS	DRAWING NUMBER: A10560	

TAMKO®
ROOFING PRODUCTS

FEB - 4 RECD

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

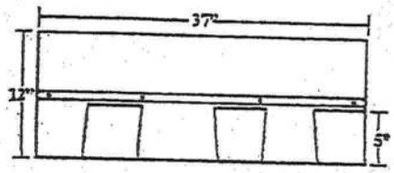
TAMKO Roofing Products, Inc.

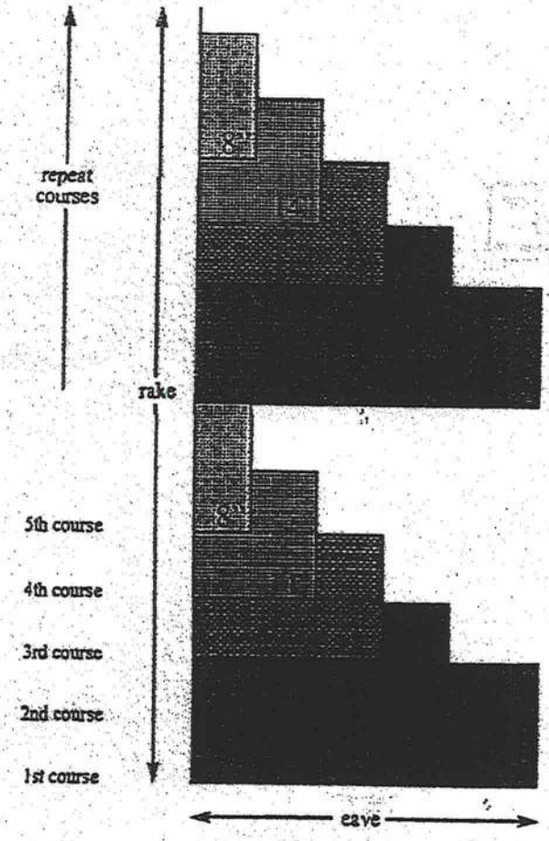
CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

TAMKO
ROOFING PRODUCTS

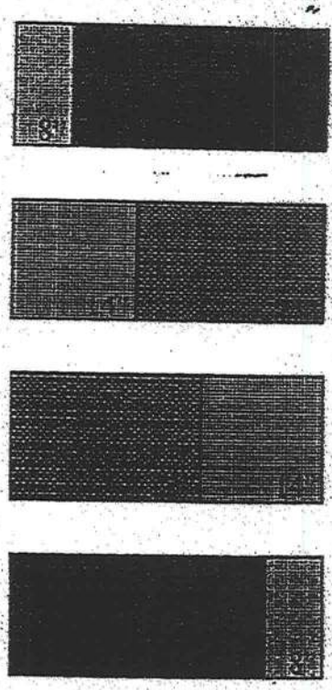
Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"





The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

TAMKO®
ROOFING PRODUCTS

Application Instructions for

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.
IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.
FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

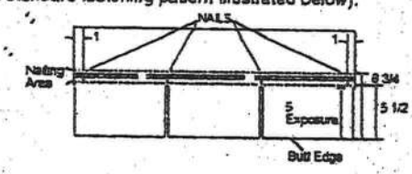
3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

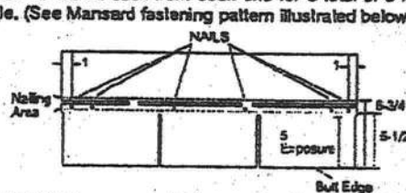
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fastener per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

TAMKO ROOFING PRODUCTS

• Glass-Seal • Glass-Seal AR • Elite Glass-Seal® • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a $.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

3. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

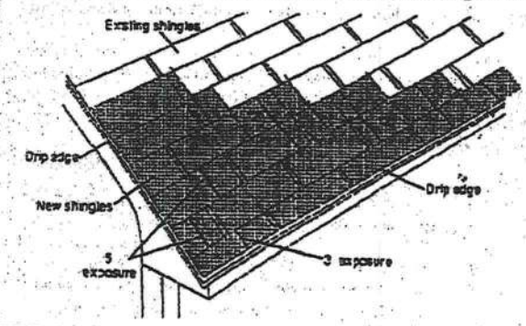
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.



3. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles lightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

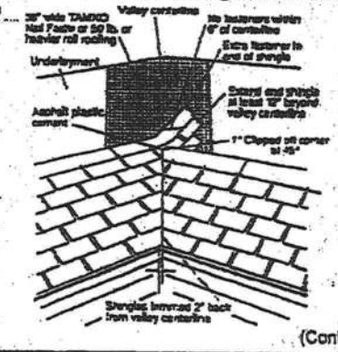
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

- ***CAUTION:*** *Adhesive must be applied in smooth, thin, even layers.*

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

(CONTINUED from Pg. 3)

TAMKO ROOFING PRODUCTS

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

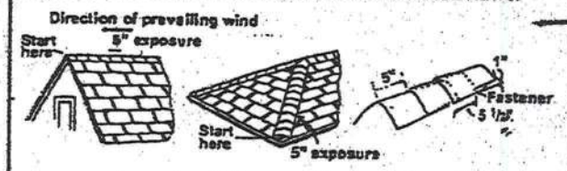
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

I

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:mlb

ALLEN N. REEVES
LICENSE
NO. 18354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

II

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen M. Reeves
1 APRIL 2002

ALLEN M. REEVES
LIC. NO. 12354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

III

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

ALLEN N. REEVES
CERTIFICATE NO. 19854
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Exceeds L/175 for deflection, but passes all other test requirements.

Allen H. Reeves
1 APRIL 2002

ALLEN H. REEVES
CERTIFICATE
NO. [illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

Exceeds L/175 for deflection, but passes all other test requirements.

Allen N. Reeves
1 APRIL 2002

LEN N. REEVES
CERTIFICATE
NO. 18554
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

VI

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

MAH:nlb
01-41134.01

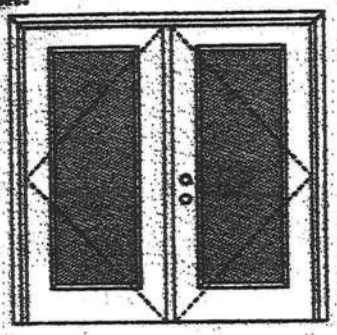
ALLEN N. REEVES
CERTIFICATE
NO. 1905
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


600 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


120 Series*


200 Series*


12 RL, 22 RL, 24 RL Series*


107 Series*


103 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:

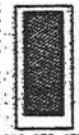

404 Series


416 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

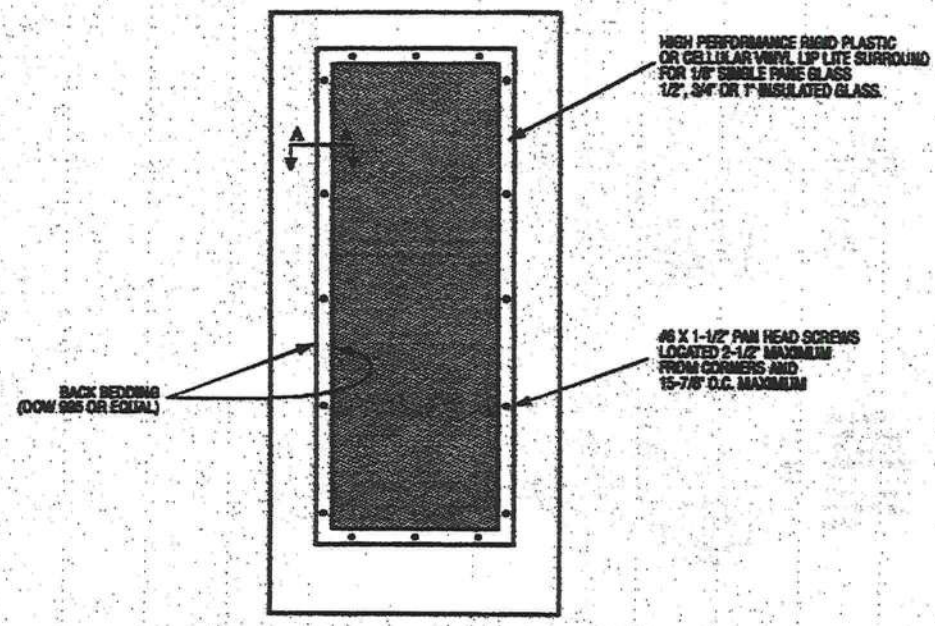
Johnson Entry Systems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

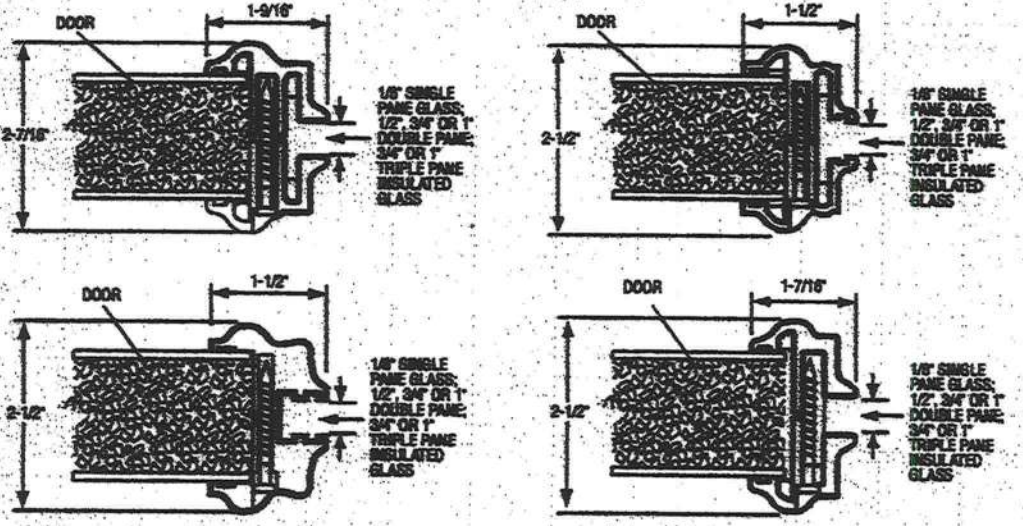
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND

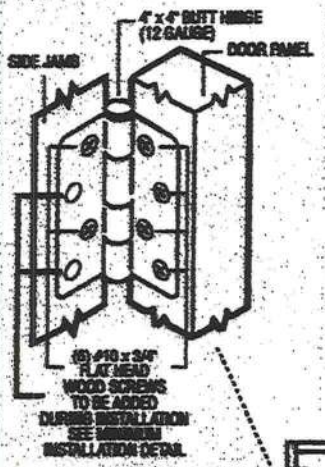


XX
Unit

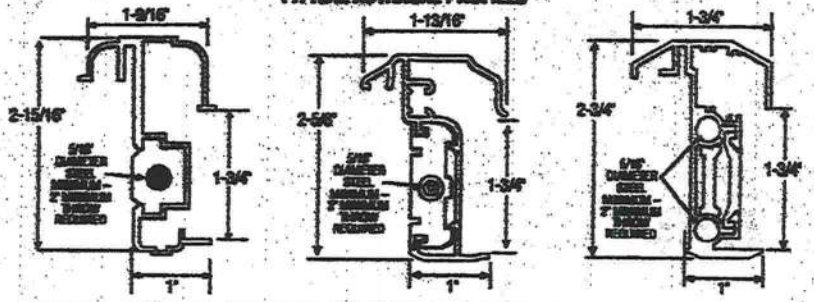
MAD-WL-MA3012-02

OUTSWING UNITS WITH DOUBLE DOOR

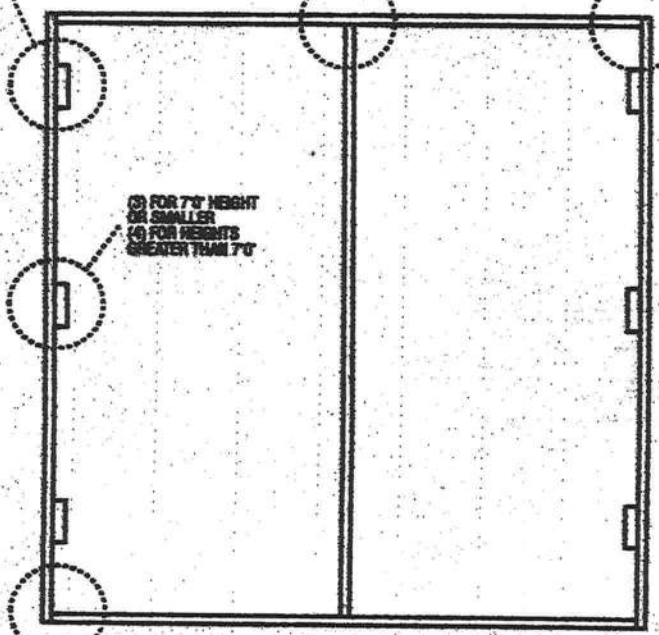
TYPICAL HINGE ATTACHMENT



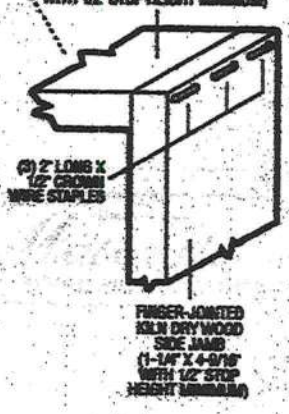
TYPICAL ASTRAGAL PROFILES



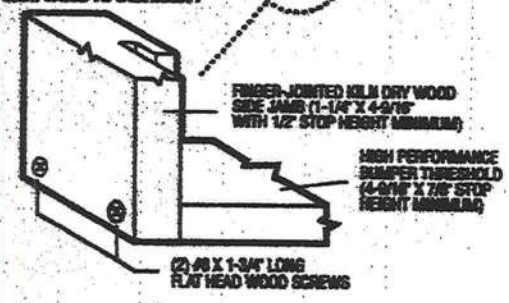
ALUMINUM EXTRUDED ASTRAGAL (0.05" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

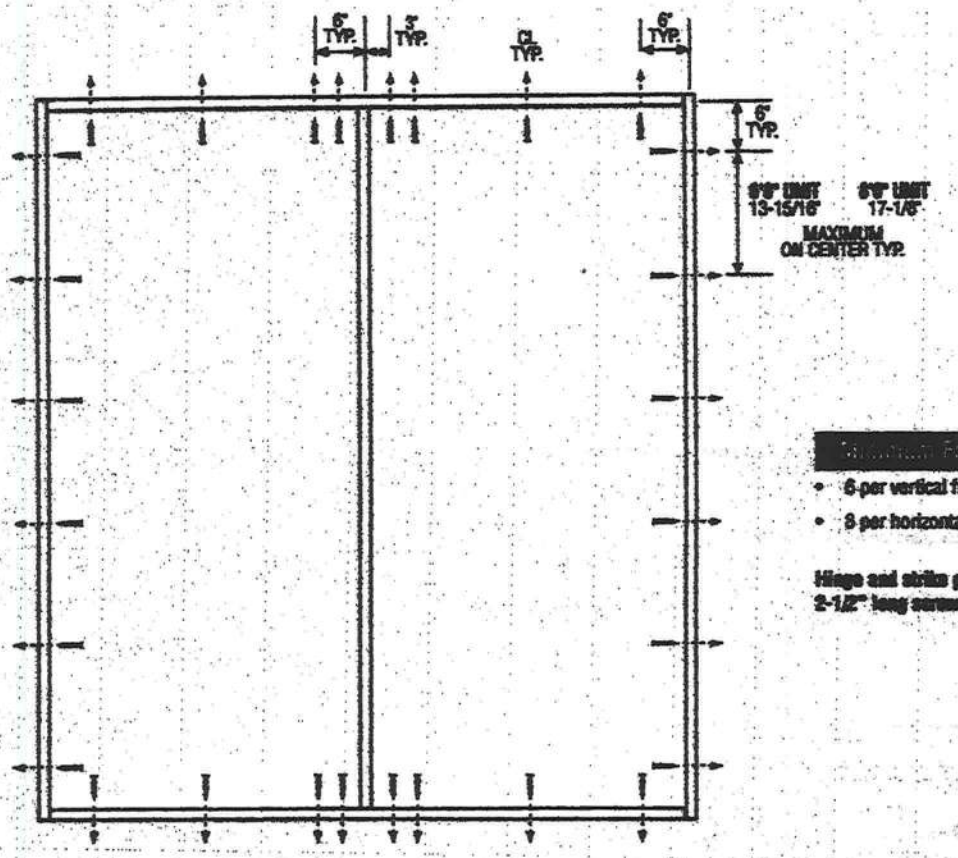
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

[redacted]

March 29, 2002

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®

Masonite International Corporation

Residential System Sizing Calculation

Summary

Tim & Tina Morris

Lake City, FL 32025-

Project Title:
Erkinger Home Builders

Class 3 Rating
Registration No. 0
Climate: North

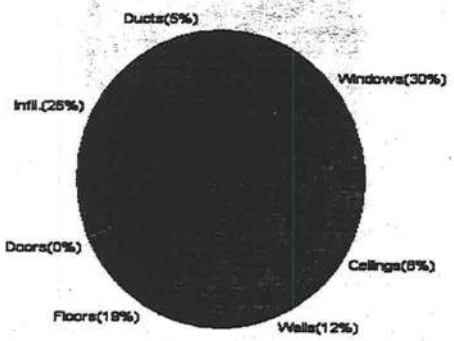
8/11/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	24	F
Total heating load calculation	**42628**	**Btuh**	**Total cooling load calculation**	**50404**	**Btuh**
Submitted heating capacity	51000	Btuh	Submitted cooling capacity	51000	Btuh
Submitted as % of calculated	119.6	%	Submitted as % of calculated	101.2	%

WINTER CALCULATIONS

Winter Heating Load (for 2425 sqft)

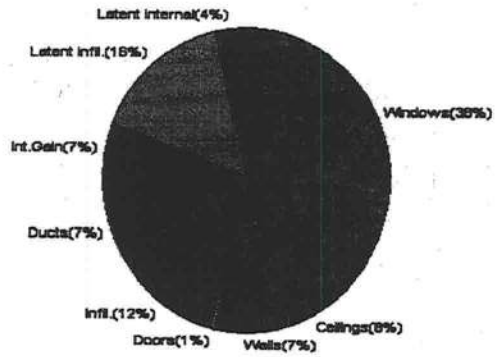
Load component			Load	
Window total	446	sqft	12622	Btuh
Wall total	1759	sqft	5135	Btuh
Door total	20	sqft	188	Btuh
Ceiling total	2650	sqft	3445	Btuh
Floor total	256	ft	8090	Btuh
Infiltration	259	cfm	11119	Btuh
Subtotal			**40598**	**Btuh**
Duct loss			2030	Btuh
TOTAL HEAT LOSS			**42628**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2425 sqft)

Load component			Load	
Window total	446	sqft	19209	Btuh
Wall total	1759	sqft	3757	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	2650	sqft	4187	Btuh
Floor total			0	Btuh
Infiltration	227	cfm	5987	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**36999**	**Btuh**
Duct gain			3700	Btuh
Total sensible gain			**40699**	**Btuh**
Latent gain(infiltration)			7865	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**9705**	**Btuh**
TOTAL HEAT GAIN			**50404**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Tim & Tina Morris

Lake City, FL 32025-

Project Title:
Erkinger Home Builders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

8/11/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
2	2, Clear, Metal, DEF	W	42.0	28.3	1189 Btuh
3	2, Clear, Metal, DEF	N	42.0	28.3	1189 Btuh
4	2, Clear, Metal, DEF	NW	21.0	28.3	594 Btuh
5	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
6	2, Clear, Metal, DEF	W	42.0	28.3	1189 Btuh
7	2, Clear, Metal, DEF	NW	21.0	28.3	594 Btuh
8	2, Clear, Metal, DEF	SW	20.0	28.3	566 Btuh
9	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
10	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
11	2, Clear, Metal, DEF	N	6.0	28.3	170 Btuh
12	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
13	2, Clear, Metal, DEF	E	8.0	28.3	226 Btuh
14	2, Clear, Metal, DEF	SE	6.0	28.3	170 Btuh
15	2, Clear, Metal, DEF	E	40.0	28.3	1132 Btuh
16	2, Clear, Metal, DEF	E	28.0	28.3	792 Btuh
17	2, Clear, Metal, DEF	S	45.0	28.3	1274 Btuh
18	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
	Window Total		446		12622 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1547	3.1	4796 Btuh
2	Frame - Adjacent	13.0	212	1.6	339 Btuh
	Wall Total		1759		5135 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjac		20	9.4	188 Btuh
	Door Total		20		188Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2650	1.3	3445 Btuh
	Ceiling Total		2650		3445Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	256.0 ft(p)	31.6	8090 Btuh
	Floor Total		256		8090 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	19400(sqft)	259	11119 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			259	11119 Btuh

Totals for Heating	**Subtotal**	**40598 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**2030 Btuh**
	Total Btuh Loss	**42628 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Tim & Tina Morris

Lake City, FL 32025-

Project Title:
Erkinger Home Builders

Class 3 Rating
Registration No. 0
Climate: North

8/11/2005

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

Tim & Tina Morris

Lake City, FL 32025-

Project Title:
Erkinger Home Builders

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 8/11/2005

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	W	1.5	7.66	20.0	0.0	20.0	25	74	1480	Btuh
2	2, Clear, DEF, N, N	W	1.5	8	42.0	0.0	42.0	25	74	3108	Btuh
3	2, Clear, DEF, N, N	N	1.5	8	42.0	0.0	42.0	25	25	1050	Btuh
4	2, Clear, DEF, N, N	NW	2.5	8	21.0	0.0	21.0	25	53	1113	Btuh
5	2, Clear, DEF, N, N	N	10.5	9.66	40.0	0.0	40.0	25	25	1000	Btuh
6	2, Clear, DEF, N, N	W	11.5	8	42.0	42.0	0.0	25	74	1050	Btuh
7	2, Clear, DEF, N, N	NW	15.5	8	21.0	0.0	21.0	25	53	1113	Btuh
8	2, Clear, DEF, N, N	SW	15.5	9.66	20.0	20.0	0.0	25	65	500	Btuh
9	2, Clear, DEF, N, N	S	5.5	6	15.0	15.0	0.0	25	39	375	Btuh
10	2, Clear, DEF, N, N	W	1.5	6	30.0	4.0	26.0	25	74	2026	Btuh
11	2, Clear, DEF, N, N	N	1.5	4	6.0	0.0	6.0	25	25	150	Btuh
12	2, Clear, DEF, N, N	N	1.5	5	16.0	0.0	16.0	25	25	400	Btuh
13	2, Clear, DEF, N, N	E	1.5	3	8.0	3.0	5.0	25	74	443	Btuh
14	2, Clear, DEF, N, N	SE	1.5	4	6.0	2.4	3.6	25	65	295	Btuh
15	2, Clear, DEF, N, N	E	8.5	9.66	40.0	23.5	16.5	25	74	1809	Btuh
16	2, Clear, DEF, N, N	E	1.5	8	28.0	0.0	28.0	25	74	2072	Btuh
17	2, Clear, DEF, N, N	S	1.5	6	45.0	45.0	0.0	25	39	1125	Btuh
18	2, Clear, DEF, N, N	S	1.5	2	4.0	4.0	0.0	25	39	100	Btuh
	Window Total				446					19209	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1547.0	2.2	3434	Btuh
2	Frame - Adjacent	13.0	212.0	1.5	322	Btuh
	Wall Total		1759.0		3757	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Adjac	20.0	12.9	259	Btuh
	Door Total	20.0		259	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2650.0	1.6	4187	Btuh
	Ceiling Total		2650.0		4187	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	256.0 ft(p)	0.0	0	Btuh
	Floor Total		256.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	19400	226.8	5987	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			227	5987	Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	8	X 300	+	1200	3600	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Tim & Tina Morris

Lake City, FL 32025-

Project Title:
Erkinger Home Builders

Class 3 Rating
Registration No. 0
Climate: North

8/11/2005

Totals for Cooling	**Subtotal**	**36999**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**3700**	**Btuh**
	Total sensible gain	**40699**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**7865**	**Btuh**
	Latent occupant gain (8 people @ 230 Btuh per person)	**1840**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**50404**	**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)

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SQ9487-Z0307102147

Truss Fabricator: Anderson Truss Company
Job Identification: 5-365-ERKINGER BUILDERS/LOT 8 HERITAGE HILLS /MORRIS
Truss Count: 75
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software,Versions 7.04, 7.10.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -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 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-CNBRGBLK-TCFILLER-BCFILLER-A11015EC-GBLLETIN

Seal Date: 09/07/2005

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

#	Ref Description	Drawing#	Date
1	46762--H13A	05250018	09/07/05
2	46763--H15A	05250019	09/07/05
3	46764--H17A	05250020	09/07/05
4	46765--H19A	05250021	09/07/05
5	46766--F7A	05250022	09/07/05
6	46767--F9A	05250023	09/07/05
7	46768--F11A	05250024	09/07/05
8	46769--AS	05250025	09/07/05
9	46770--B1	05250001	09/07/05
10	46771--B2	05250002	09/07/05
11	46772--B3	05250003	09/07/05
12	46773--BG	05250063	09/07/05
13	46774--H11BT	05250026	09/07/05
14	46775--H9BT	05250027	09/07/05
15	46776--H7BT	05250083	09/07/05
16	46777--H13BT	05250064	09/07/05
17	46778--H15C	05250028	09/07/05
18	46779--H17C	05250029	09/07/05
19	46780--C	05250004	09/07/05
20	46781--CS	05250030	09/07/05
21	46782--CS1	05250031	09/07/05
22	46783--CS2	05250032	09/07/05
23	46784--CS3	05250033	09/07/05
24	46785--H7CT	05250034	09/07/05
25	46786--H9CT	05250035	09/07/05
26	46787--H11CT	05250036	09/07/05
27	46788--H13CT	05250037	09/07/05
28	46789--DGE	05250038	09/07/05
29	46790--D	05250005	09/07/05
30	46791--DG	05250065	09/07/05
31	46792--E	05250039	09/07/05
32	46793--EGE	05250066	09/07/05
33	46794--EG	05250067	09/07/05
34	46795--H3F	05250068	09/07/05
35	46796--H5F	05250006	09/07/05
36	46797--FG	05250069	09/07/05
37	46798--GGE	05250040	09/07/05
38	46799--G	05250007	09/07/05

#	Ref Description	Drawing#	Date
39	46800--EJ7	05250041	09/07/05
40	46801--EJ7T	05250008	09/07/05
41	46802--EJ7H	05250009	09/07/05
42	46803--EJ7GE	05250042	09/07/05
43	46804--EJ5S	05250010	09/07/05
44	46805--CJ1	05250043	09/07/05
45	46806--HJ72T	05250044	09/07/05
46	46807--HJ5	05250045	09/07/05
47	46808--HJ7	05250046	09/07/05
48	46809--CJ3	05250011	09/07/05
49	46810--EJ2	05250047	09/07/05
50	46811--EJ2	05250012	09/07/05
51	46812--CJ5	05250048	09/07/05
52	46813--CJ5T	05250013	09/07/05
53	46814--CJ3T	05250014	09/07/05
54	46815--HJ7T	05250049	09/07/05
55	46816--CJ52T	05250050	09/07/05
56	46817--EJ72T	05250015	09/07/05
57	46818--HJB	05250051	09/07/05
58	46819--HJ1B	05250052	09/07/05
59	46820--EJB	05250053	09/07/05
60	46821--EJ7G	05250070	09/07/05
61	46822--M3G	05250071	09/07/05
62	46823--KGE	05250054	09/07/05
63	46824--K	05250016	09/07/05
64	46825--H7L	05250055	09/07/05
65	46826--H9L	05250056	09/07/05
66	46827--L	05250017	09/07/05
67	46828--MG1	05250072	09/07/05
68	46829--H5M	05250073	09/07/05
69	46830--MG2	05250074	09/07/05
70	46831--M	05250057	09/07/05
71	46832--H17AP	05250058	09/07/05
72	46833--H19AP	05250059	09/07/05
73	46834--H21AP	05250060	09/07/05
74	46835--AP	05250061	09/07/05
75	46836--APH	05250062	09/07/05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SQ9487-Z0307102147

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS (5-365|-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS)
Truss Count:	1
Model Code:	Florida Building Code 2001
Truss Criteria:	ANSI/TPI-1995(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.04, 7.10.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -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 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 09/07/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	46776--H7BT		05250083	09/07/05

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H13A)

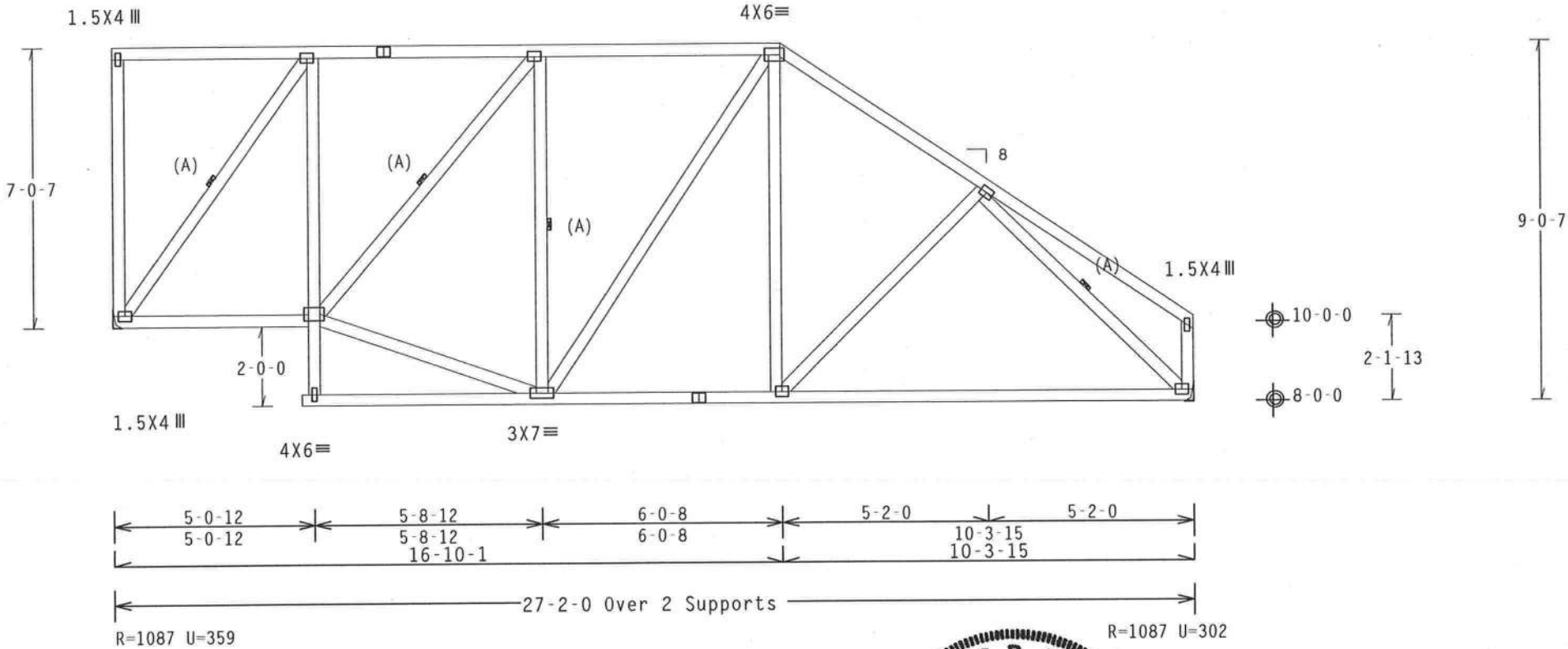
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04.0808.16 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

TC LL	20.0 PSF	REF R487-- 46762
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250018
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155342
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H15A)

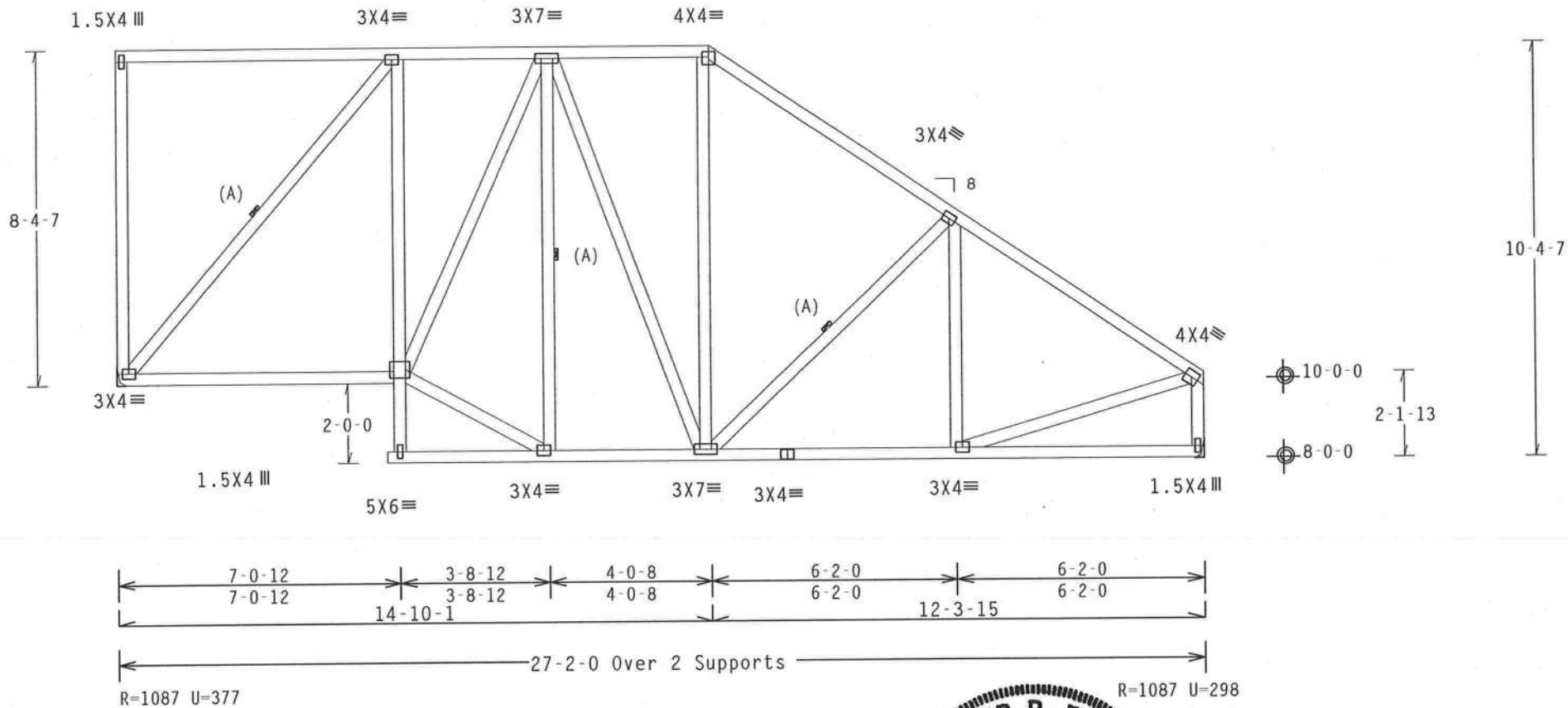
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.26 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46763
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250019
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155350
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H17A)

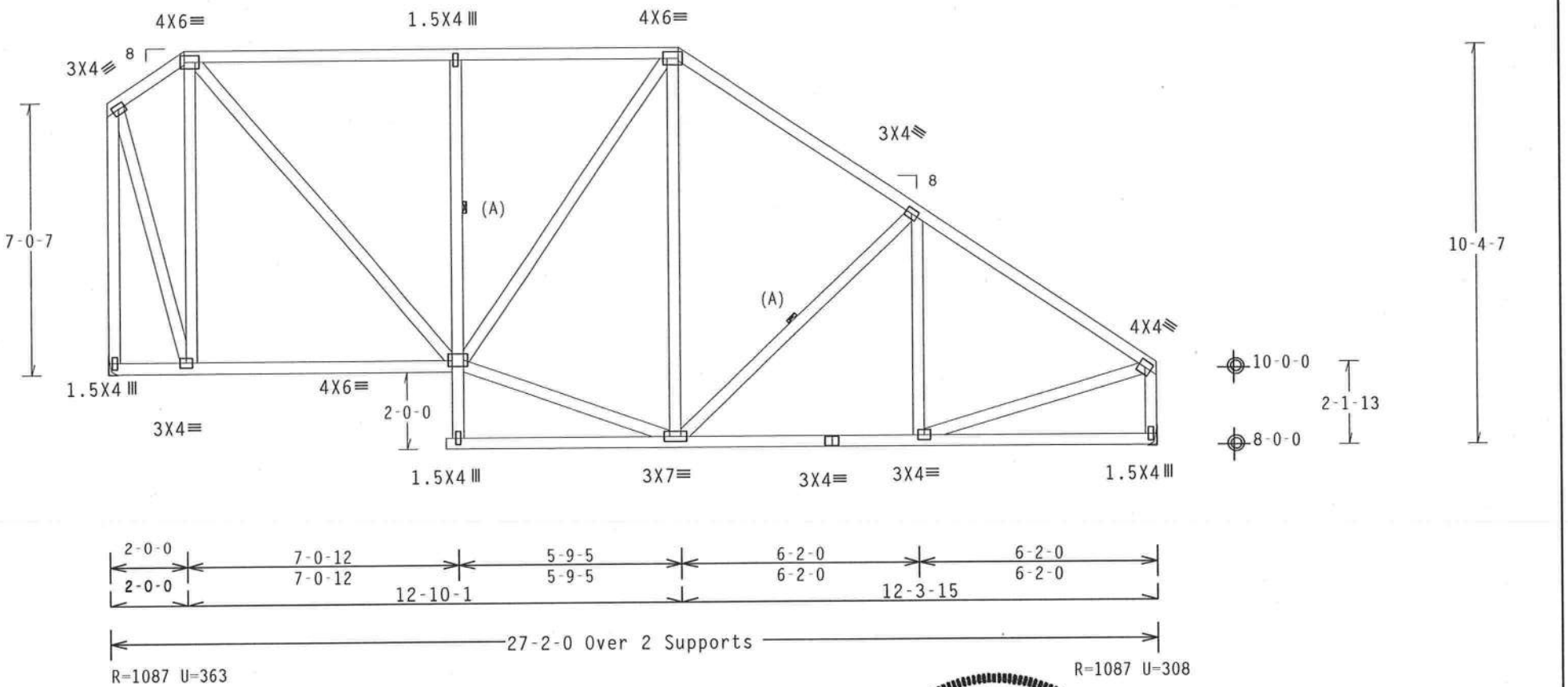
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.26 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0303.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07,15

TC LL	20.0 PSF	REF R487-- 46764
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250020
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155360
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H19A)

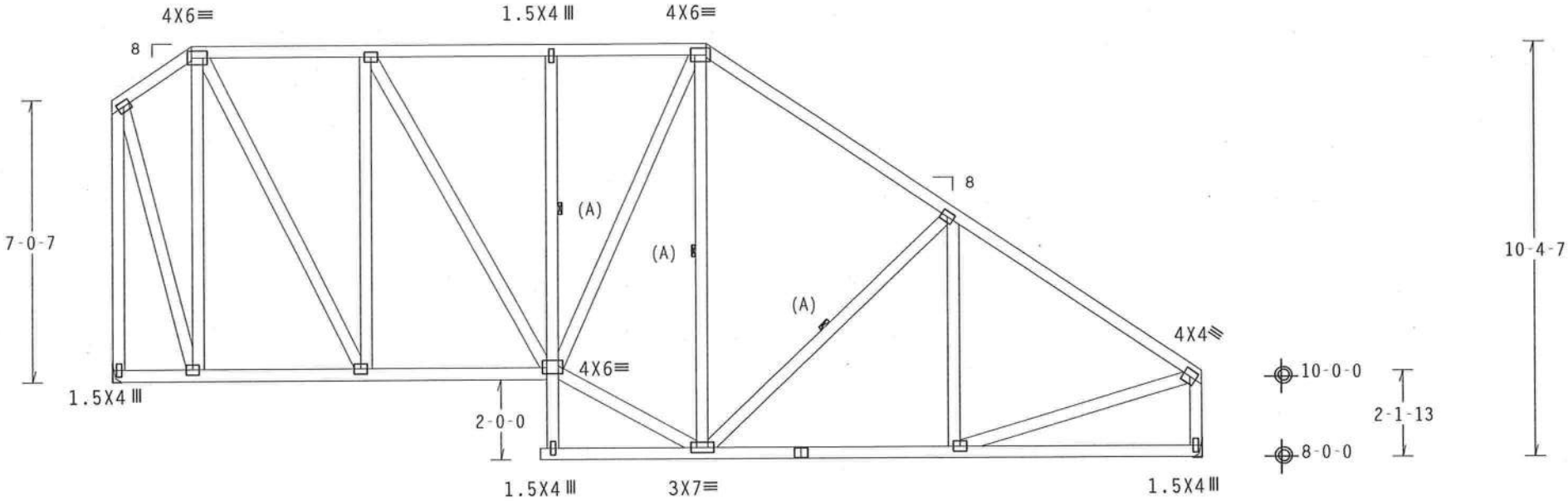
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

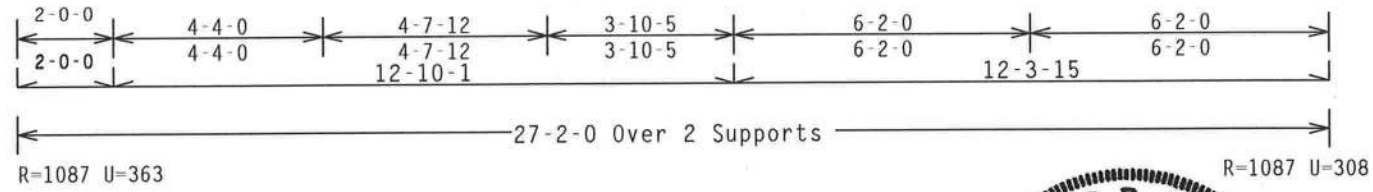
End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.26 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.





Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0809 16 | QTY 2 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER SEP 07 '05

TC LL	20.0 PSF	REF R487-- 46765
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250021
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155394
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_ZO3

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - F7A)

Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2, W8 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

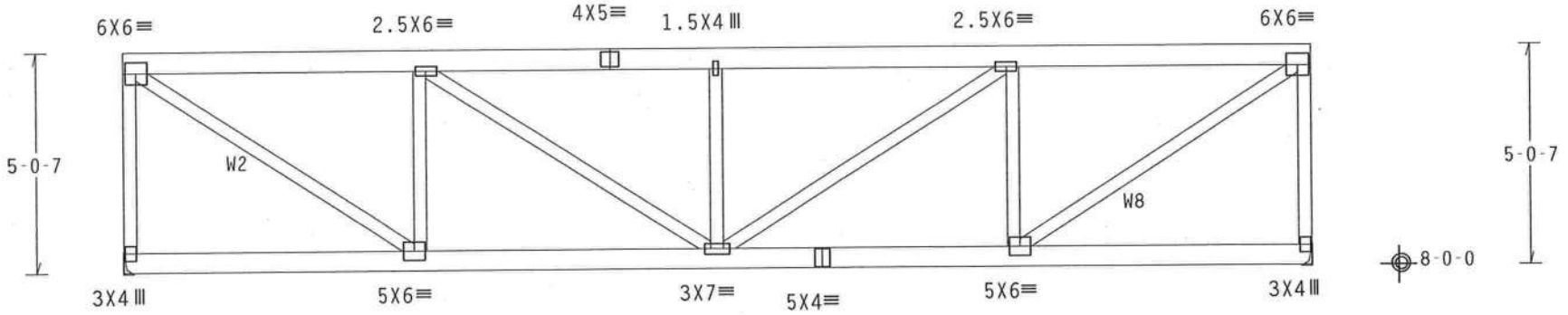
Deflection meets L/360 live and L/240 total load.

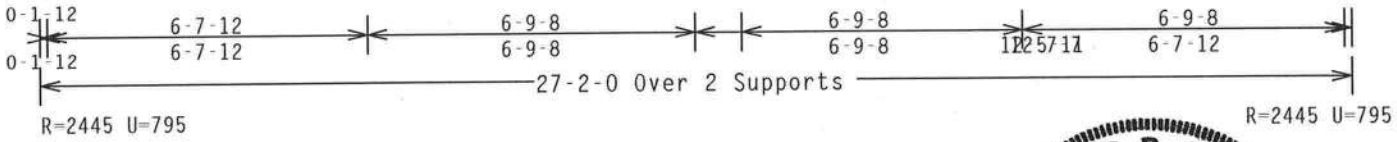
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

Truss must be installed as shown with top chord up.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0809 16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46766
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250022
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155169
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - F9A)

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

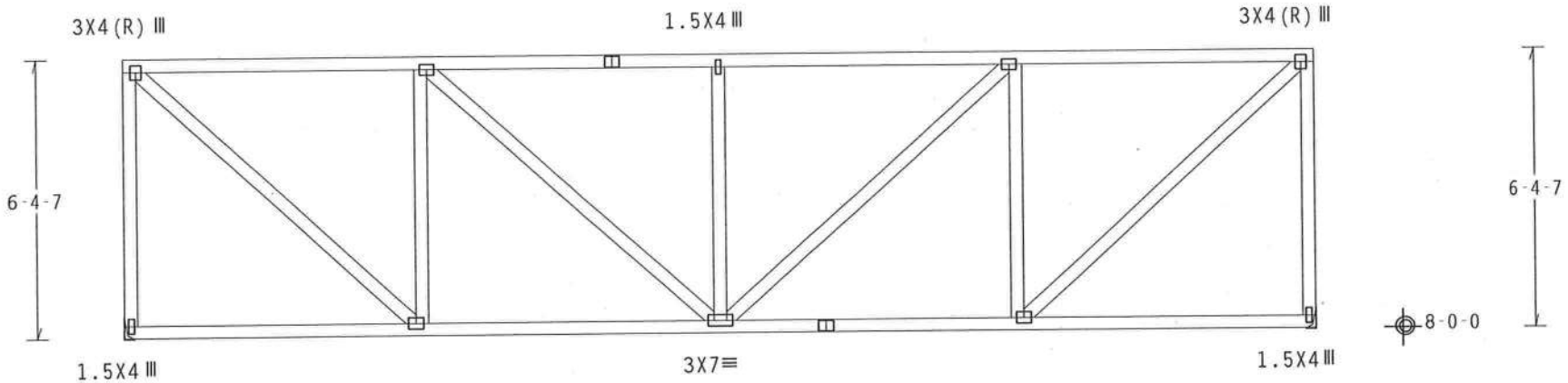
End verticals not exposed to wind pressure.

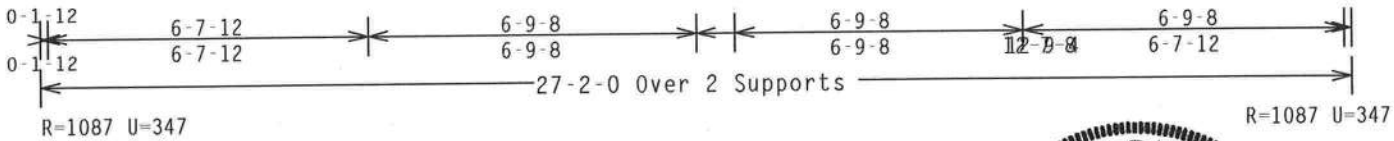
Provide for complete drainage of roof.

110 mph wind, 14.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.

Truss must be installed as shown with top chord up.





Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 5805.16 | Q1V.1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07,'05

TC LL	20.0 PSF	REF R487-- 46767
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250023
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155178
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - F11A)

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

End verticals not exposed to wind pressure.

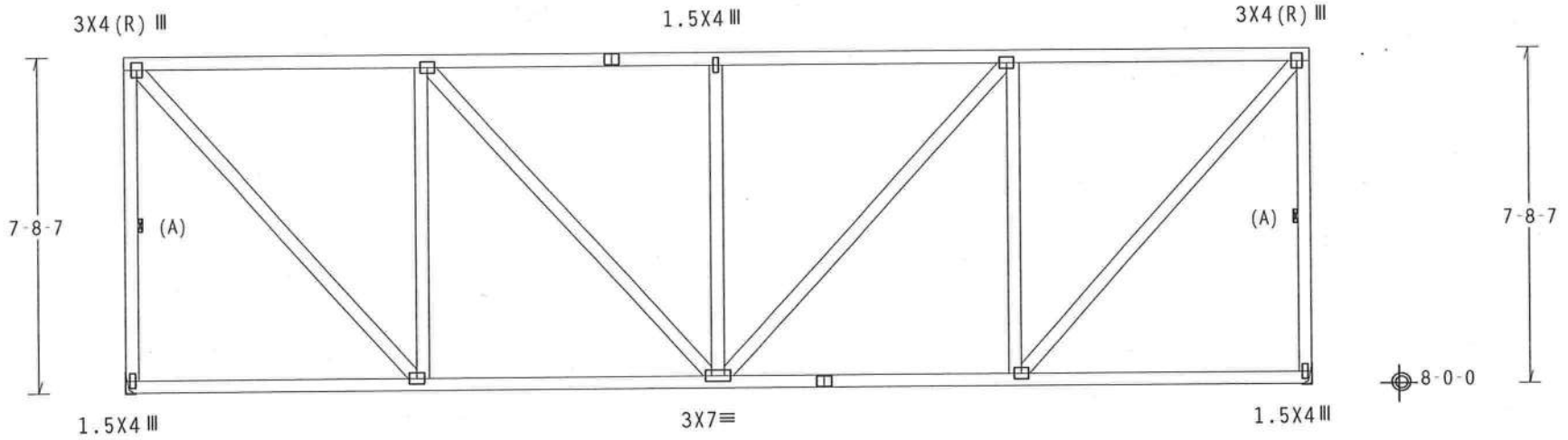
Deflection meets L/360 live and L/240 total load.

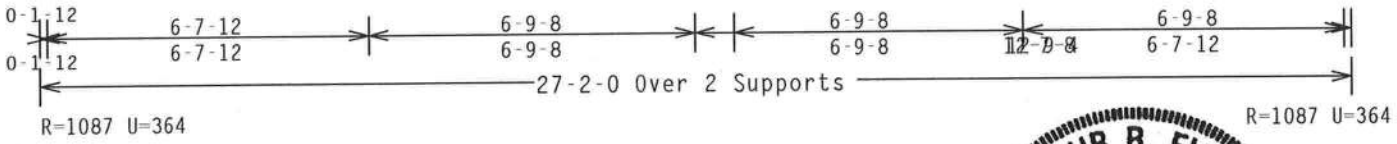
Truss must be installed as shown with top chord up.

110 mph wind, 15.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

Provide for complete drainage of roof.





Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

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

TC LL	20.0 PSF	REF R487-- 46768
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250024
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155185
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - AS)

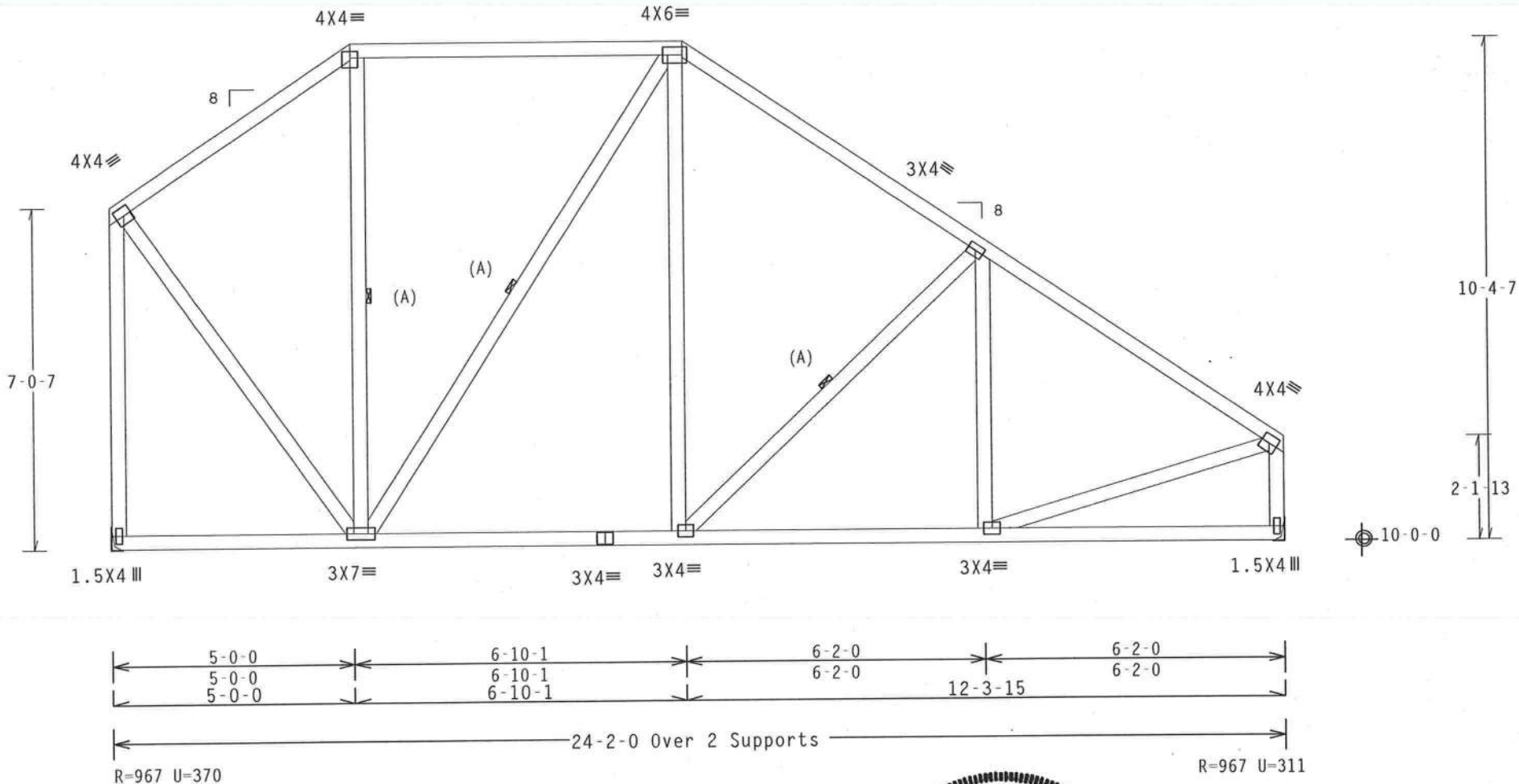
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 16.26 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 6 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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 SEP 7 '05 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R487-- 46769
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250025
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155338
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - B1)

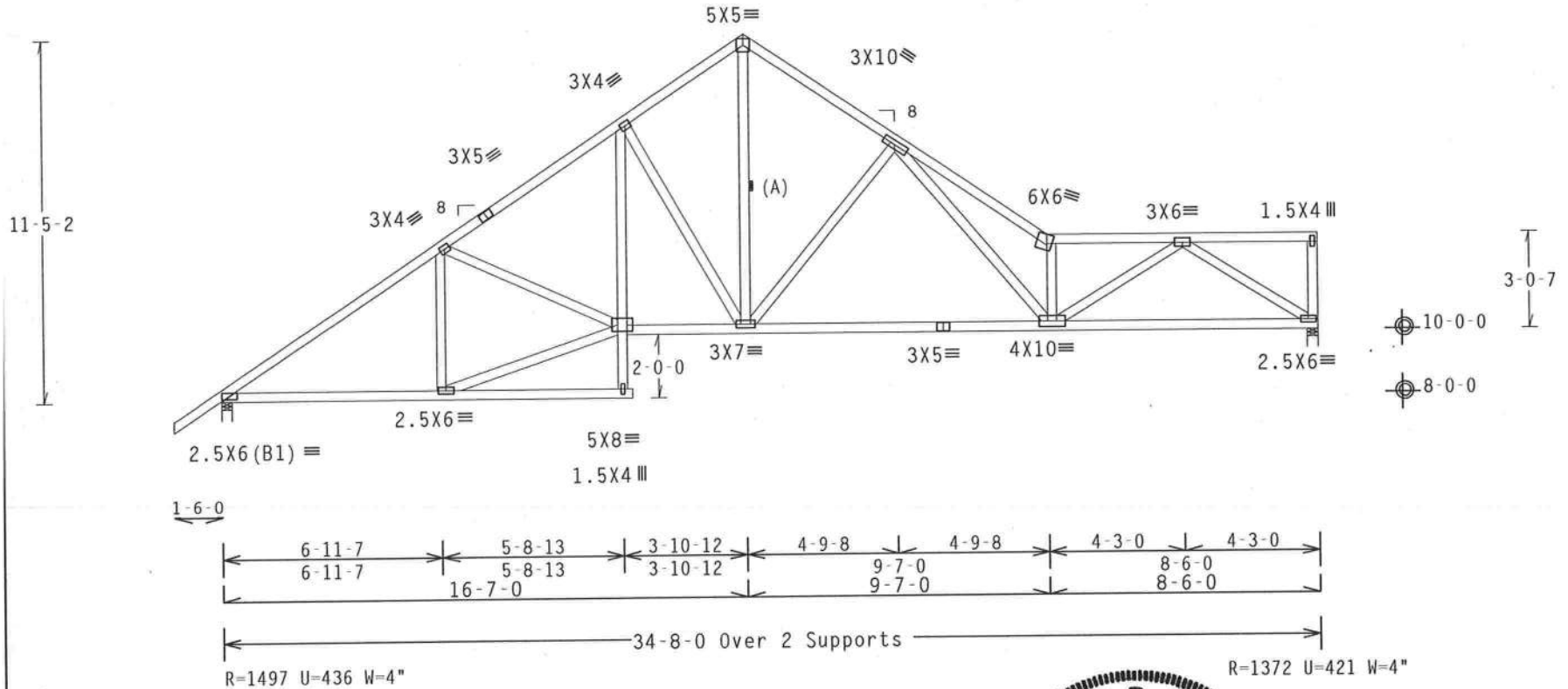
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | 980 | 16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
07-05

TC LL	20.0 PSF	REF R487-- 46770
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250001
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154519
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - B2)

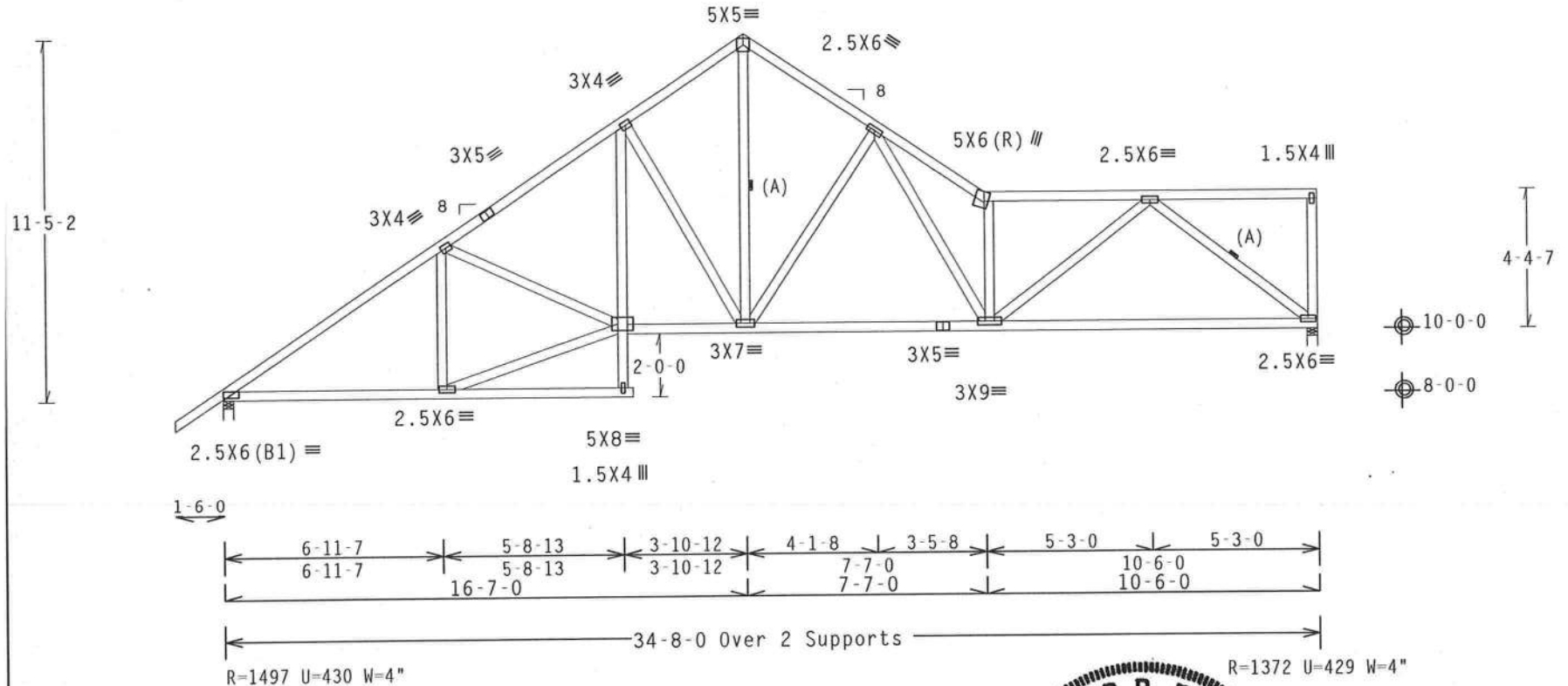
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46771
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250002
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154529
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - B3)

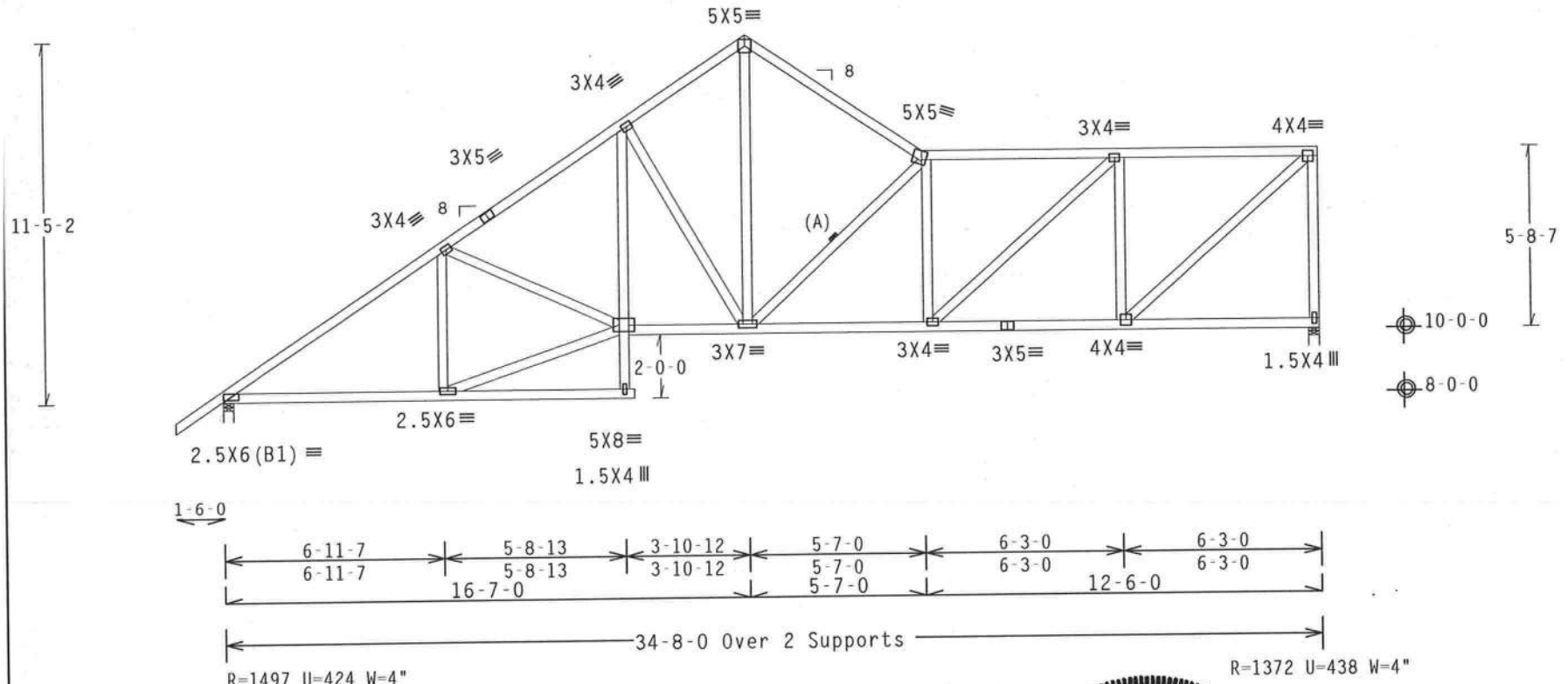
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0003.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEP 07 '05

TCLL	20.0 PSF	REF R487-- 46772
TCDL	10.0 PSF	DATE 09/07/05
BCDL	10.0 PSF	DRW HCUSR487 05250003
BCLL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154540
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - BG)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS :B1 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W6, W9 2x6 SP #2:
:W7, W14, W16 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3:

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 34.67
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 34.67
BC - 2445 LB Conc. Load at 7.06
BC - 1087 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06 19.06, 21.06
BC - 967 LB Conc. Load at 23.06, 25.06, 27.06, 29.06, 31.06 33.06

Deflection meets L/360 live and L/240 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 10d_Common_(0.148"x3",_min.)_nails

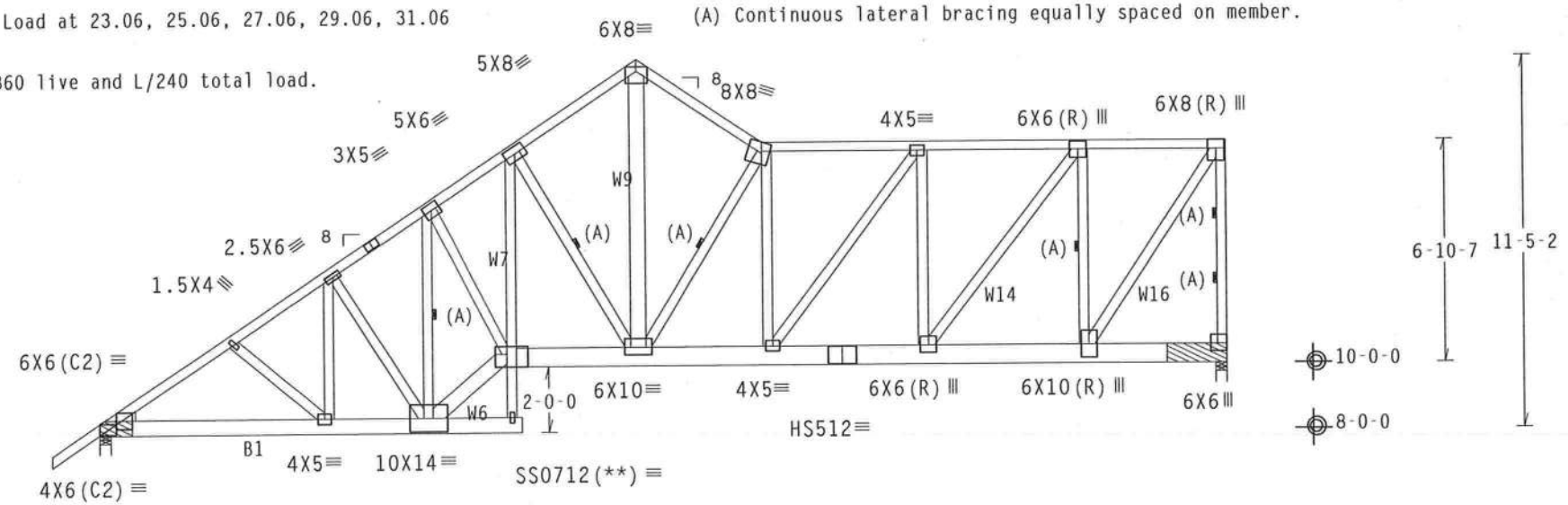
BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
1	0.000'	1	12"	9	Match Truss
2	34.333'	1	22"	27	Match Truss

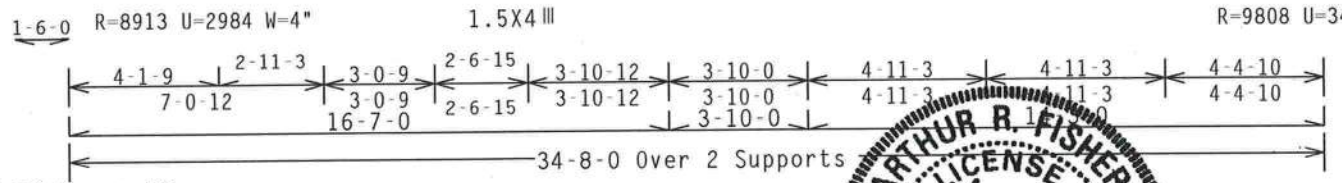
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.





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

Design Crit: TPI-1995(STD)/FBC 7.04 0805.16 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

TC LL	20.0 PSF	REF	R487-- 46773
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250063
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	155461
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SQ9487_Z03

ALPINE

Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H11BT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3, B5 2x6 SP #1 Dense:
Webs 2x4 SP #3

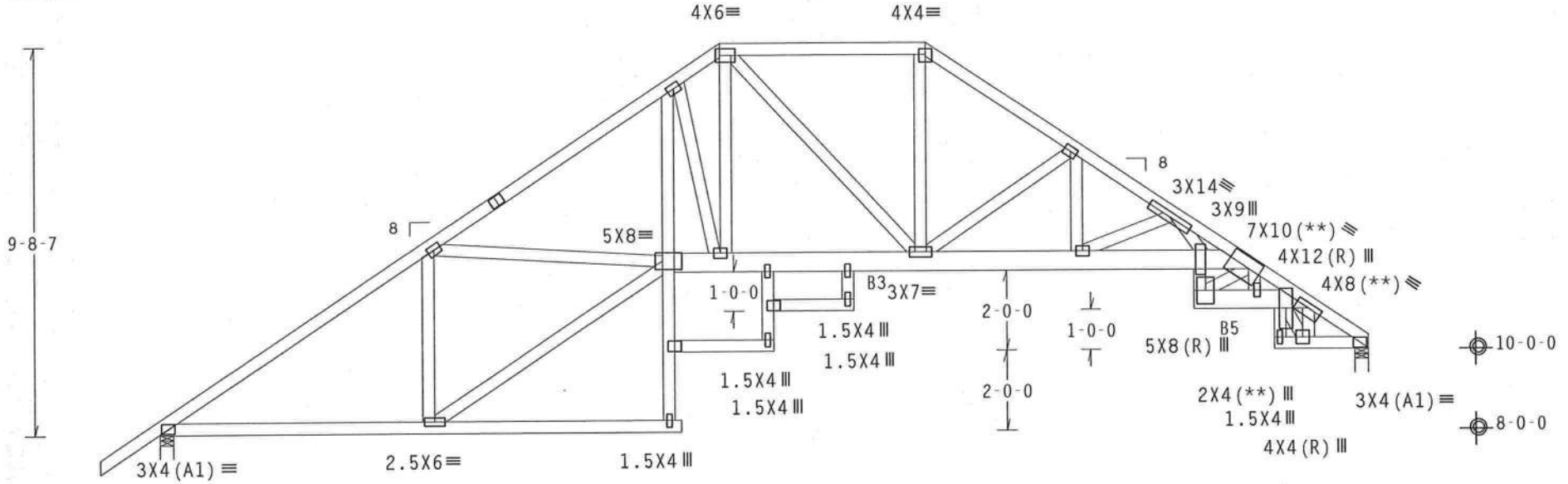
Calculated horizontal deflection is 0.19" due to live load and 0.19" due to dead load.

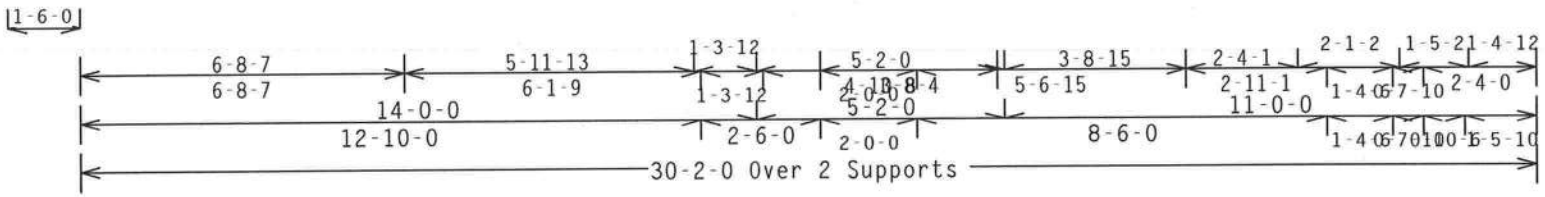
Deflection meets L/360 live and L/240 total load.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

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

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.





R=1306 U=388 W=4"

R=1203 U=357 W=4"

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 080 .16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF	R487-- 46774
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250026
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	154550
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H9BT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3, B5 2x6 SP #1 Dense:
Webs 2x4 SP #3

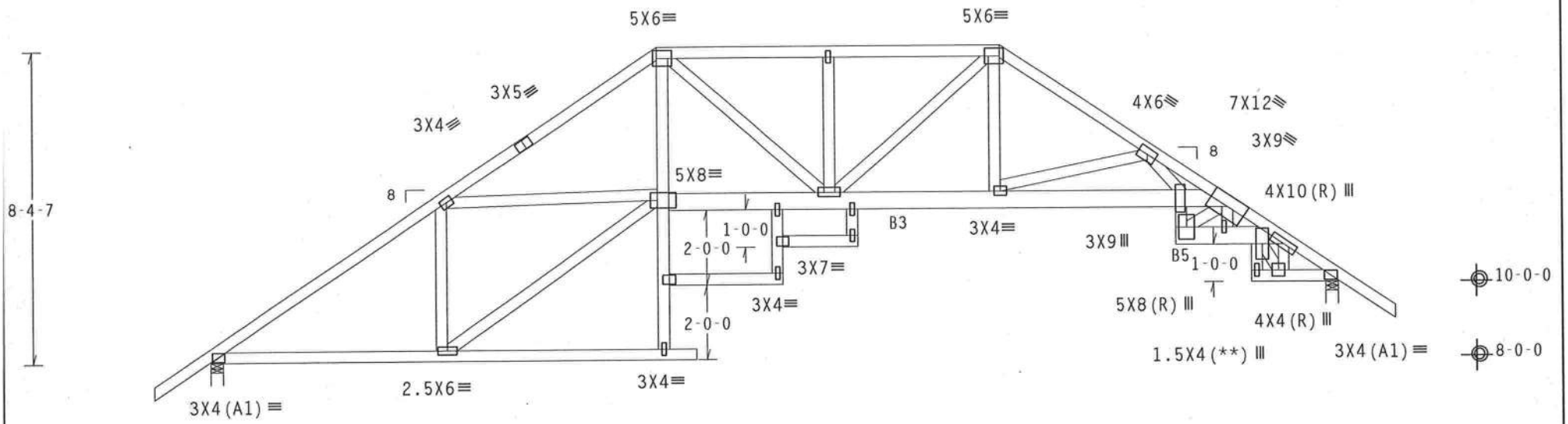
Calculated horizontal deflection is 0.19" due to live load and 0.18" due to dead load.

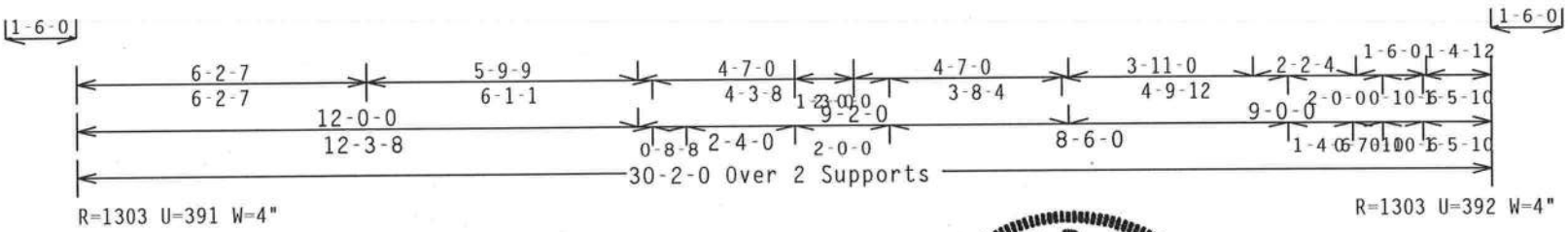
Deflection meets L/360 live and L/240 total load.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

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

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.





Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 [illegible] | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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

TC LL	20.0 PSF	REF R487-- 46775
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250027
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154599
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H7BT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2: :B3 2x8 SP SS:
:B5 2x6 SP SS:
Webs 2x4 SP #3 :W5, W6 2x4 SP #2 Dense:
:W16, W17, W18 2x6 SP #2:

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

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

TC - From	60 PLF	at	-1.50 to	60 PLF	at 15.08
TC - From	30 PLF	at	15.08 to	30 PLF	at 23.08
TC - From	60 PLF	at	23.08 to	60 PLF	at 31.67
BC - From	4 PLF	at	-1.50 to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00 to	20 PLF	at 30.17
BC - From	4 PLF	at	30.17 to	4 PLF	at 31.67

PLB- 802 LB Conc. Load at (7.06,8.04)
PLB- 791 LB Conc. Load at (7.60,8.04)
PLB- 621 LB Conc. Load at (14.73,10.04)
PLB- 74 LB Conc. Load at (15.10,10.04)
PLB- 179 LB Conc. Load at (15.10,15.00)
PLB- 205 LB Conc. Load at (17.10,15.00)
PLB- 205 LB Conc. Load at (17.10,11.04)
PLB- 28 LB Conc. Load at (19.10,12.04)
PLB- 225 LB Conc. Load at (19.10,15.00)
PLB- 28 LB Conc. Load at (21.10,12.04)
PLB- 225 LB Conc. Load at (21.10,15.00)
PLB- 440 LB Conc. Load at (23.10,15.00)
PLB- 408 LB Conc. Load at (23.17,12.04)

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_common_nails)
Top Chord: 1 Row @ 12" o.c.
Bot Chord: 1 Row @ 12" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

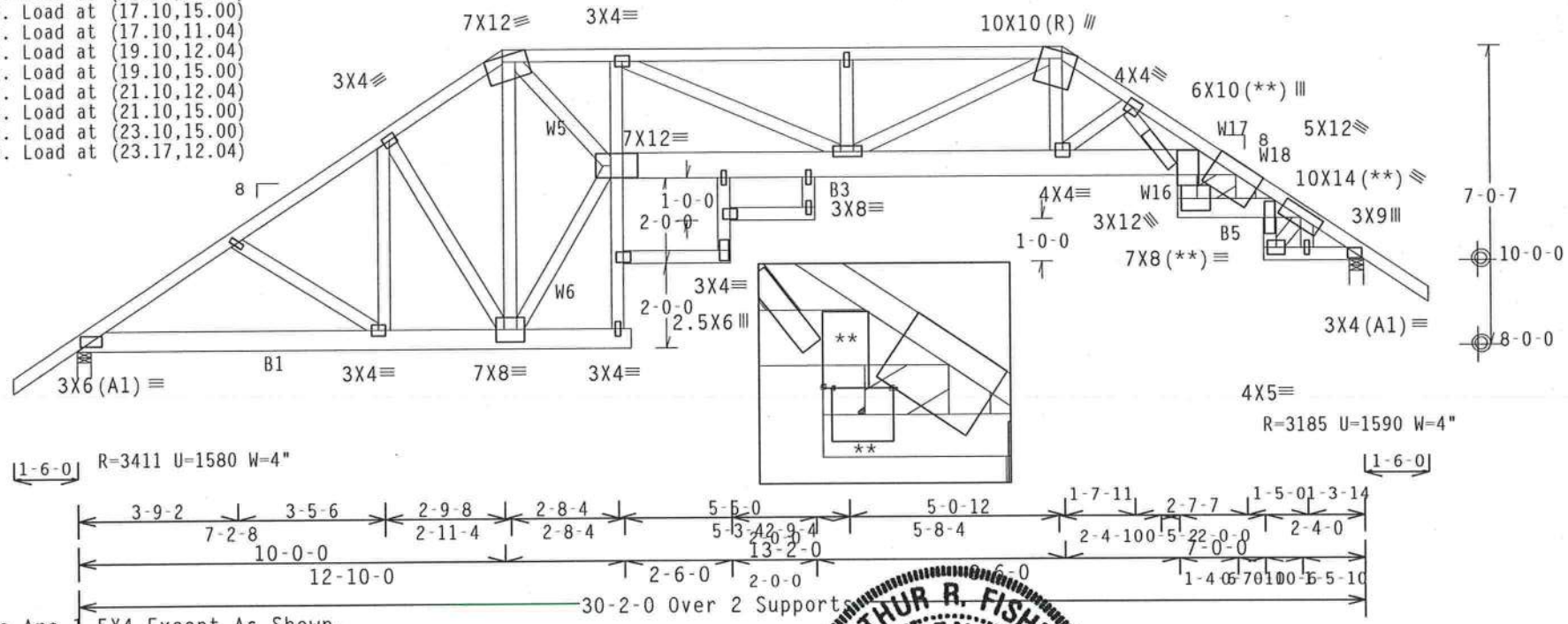
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Calculated horizontal deflection is 0.31" due to live load and 0.29" due to dead load.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.10.222.21 | QTY 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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

TC LL	20.0 PSF	REF R487-- 46776
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250083
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 157063 REV
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H13BT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B4 2x8 SP SS:
Webs 2x4 SP #3 :W17 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 34.17
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 34.17
PLB- 8 LB Conc. Load at (31.27,10.04)

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

Calculated vertical deflection is 0.51" due to live load and 0.50" due to dead load at X = 27-10-0.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

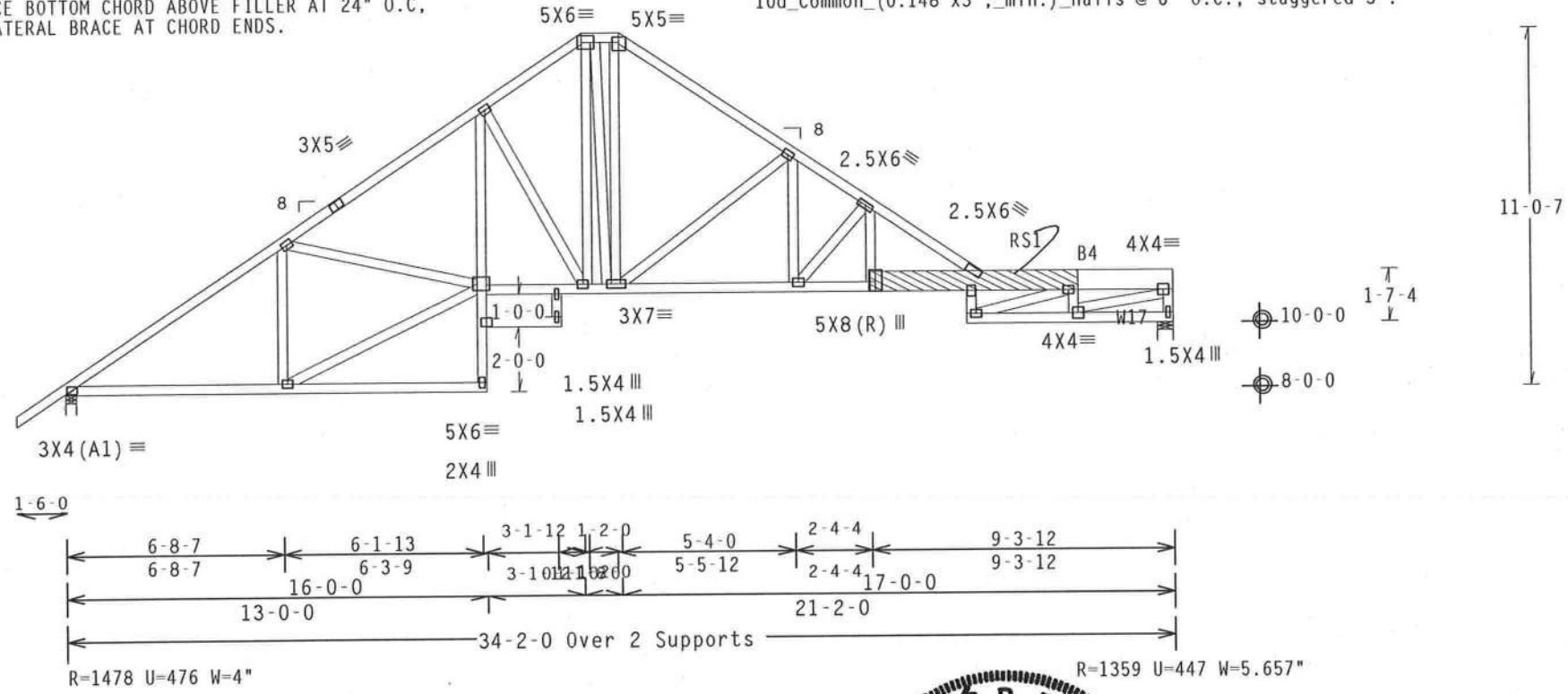
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.

RS1 (1) 2x8X6-5-0 SP SS Bottom chord scab centered 28-0-8 from left end. Attach to one face of chord with (4) rows of 10d_Common_(0.148"x3",_min.)_nails @ 6" O.C., staggered 3".



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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

TC LL	20.0 PSF	REF	R487-- 46777
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250064
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	155107
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SQ9487_Z03

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

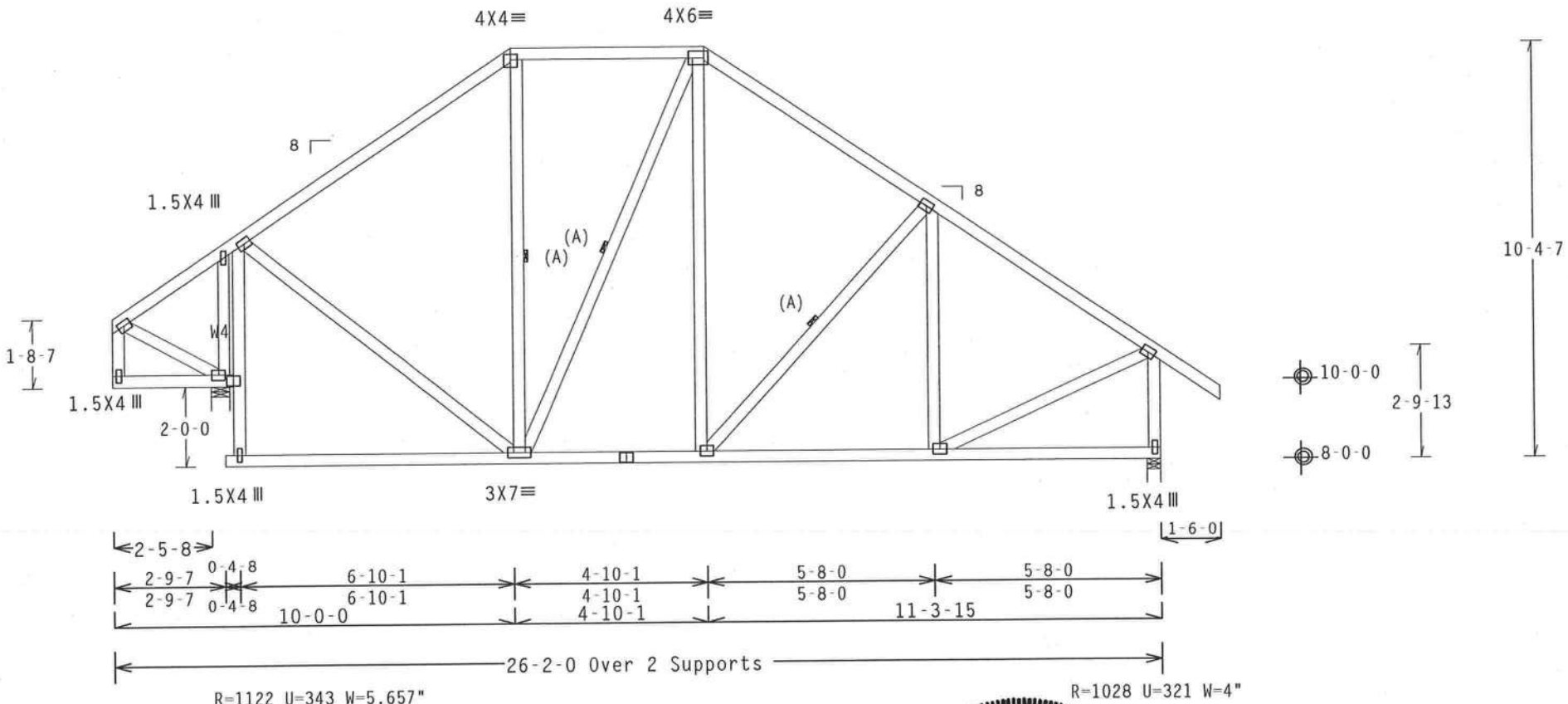
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H15C)

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.09 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04 080[illegible].15 Q1.1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 SEP 07 '05 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R487-- 46778
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250028
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155054
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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

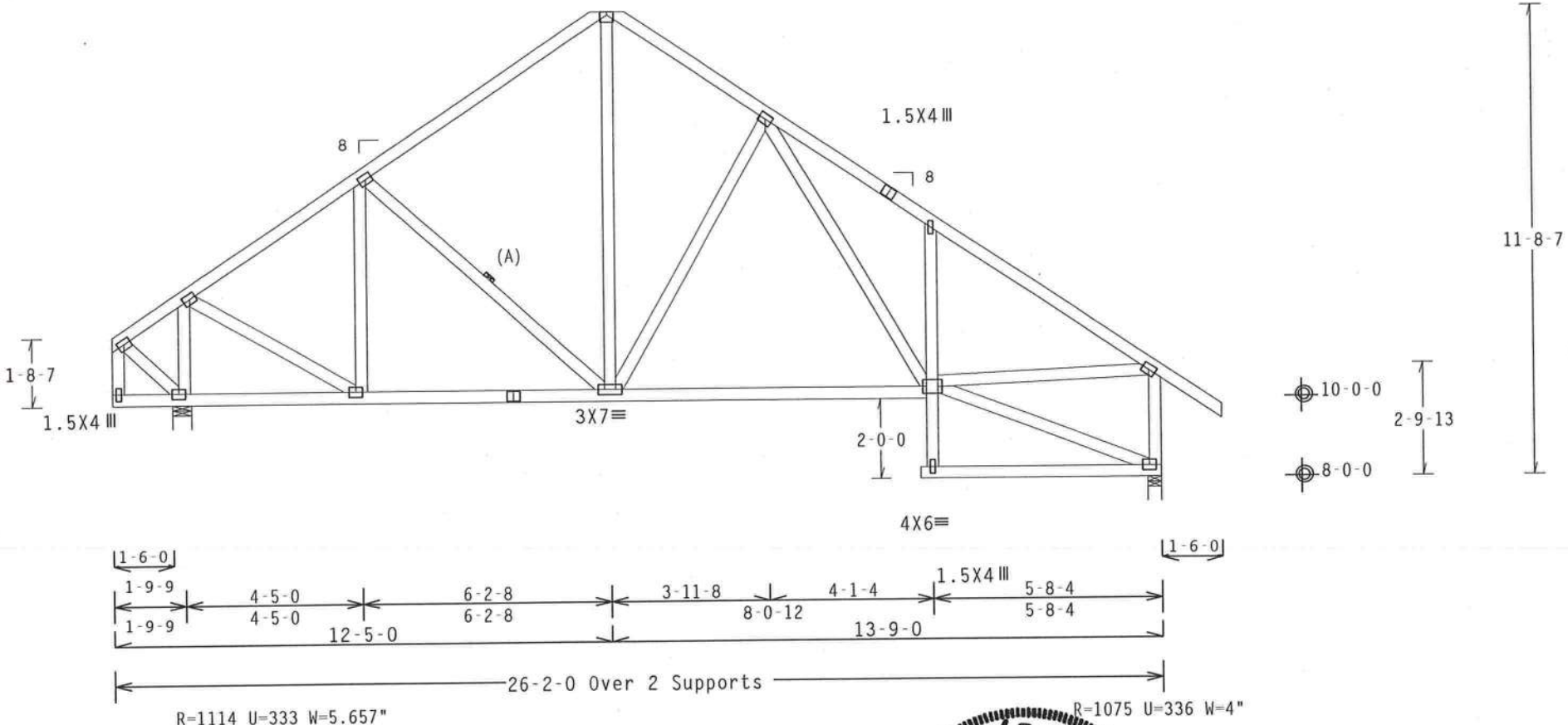
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H17C)

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

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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ALPINE
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1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46779
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250029
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155227
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - C)

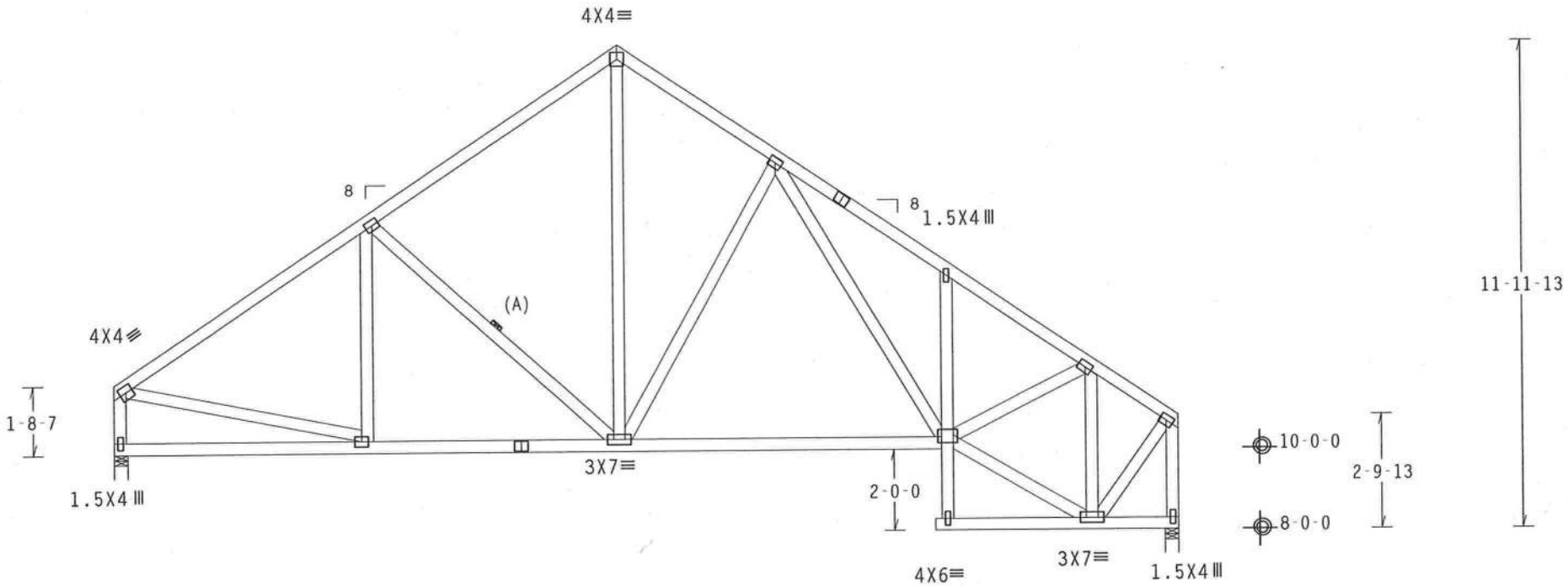
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

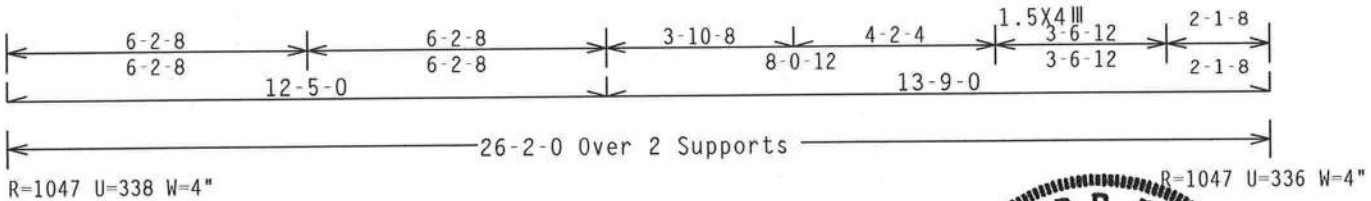
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.





Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0806.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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ALPINE
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1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46780
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250004
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 155236
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S09487 Z03

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

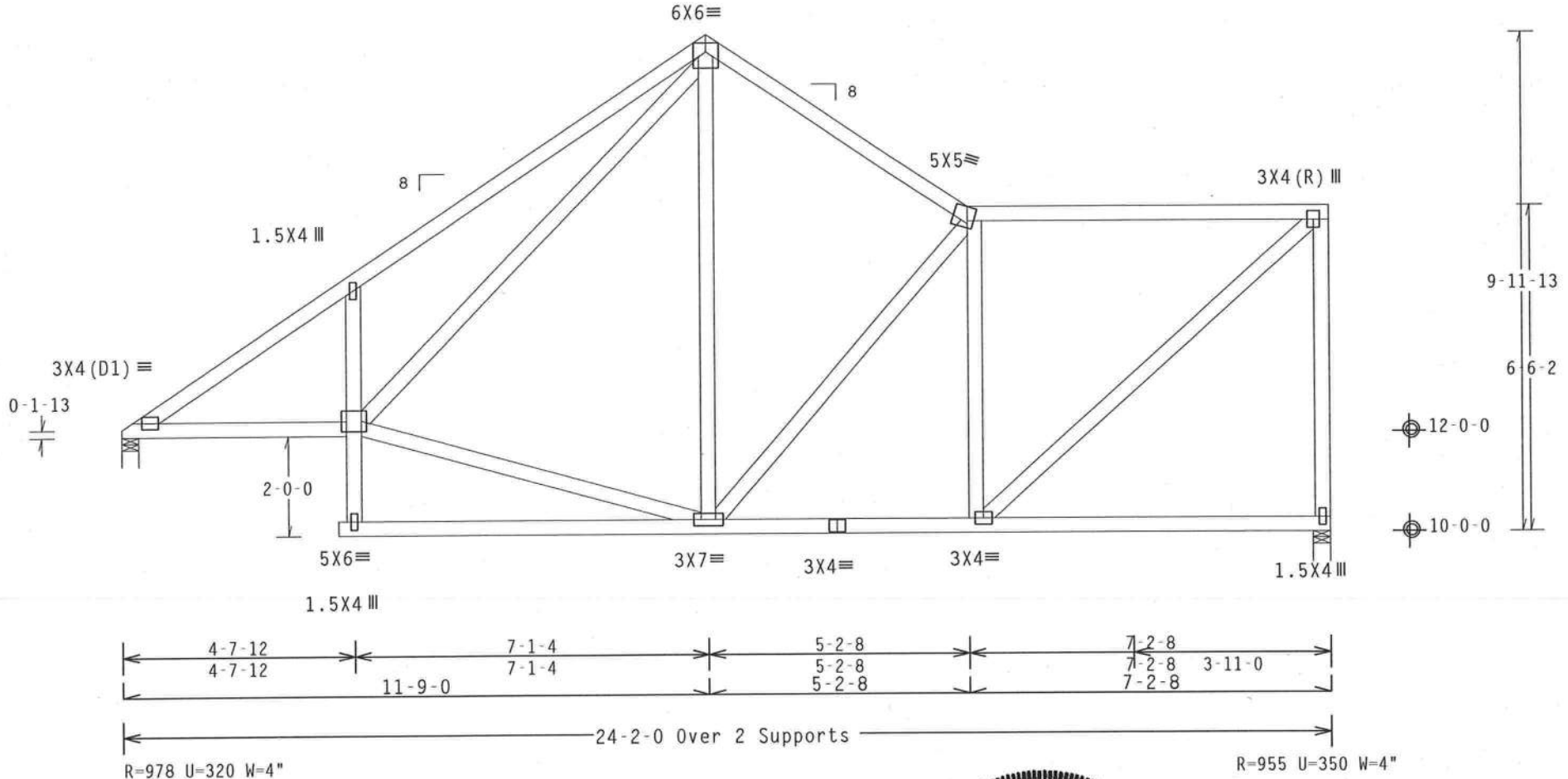
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CS)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 16.14 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0305.16 | QTY 1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
9-7 '05

TC LL	20.0 PSF	REF R487-- 46781
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250030
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155256
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S09487 703

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

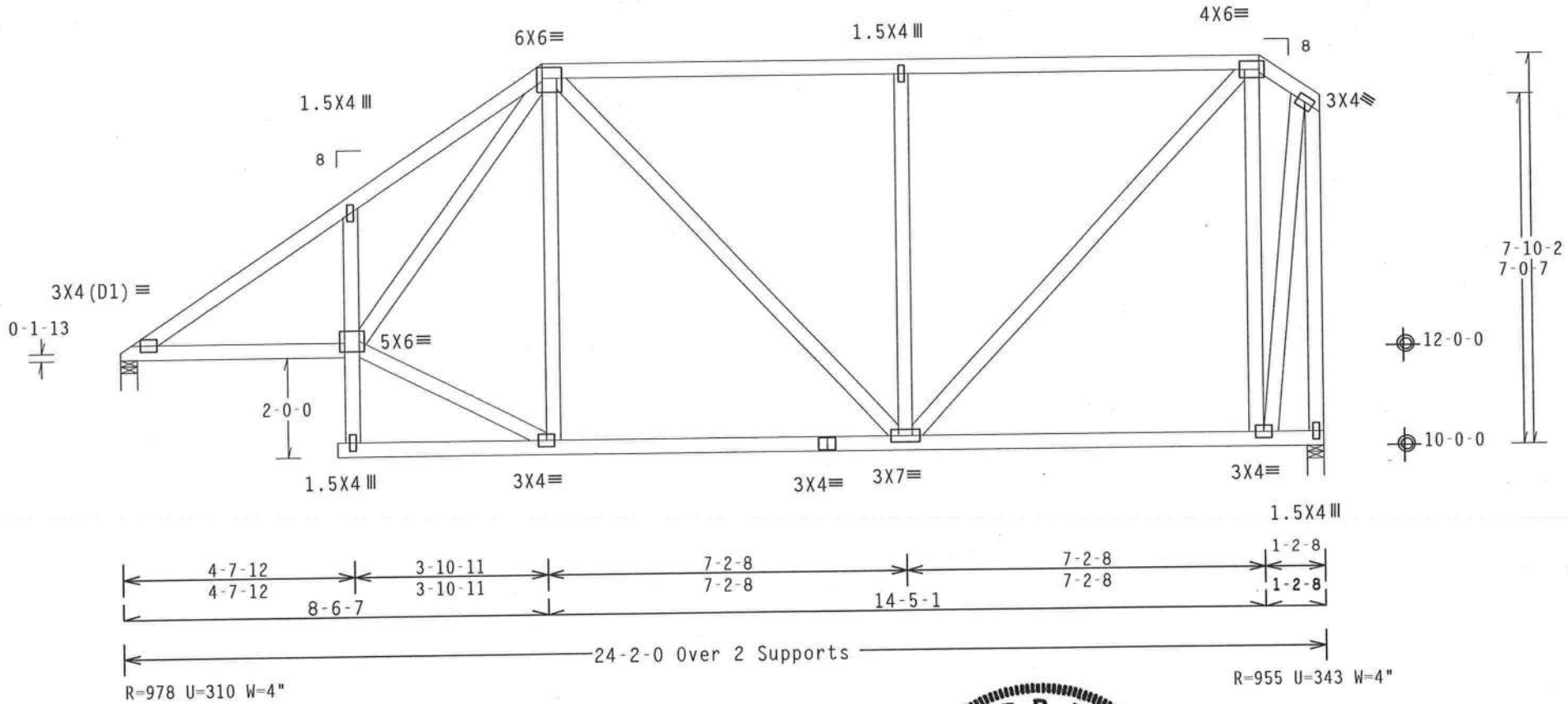
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CS1)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.07 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805.16

QTY: 1

FL/-/4/-/-/R/-

Scale =.3125"/Ft.

ALPINE

Alpine Engineered Products, Inc
1950 Marley Drive

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER SEP 07 '05

TC LL	20.0 PSF	REF R487-- 46782
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250031
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155264
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CS2)

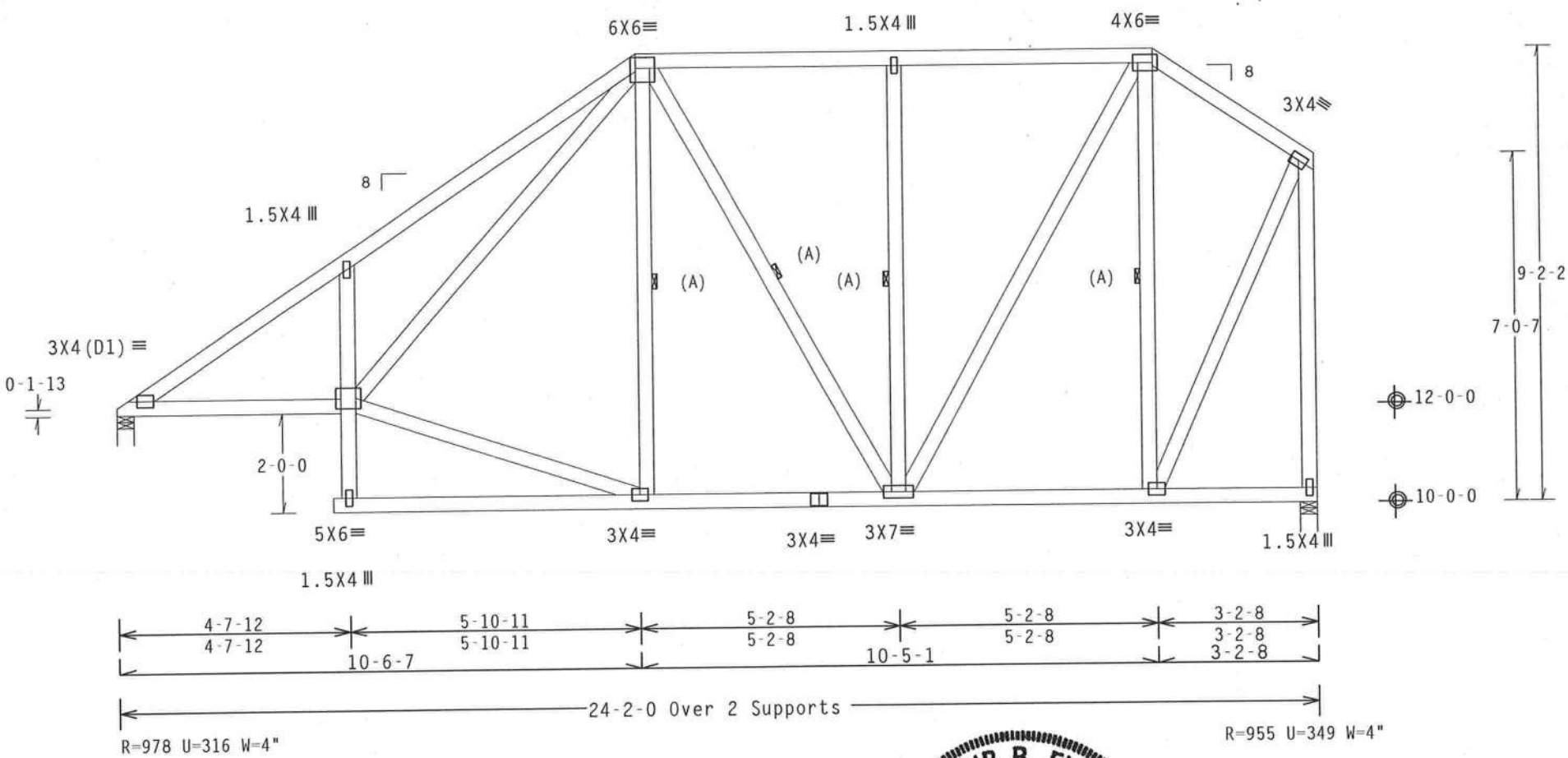
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.73 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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

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

TC LL	20.0 PSF	REF	R487-- 46783
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250032
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	155271
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1S09487 Z03

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

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CS3)

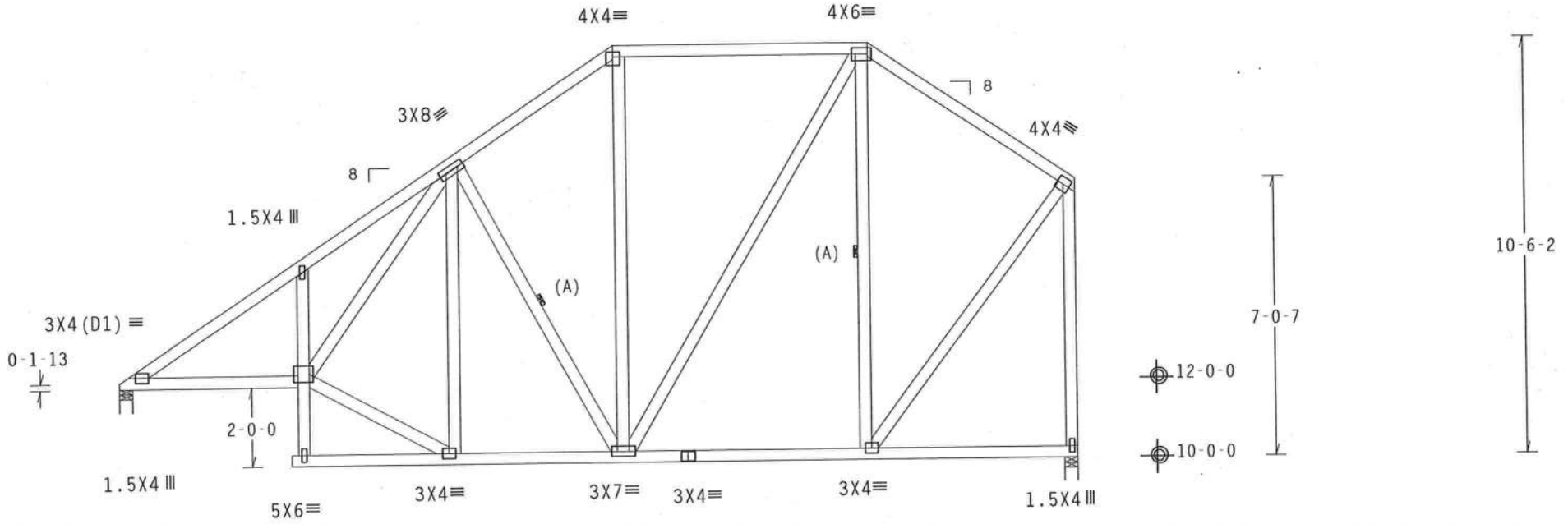
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 16.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



4-7-12	3-9-8	4-4-12	6-1-9	5-2-8
4-7-12	3-9-8	4-1-4	6-5-1	5-2-8
	12-6-7		6-5-1	5-2-8

24-2-0 Over 2 Supports

R=978 U=322 W=4"

R=955 U=354 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805.16

QTY. 1

FL/-/4/-/-/R/-

Scale =.25"/Ft.

ALPINE

Alpine Engineered Products, Inc
1950 Marley Drive

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TC LL	20.0 PSF	REF R487-- 46784
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250033
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155280
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H7CT)

Top chord 2x6 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense :B1 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

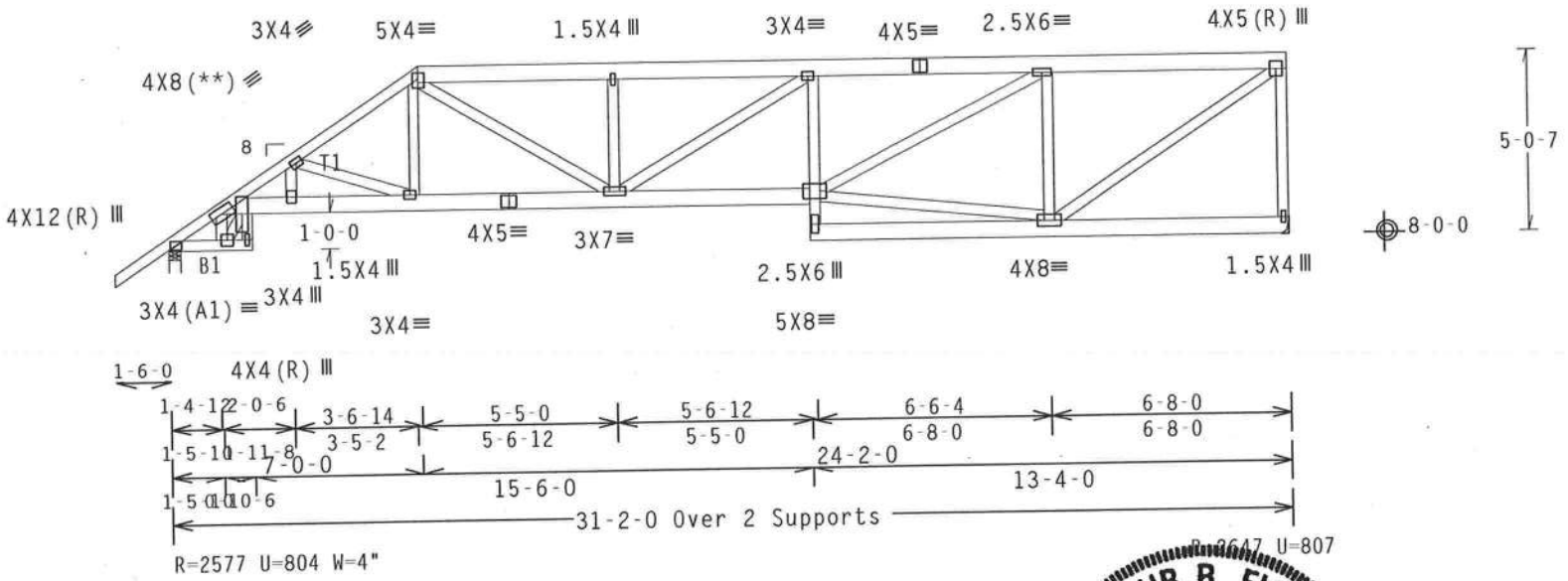
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_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.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
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1950 Marley Drive

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TC LL	20.0 PSF	REF R487-- 46785
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250034
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154994
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

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

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H9CT)

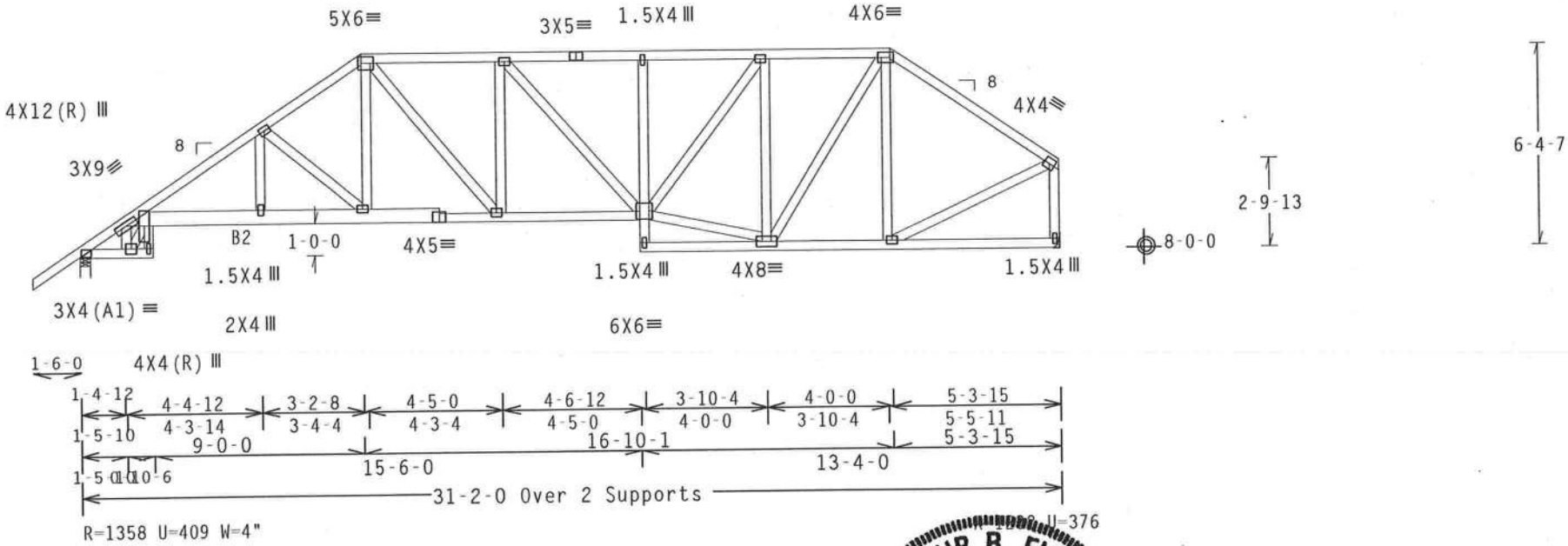
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | 805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE

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1950 Marley Drive

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

TC LL	20.0 PSF	REF R487-- 46786
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250035
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155015
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

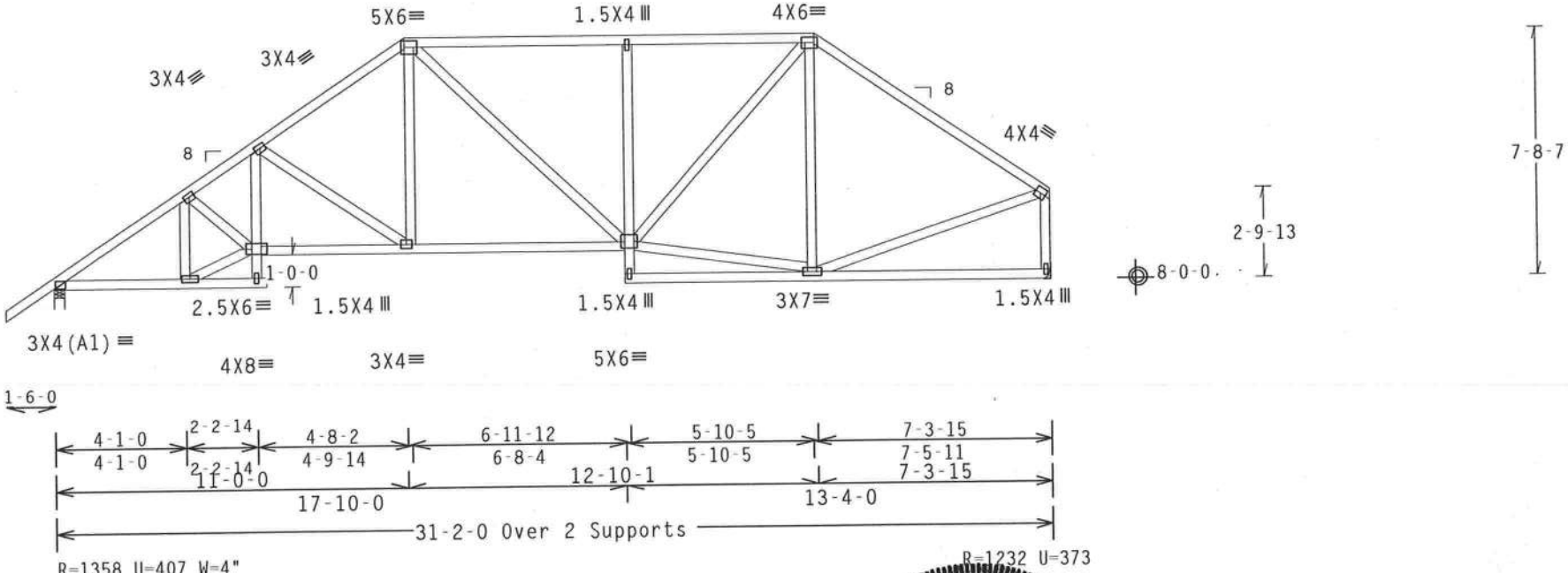
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H11CT)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | Q1.4.1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
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TC LL	20.0 PSF	REF R487-- 46787
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250036
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155028
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H13CT)

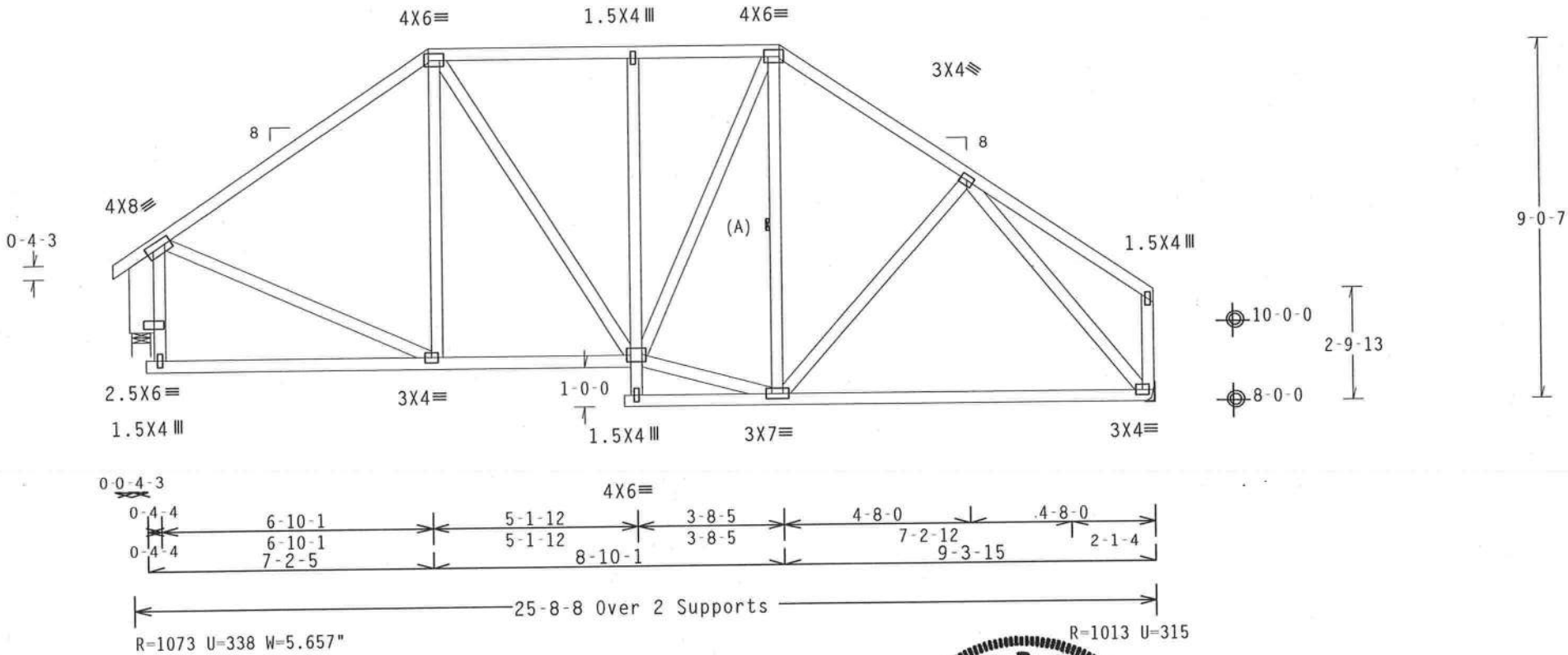
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Bearing Leg 2x8 SP SS:

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 13.93 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.806.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

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TC LL	20.0 PSF	REF R487-- 46788
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250037
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155043
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - DGE)

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 81 PLF at -1.50 to 81 PLF at 24.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.50
BC - From 4 PLF at 22.50 to 4 PLF at 24.00

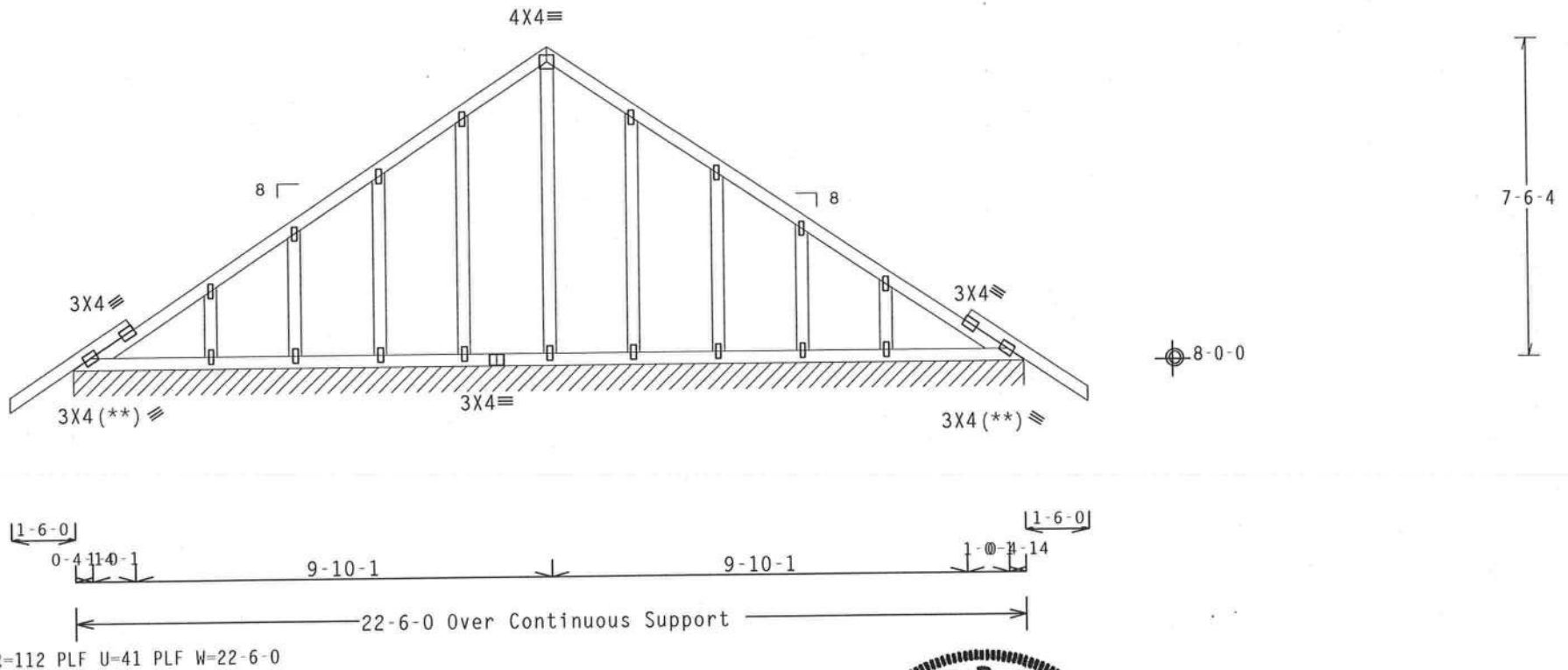
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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

110 mph wind, 11.45 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0809.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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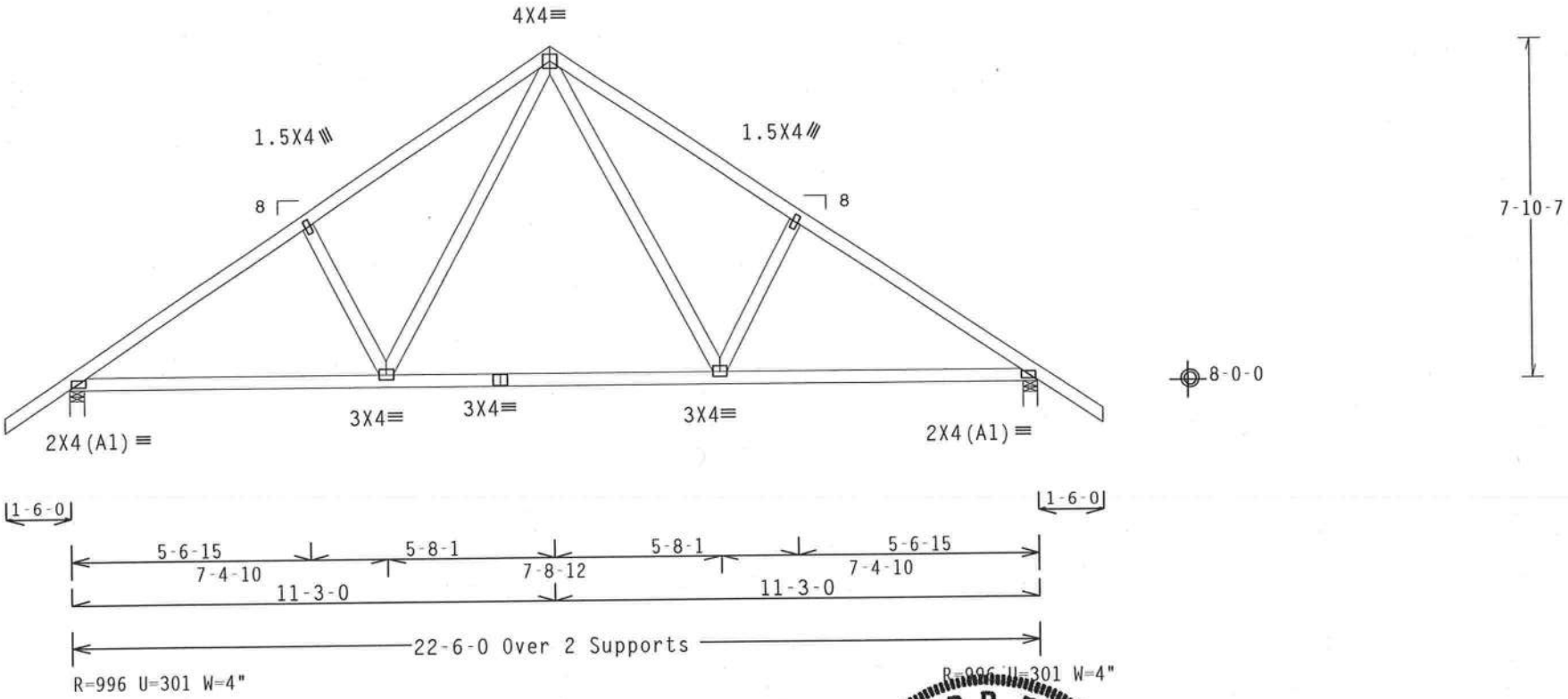
TC LL	20.0 PSF	REF R487-- 46789
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250038
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154491
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - D)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.62 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | 805.16 | QTY:11 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

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1950 Marley Drive

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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

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

TC LL	20.0 PSF	REF R487-- 46790
TC DL	10.0 PSF	DATE 09/07/05
TC DL	10.0 PSF	DRW HCUSR487 05250005
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154500
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S09487 Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - DG)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:

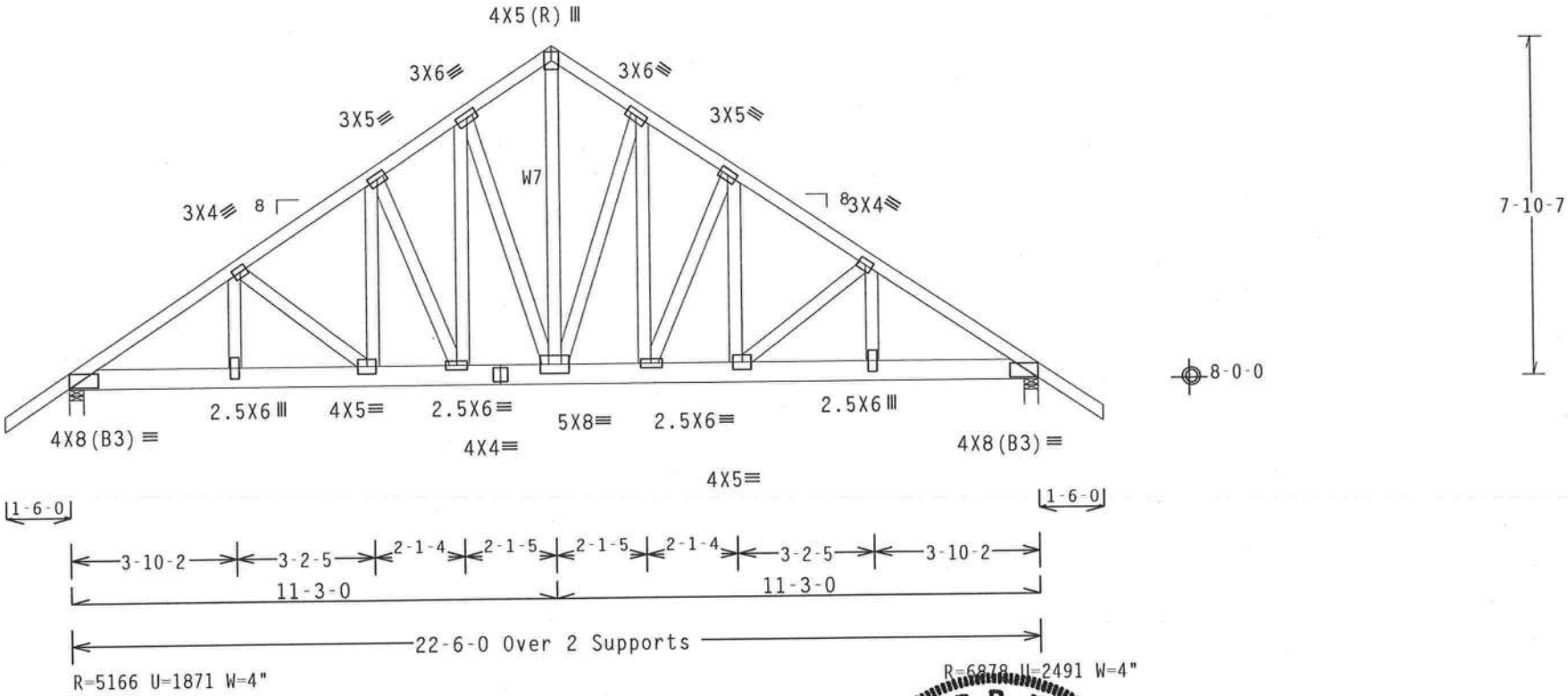
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 24.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.50
BC - From 4 PLF at 22.50 to 4 PLF at 24.00
BC - 2445 LB Conc. Load at 7.06
BC - 1087 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06
19.06, 21.06

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" 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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

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ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07,'05

TC LL	20.0 PSF	REF R487-- 46791
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250065
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155421
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

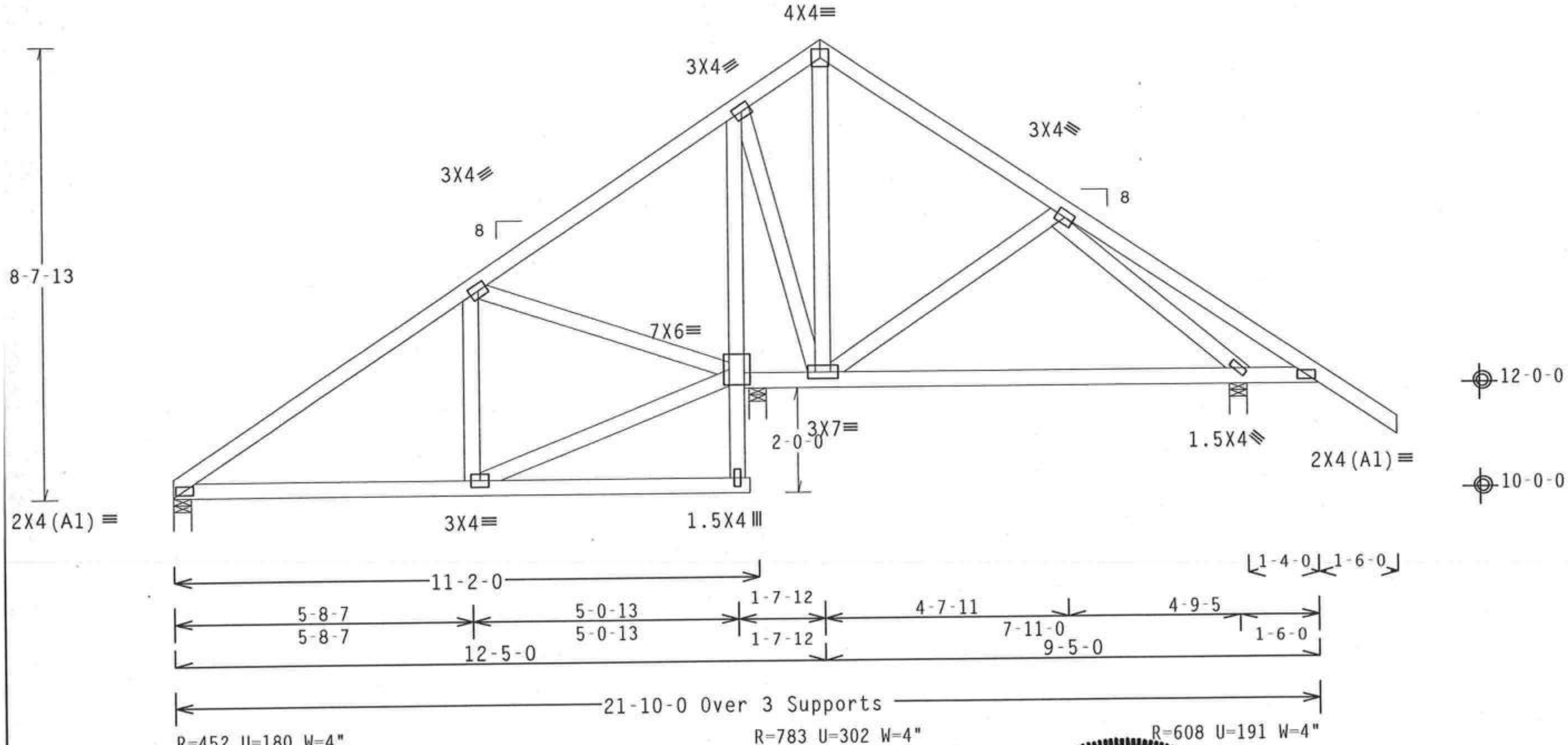
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - E)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 14.51 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0805.16 QTY:1 FL/-/4/-/-/R/-

Scale =.3125"/Ft.

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ALPINE

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1950 Marley Drive
Haines City, FL 33844

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07 '05

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487-- 46792
DATE	09/07/05
DRW	HCUSR487 05250039
HC-ENG	DF/AF
SEQN-	154470
JREF-	1S09487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EGE)

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

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

TC - From	81 PLF	at 0.00	to	81 PLF	at 15.73
TC - From	60 PLF	at 15.73	to	60 PLF	at 23.33
BC - From	20 PLF	at 0.00	to	20 PLF	at 21.83
BC - From	4 PLF	at 21.83	to	4 PLF	at 23.33

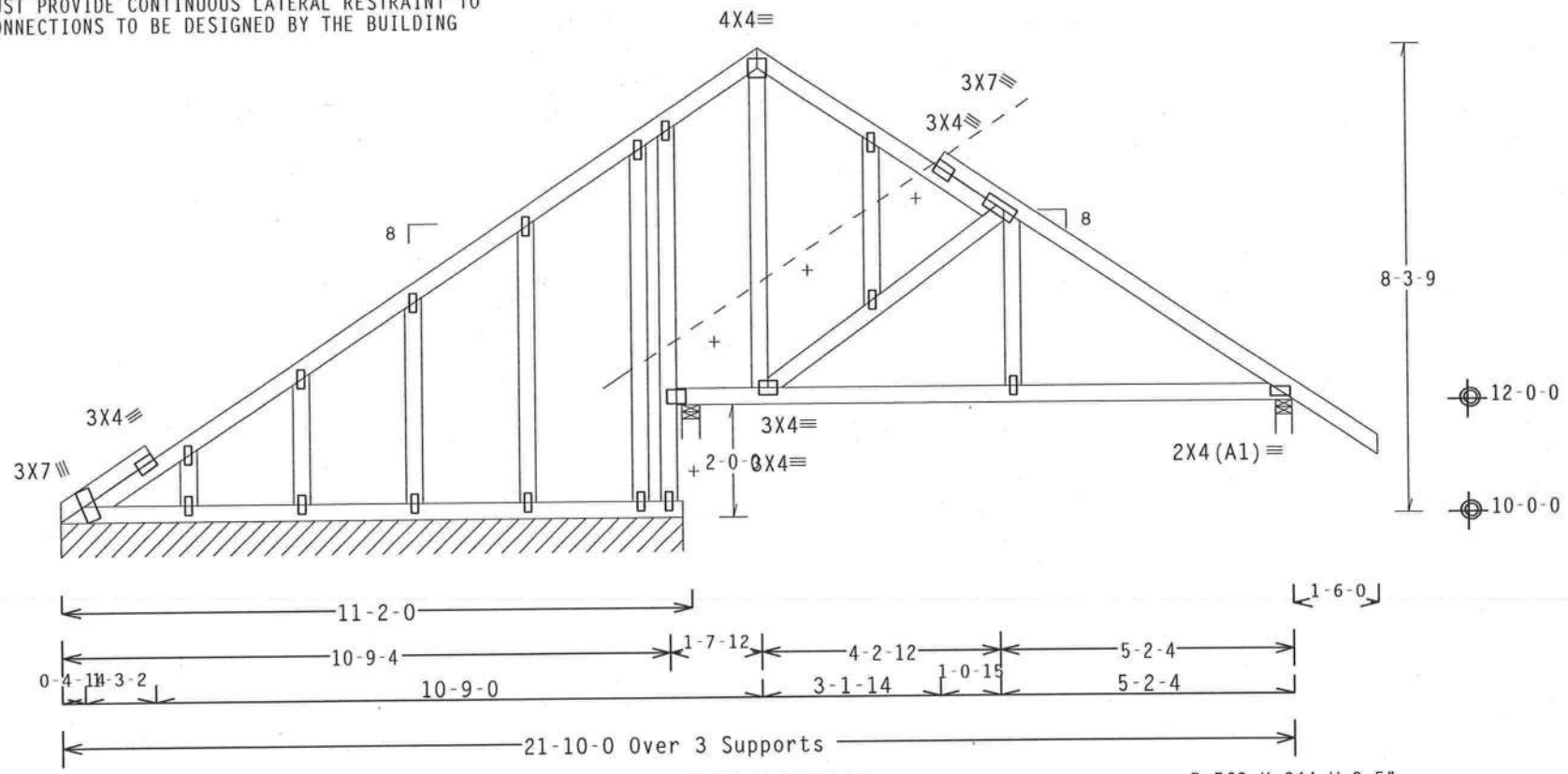
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 14.30 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04.806.16 QTY.1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07 '05

TC LL	20.0 PSF	REF R487-- 46793
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250066
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154482
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EG)

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

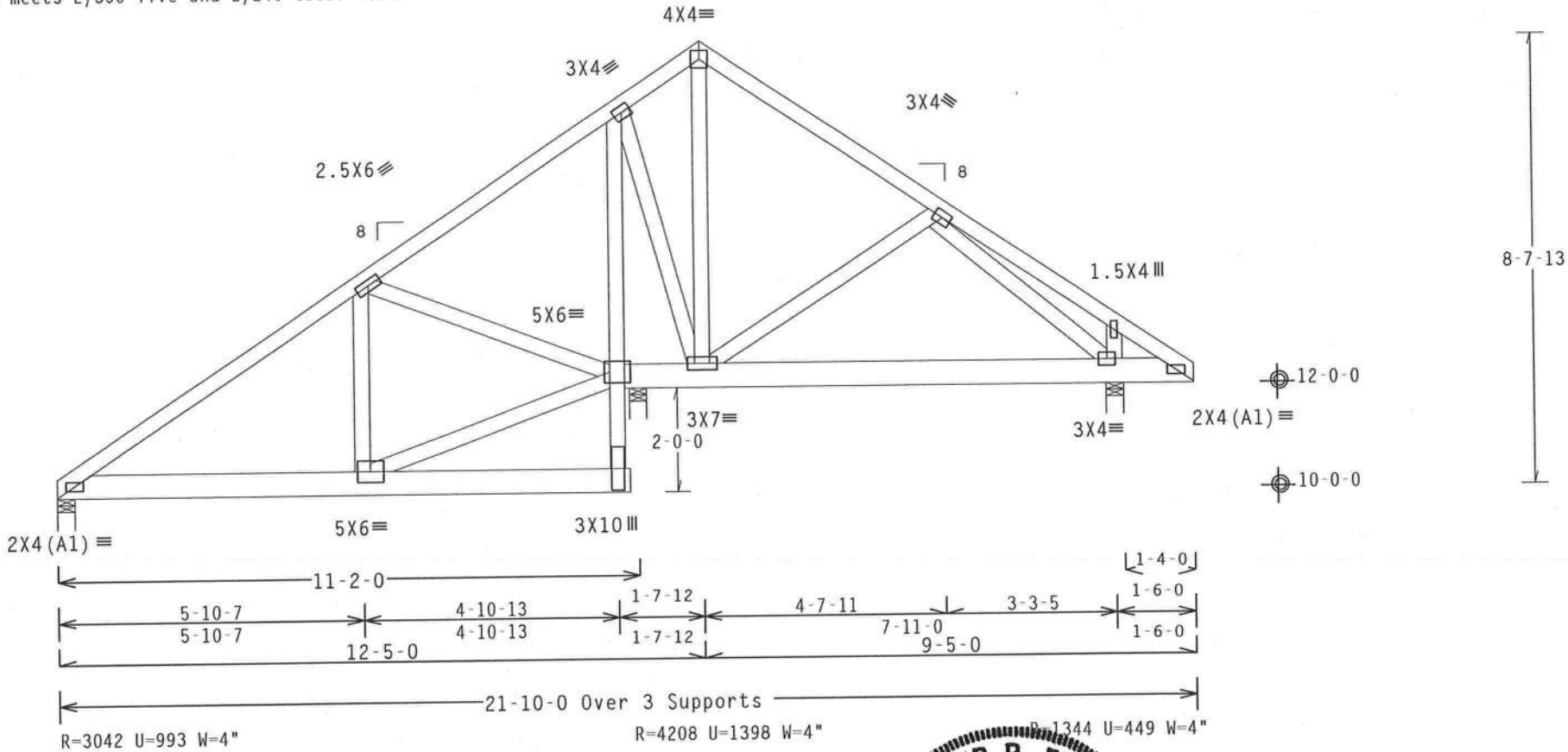
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 21.83
BC - From 20 PLF at 0.00 to 20 PLF at 21.83
BC - 967 LB Conc. Load at 0.90, 2.90, 4.90, 6.90, 8.90
10.90
BC - 1047 LB Conc. Load at 20.77

Deflection meets L/360 live and L/240 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.00" 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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE
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1950 Marley Drive

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Sep 07,05

TC LL	20.0 PSF	REF R487-- 46794
TC DL	10.0 PSF	DATE 09/07/05
TC DL	10.0 PSF	DRW HCUSR487 05250067
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155407
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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

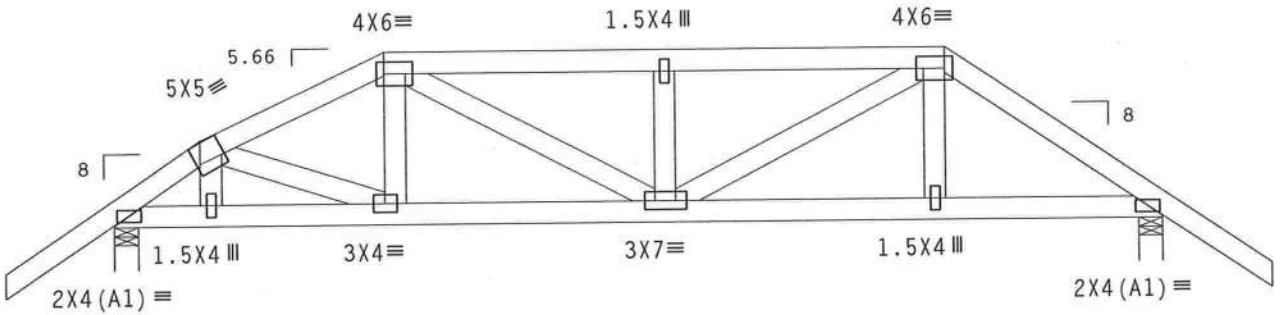
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H3F)

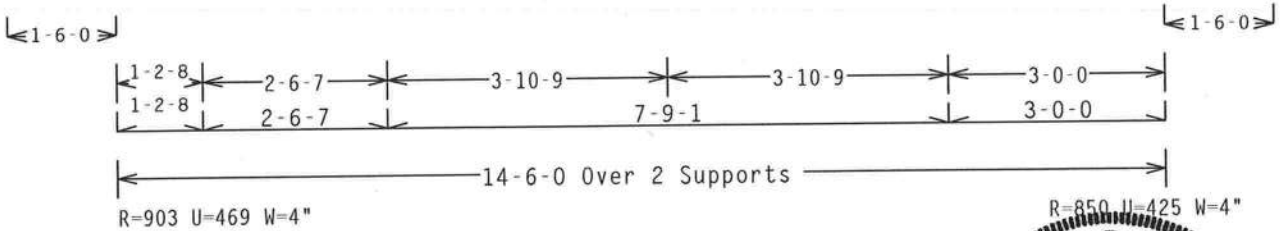
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

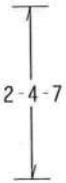
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

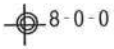
Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 16.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.50
BC - From 4 PLF at 14.50 to 4 PLF at 16.00
TC - 48 LB Conc. Load at 3.81, 5.27
BC - 22 LB Conc. Load at 3.81, 5.27
BC - 261 LB Conc. Load at 7.27









PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0809.16

QTY.1

FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
ED 07 '05

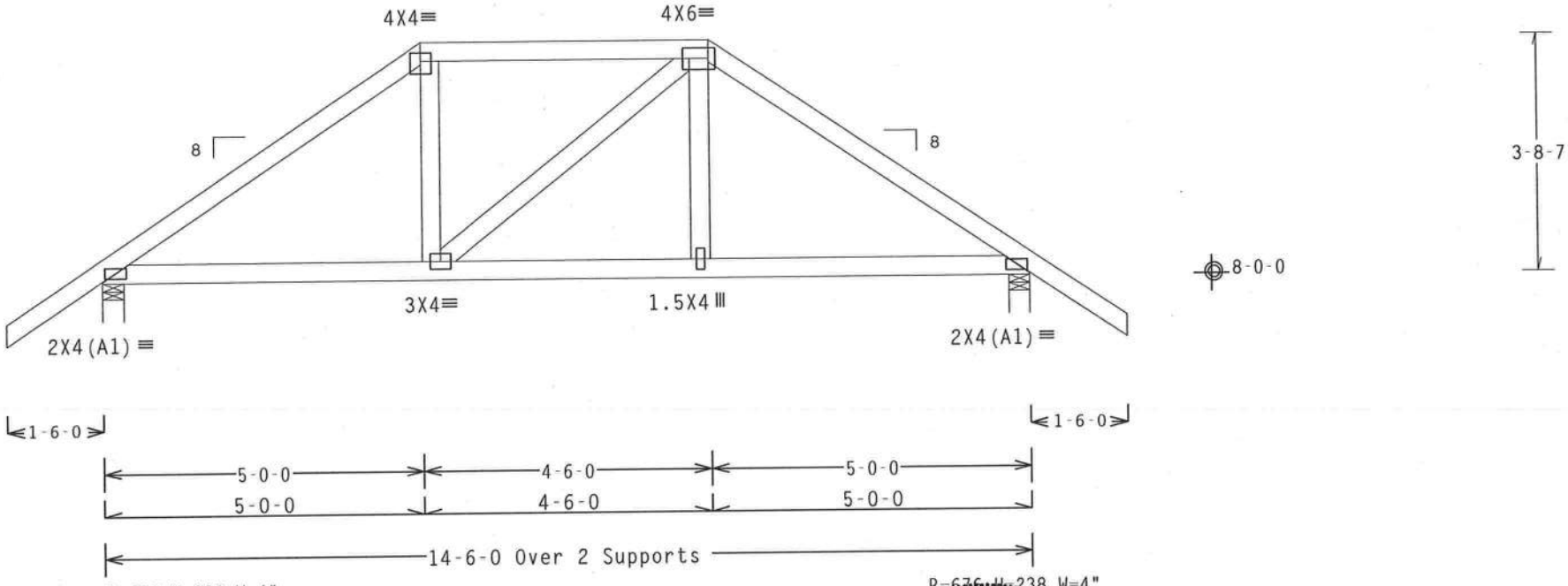
TC LL	20.0 PSF	REF R487-- 46795
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250068
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154506
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H5F)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.805.16

QTY:1

FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Dec 07,05

TC LL	20.0 PSF	REF R487-- 46796
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250006
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154510
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S09487 Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - FG)

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

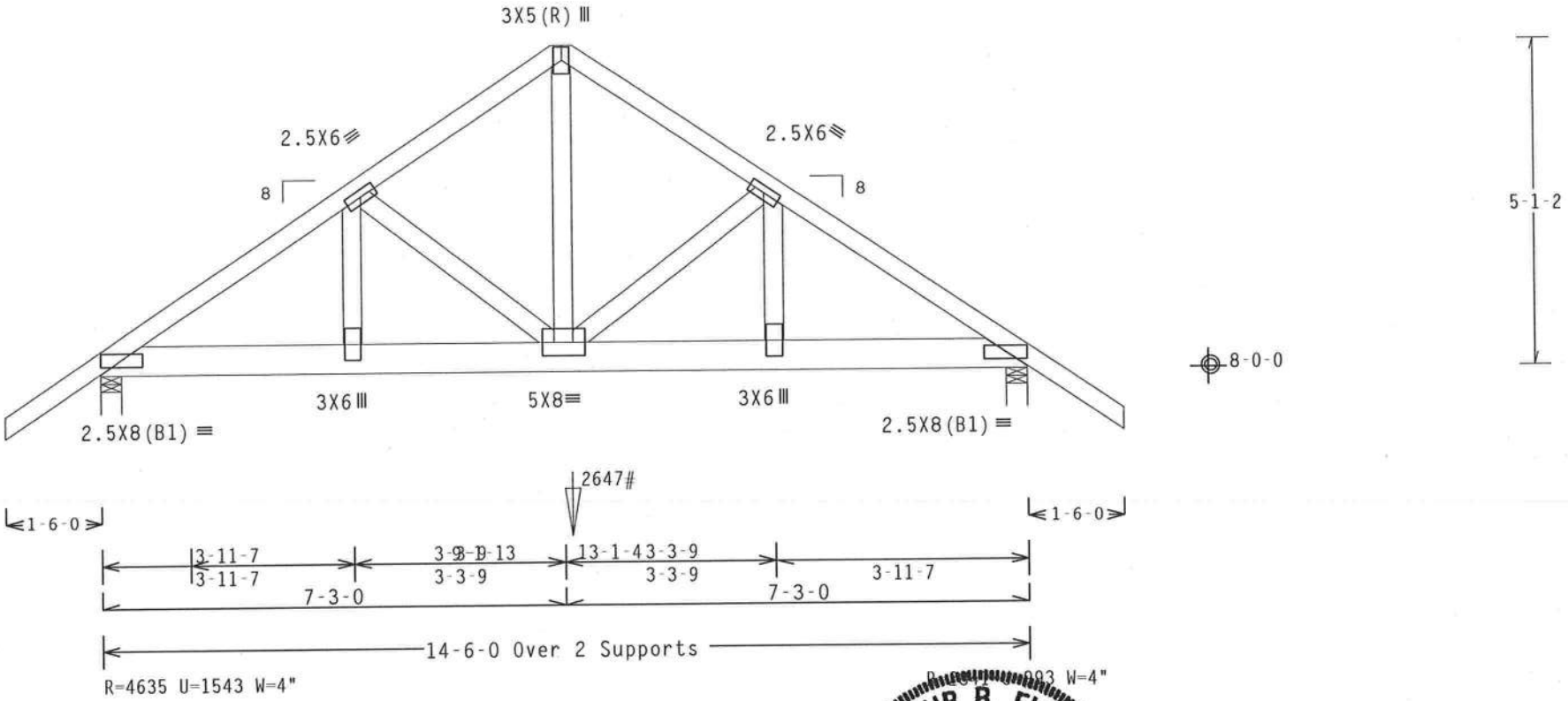
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 16.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 14.50
BC - From 4 PLF at 14.50 to 4 PLF at 16.00
BC - 1013 LB Conc. Load at 1.44
BC - 1232 LB Conc. Load at 3.44, 5.44
BC - 2647 LB Conc. Load at 7.37

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_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, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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

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

TC LL	20.0 PSF	REF R487-- 46797
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250069
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155244
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S09487 Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - GGE)

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

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

TC - From	81 PLF	at	-1.50	to	81 PLF	at 8.67
BC - From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.17
BC - From	4 PLF	at	7.17	to	4 PLF	at 8.67

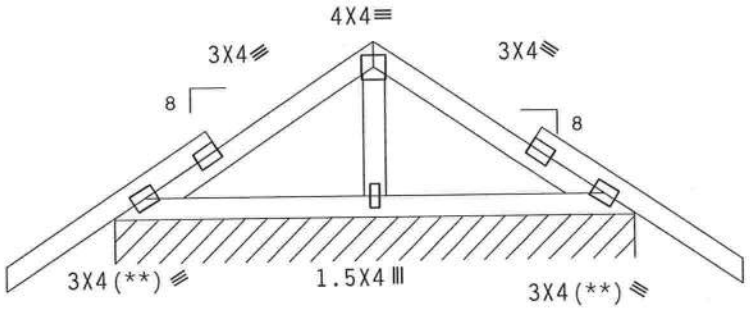
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

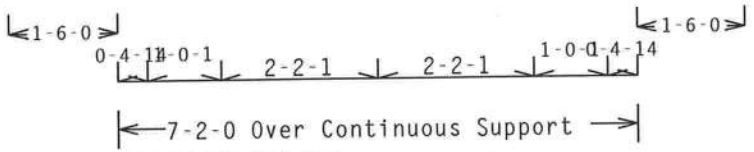
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 8.89 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

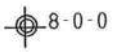
See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

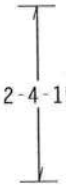
Deflection meets L/360 live and L/240 total load.





R=137 PLF U=64 PLF W=7-2-0





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 S805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive

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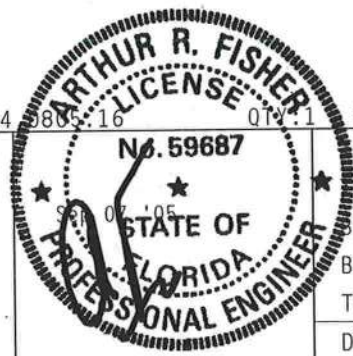


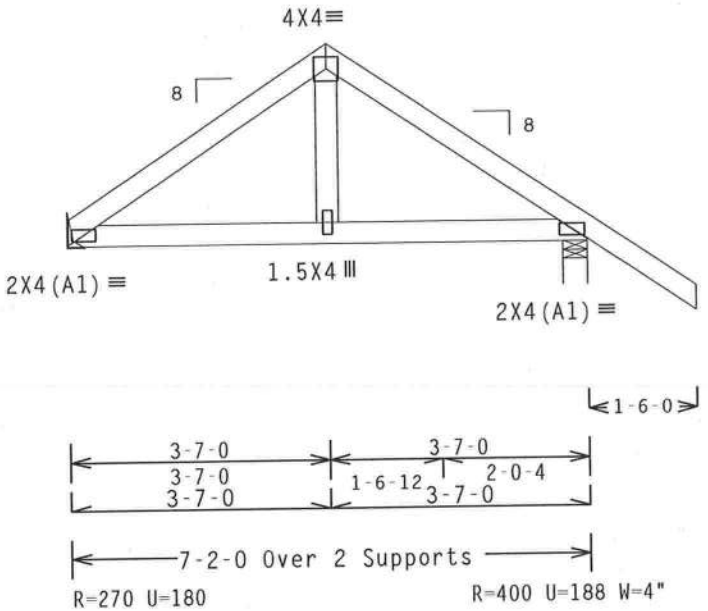
TC LL	20.0 PSF	REF	R487-- 46798
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250040
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	154402
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1S09487 Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - G)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.07 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 7.04.0805.16 QTY: 2 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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1950 Marley Drive

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

TC LL	20.0 PSF	REF	R487-- 46799
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250007
BC LL	0.0 PSF	HC-ENG	DF/AF *
TOT.LD.	40.0 PSF	SEQN-	154407
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SQ9487_Z03

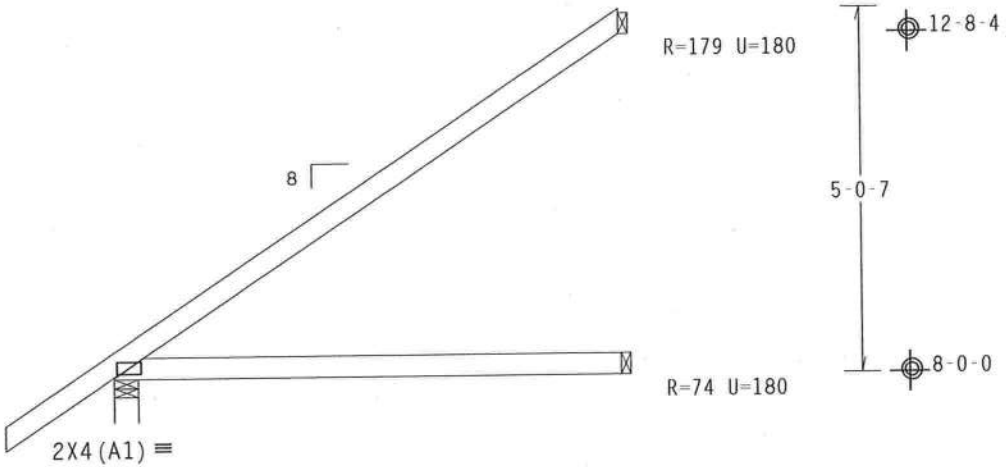
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ7)

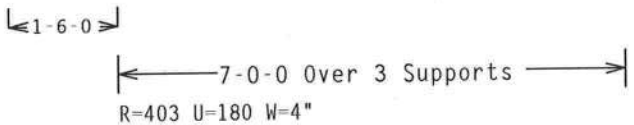
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:26 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

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TC LL	20.0 PSF	REF R487-- 46800
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250041
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154324
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

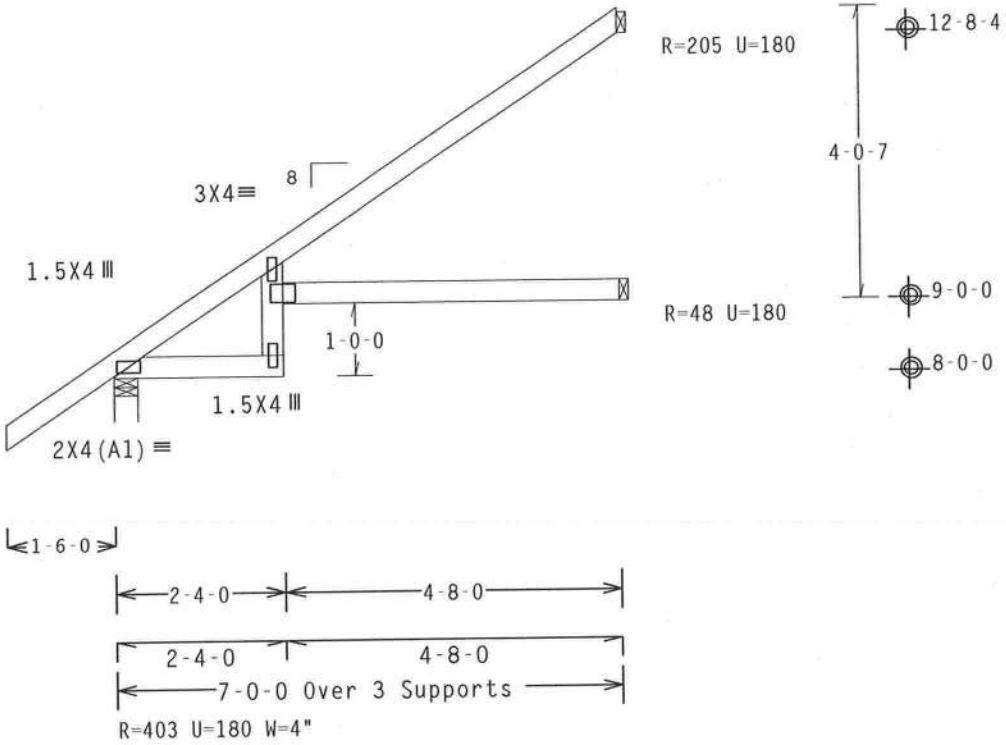
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ7T)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.805.16 | QTY: 7 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07,

TC LL	20.0 PSF	REF R487-- 46801
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250008
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 153991
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

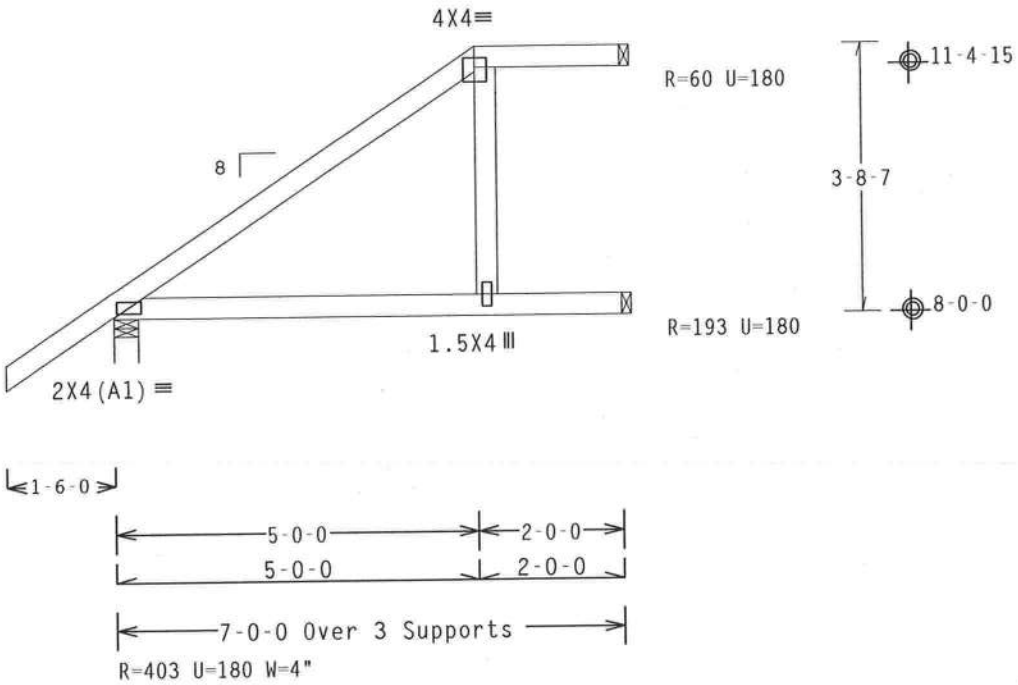
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ7H)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 0805.16 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

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TC LL	20.0 PSF	REF R487-- 46802
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250009
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 153998
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ7GE)

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

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

TC - From	81 PLF	at	-1.50	to	81 PLF	at 6.71
TC - From	60 PLF	at	6.71	to	60 PLF	at 7.00
BC - From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.00

Deflection meets L/360 live and L/240 total load.

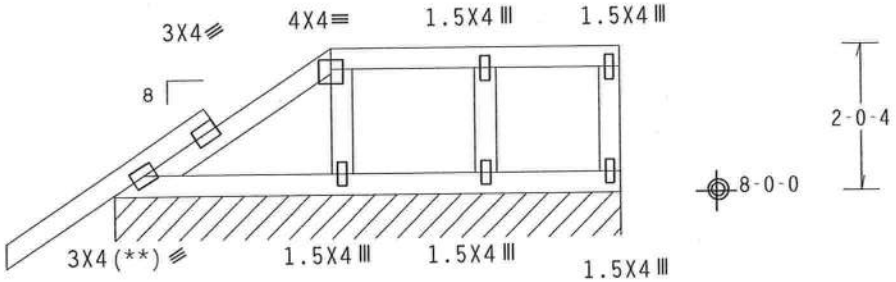
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

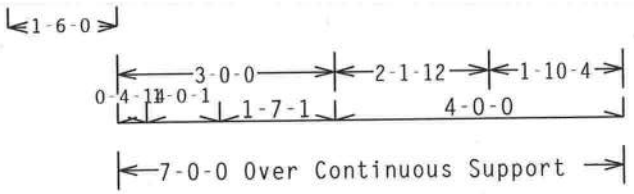
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 8.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.





R=118 PLF U=55 PLF W=7-0-0

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | 01:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07,'05

TC LL	20.0 PSF	REF	R487-- 46803
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250042
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	154004
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ5S)

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

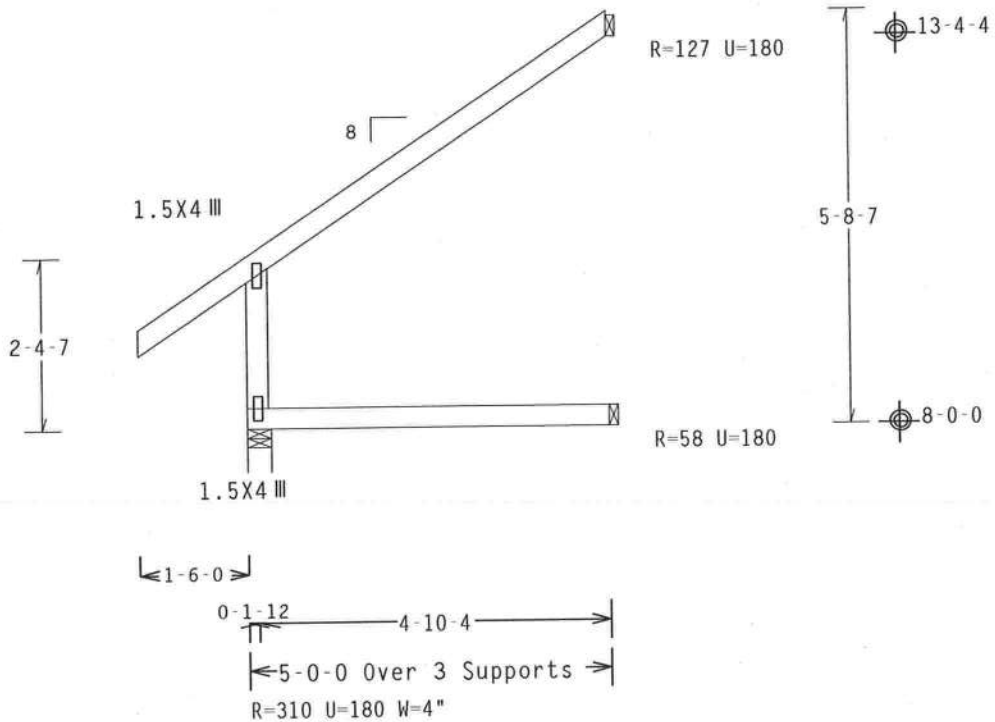
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Calculated horizontal deflection is 0.28" due to live load and 0.04" due to dead load.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 7.04.0805.16 Q1/4.1

FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE

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1950 Marley Drive

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ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Seq 07.105

TC LL	20.0 PSF	REF R487-- 46804
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250010
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154008
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

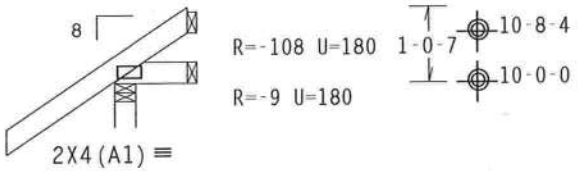
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ1)

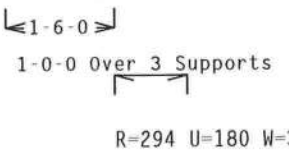
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0808.16 | QTY:8 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

TC LL	20.0 PSF	REF R487-- 46805
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250043
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154013
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJ72T)

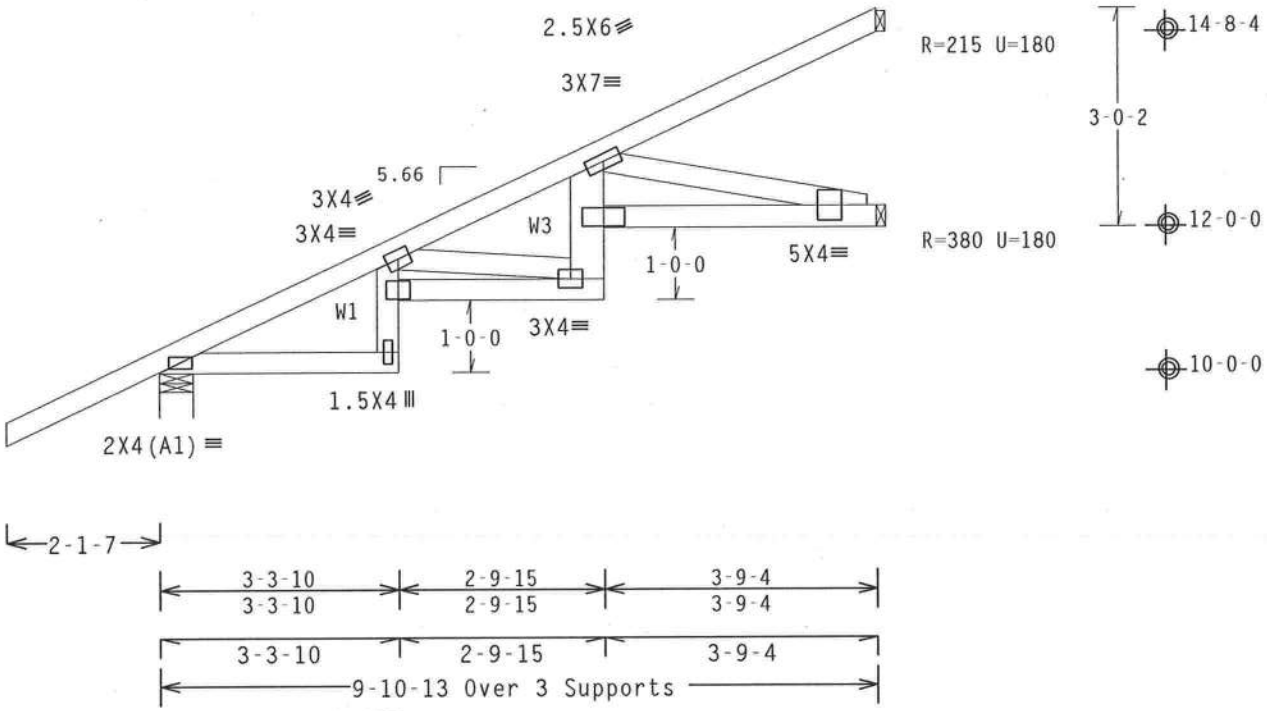
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:W3 2x6 SP #2:

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEP 07 '05

TC LL	20.0 PSF	REF R487-- 46806
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250044
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154320
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJ5)

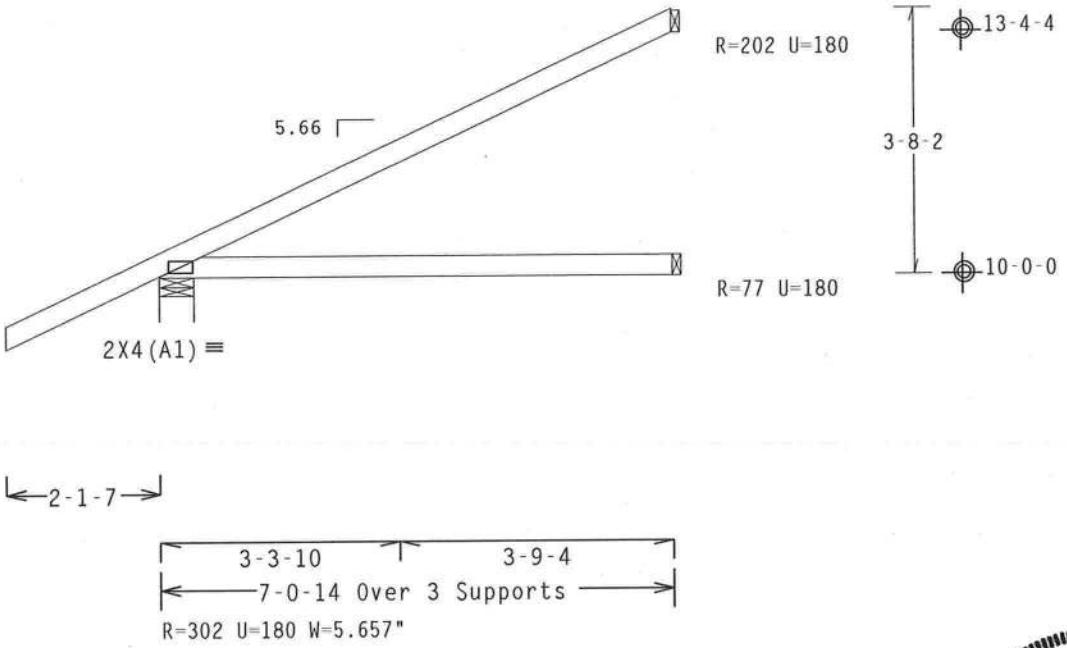
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | Qty:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

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

TC LL	20.0 PSF	REF	R487-- 46807
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250045
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	154346
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1S09487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJ7)

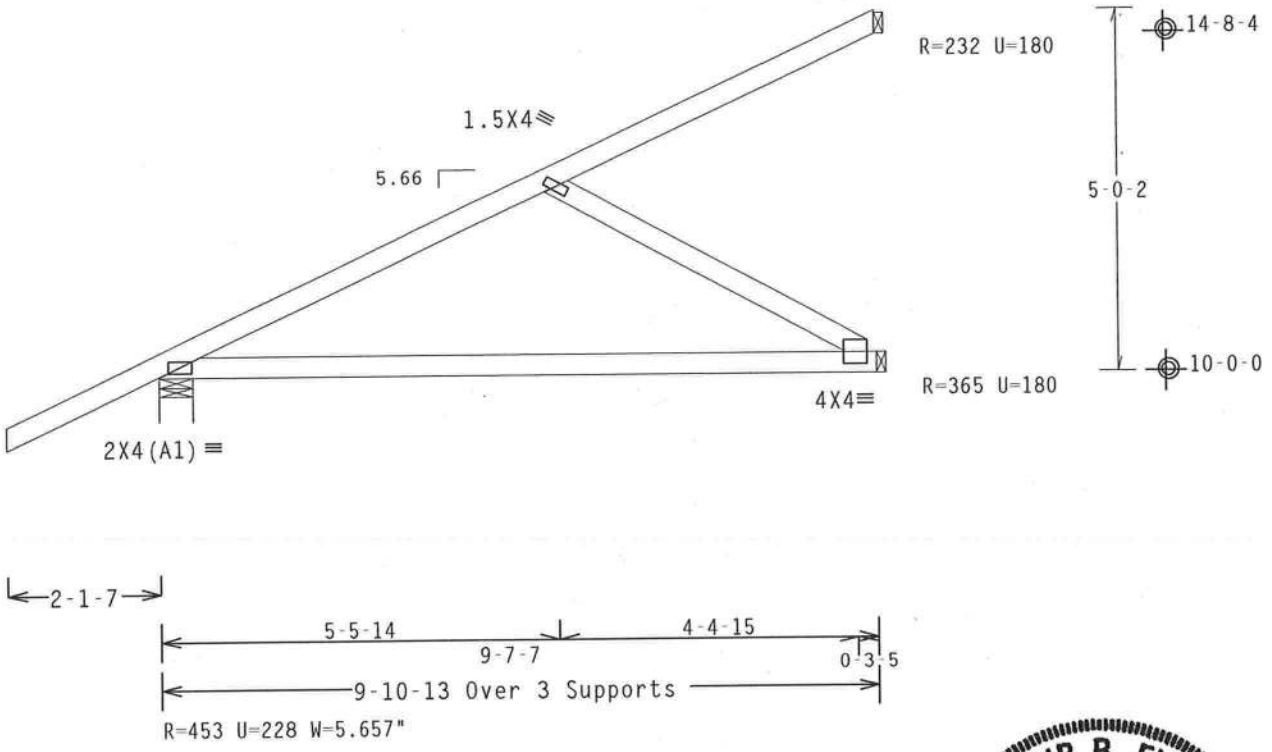
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

TC LL	20.0 PSF	REF	R487-- 46808
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250046
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN-	154303
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SQ9487_Z03

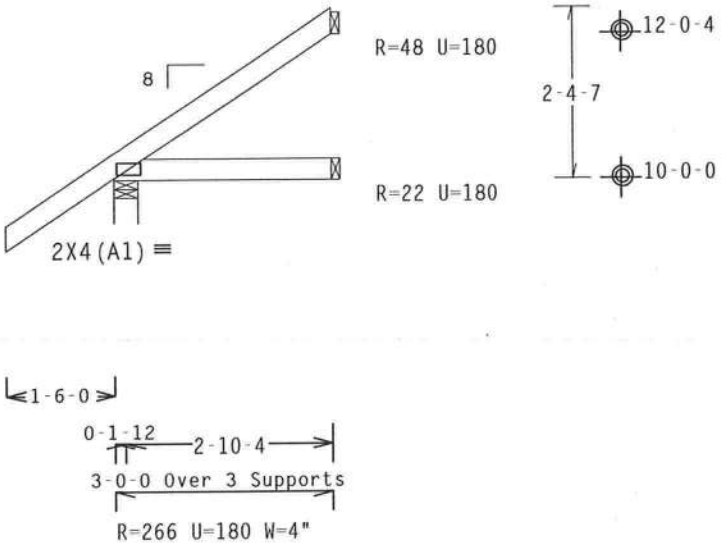
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ3)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:6 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07,'05

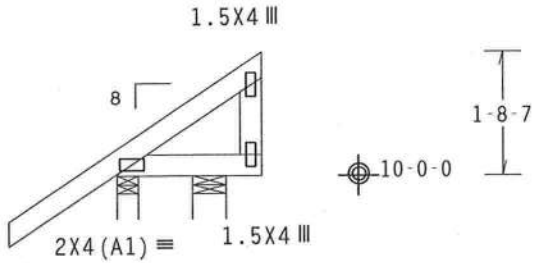
C LL	20.0 PSF	REF R487-- 46809
C DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250011
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154025
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

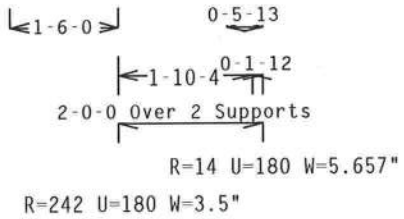
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ2)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0305 16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07 '05

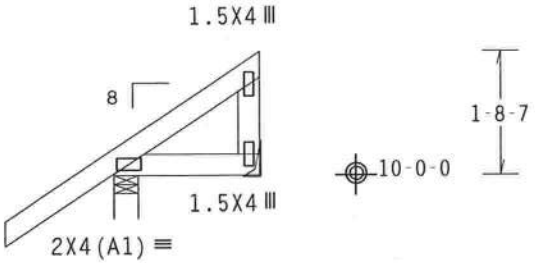
TC LL	20.0 PSF	REF R487-- 46810
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250047
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154030
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

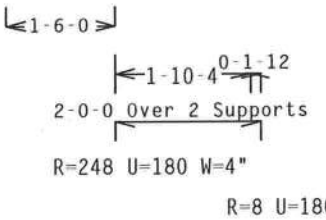
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ2)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 10.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

TC LL	20.0 PSF	REF R487-- 46811
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250012
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154035
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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

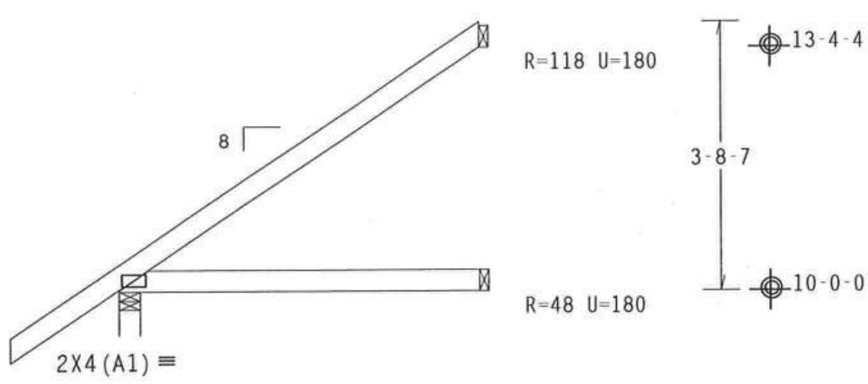
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ5)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0305.16 | QTY:2 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 7 05

TC LL	20.0 PSF	REF R487-- 46812
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250048
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154266
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SO9487_Z03

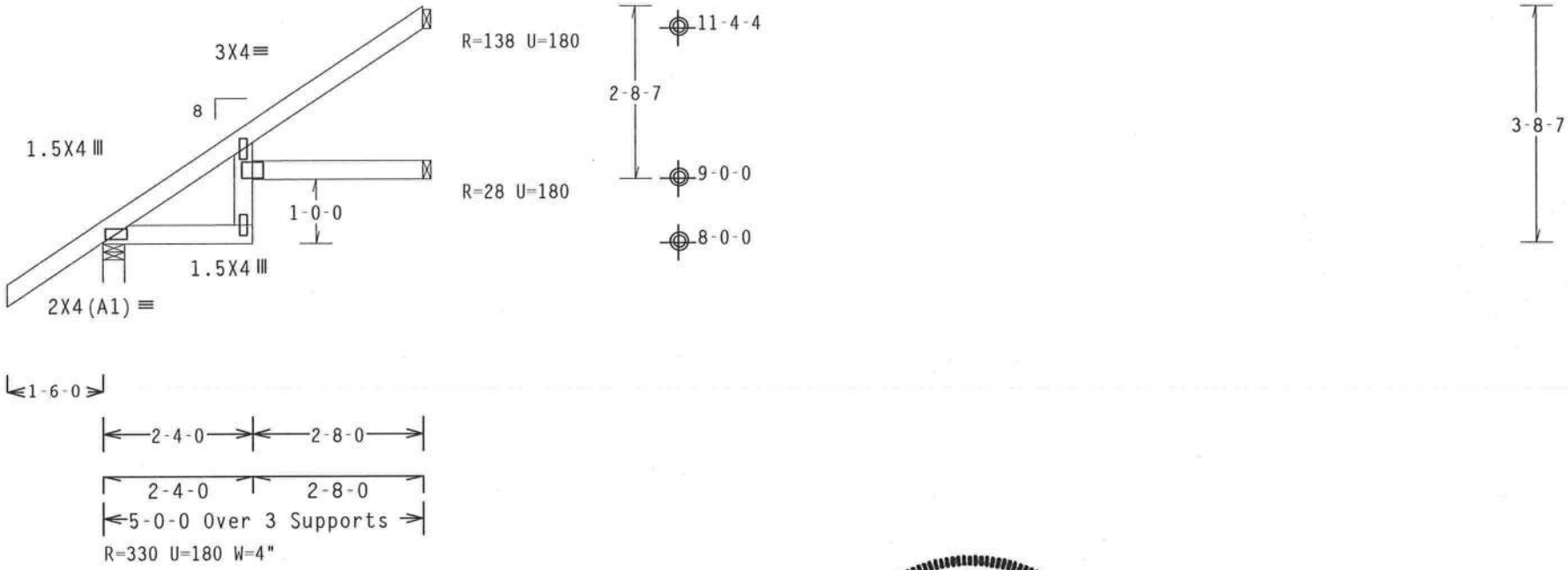
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ5T)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0806.16 | QTY:2 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07 '05

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TC LL	20.0 PSF	REF R487-- 46813
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250013
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154270
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

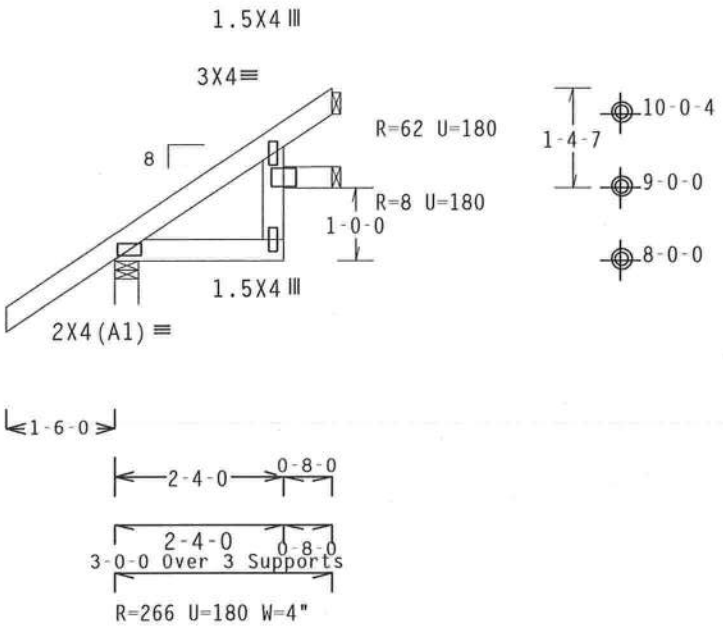
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ3T)

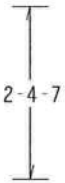
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0305.16 | QTY 4 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 07 '05

TC LL	20.0 PSF	REF R487-- 46814
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250014
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154274
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJ7T)

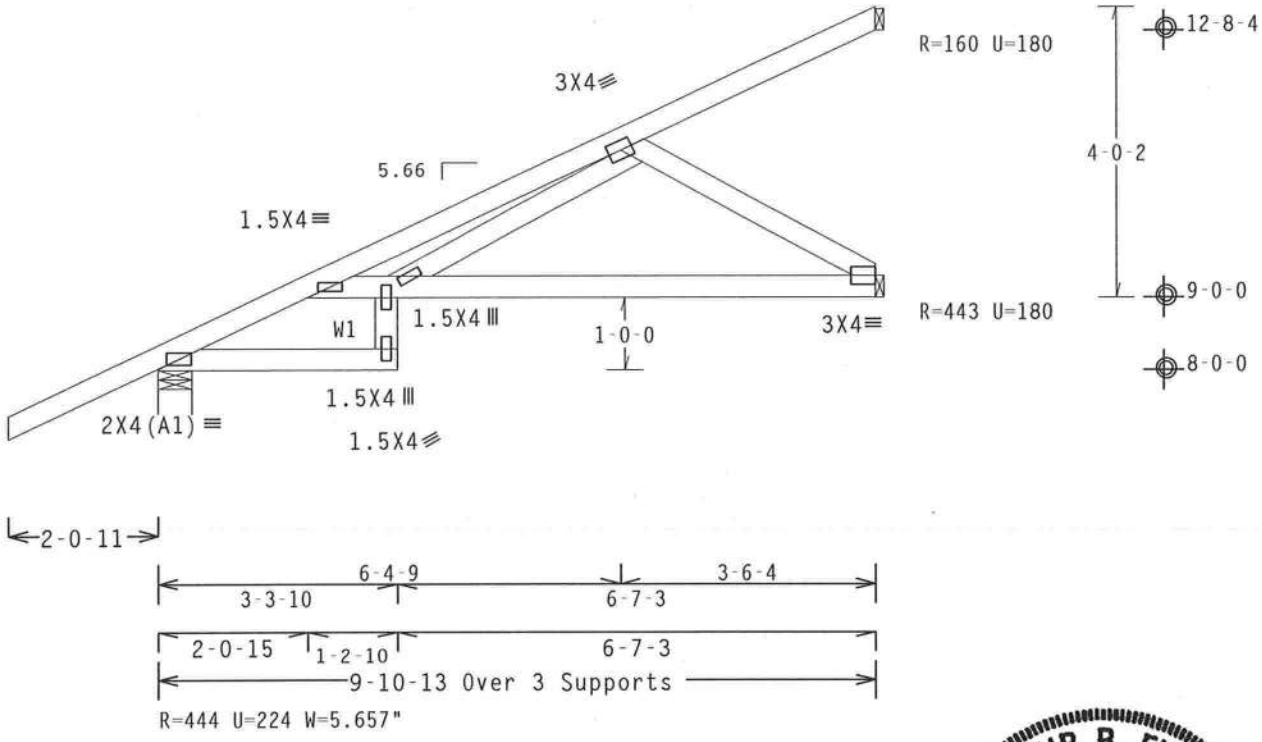
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

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

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C, INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04-0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

C LL	20.0 PSF	REF R487-- 46815
C DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250049
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154296
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

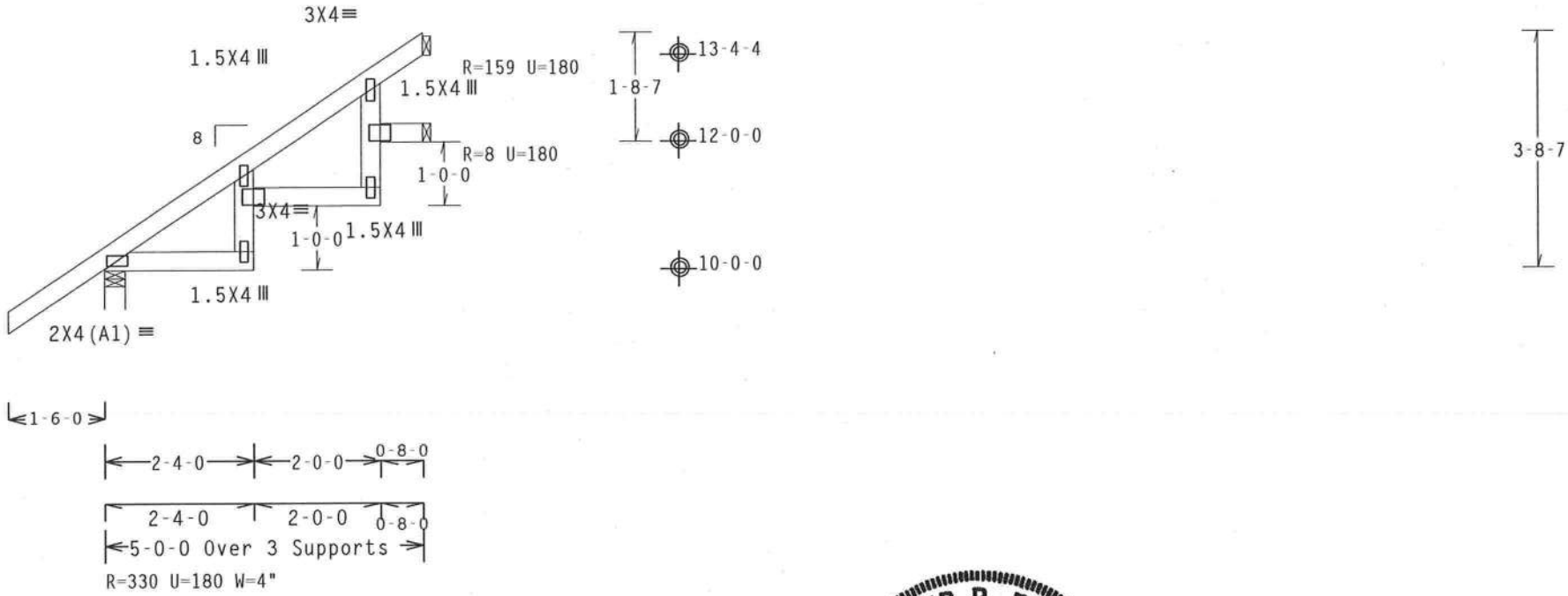
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - CJ52T)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 2 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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TC LL	20.0 PSF	REF R487-- 46816
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250050
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154308
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

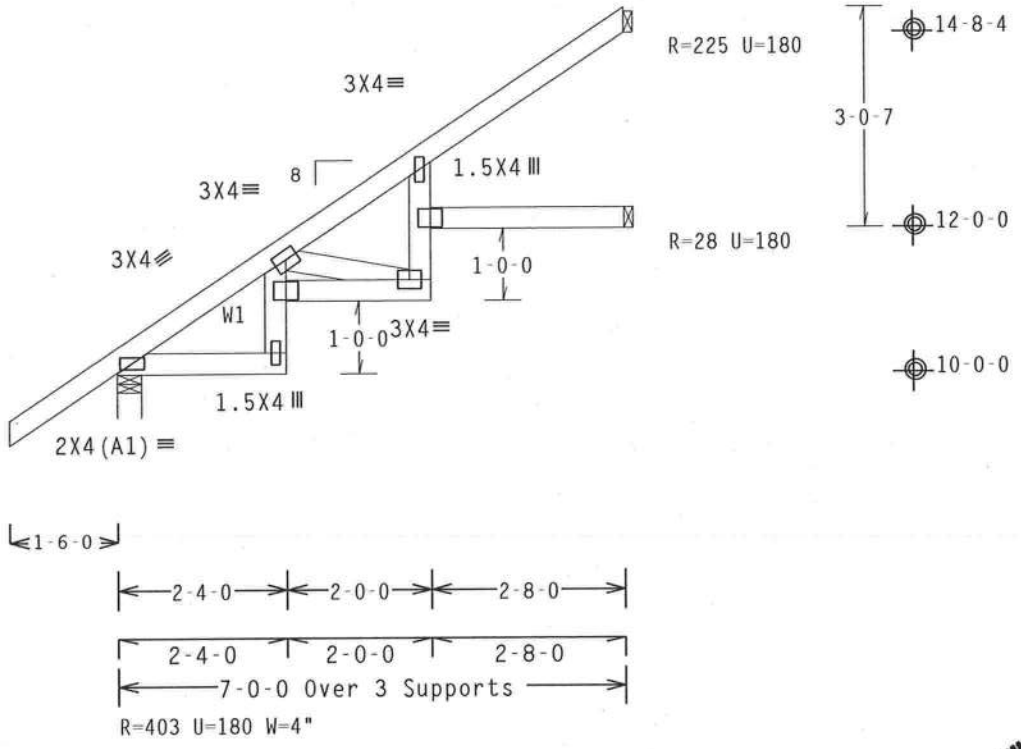
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ72T)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

Deflection meets L/360 live and L/240 total load.

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:3 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) 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

TC LL	20.0 PSF	REF R487-- 46817
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250015
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154314
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

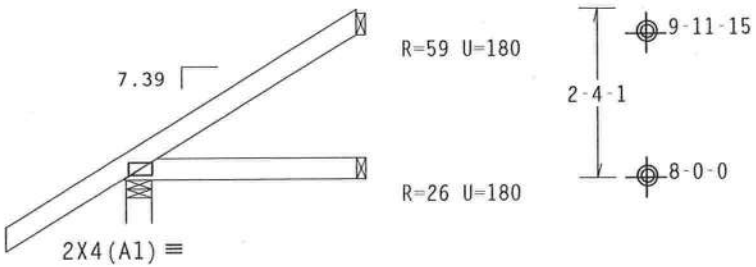
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJB)

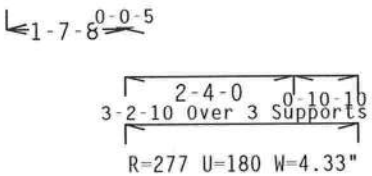
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.85 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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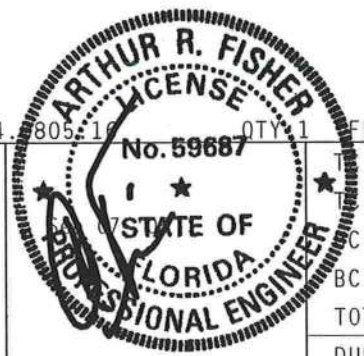


TC LL	20.0 PSF	REF R487-- 46818
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250051
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154330
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

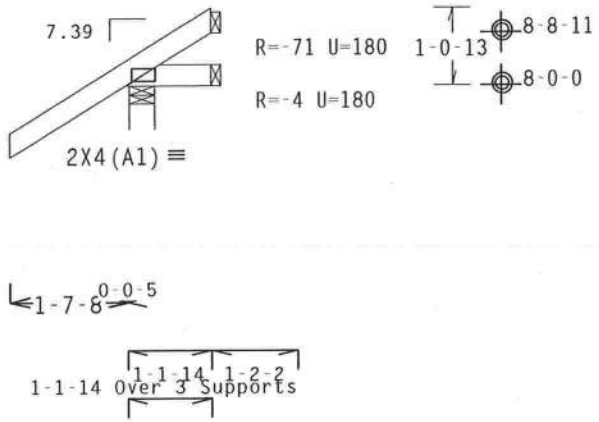
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - HJ1B)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.21 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | L/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46819
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250052
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154336
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

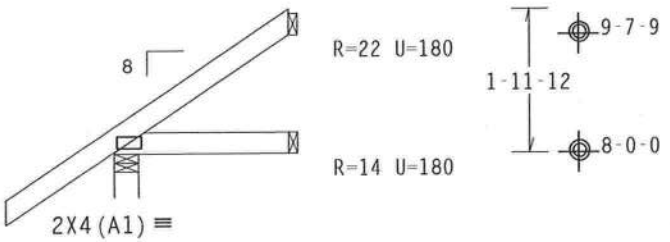
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJB)

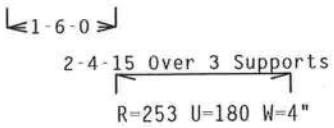
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/360 live and L/240 total load.

110 mph wind, 8.68 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | 806.16 | QTY.1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
S 09/07/05

TC LL	20.0 PSF	REF R487-- 46820
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250053
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154342
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - EJ7G)

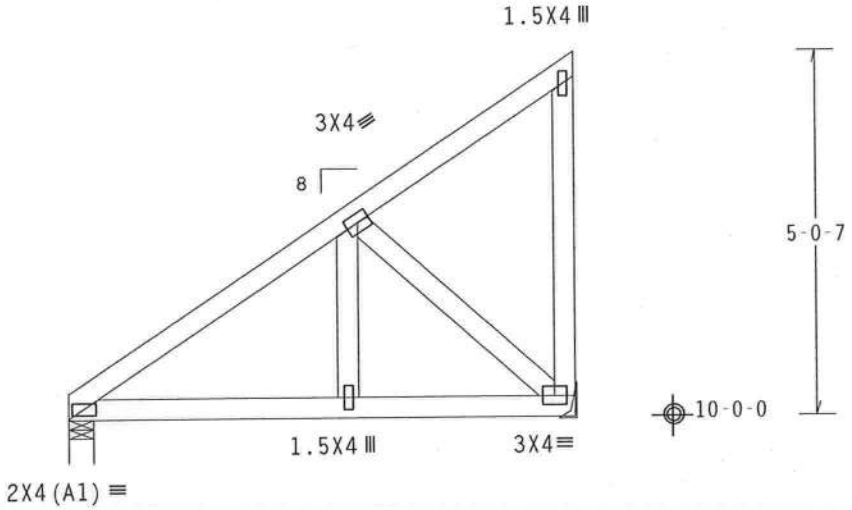
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

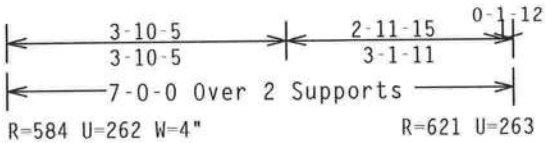
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 355 LB Conc. Load at 3.06
BC - 290 LB Conc. Load at 5.06

Right end vertical not exposed to wind pressure.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0503.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Sep 07 '05

TC	LL	20.0 PSF	REF R487-- 46821
TC	DL	10.0 PSF	DATE 09/07/05
BC	DL	10.0 PSF	DRW HCUSR487 05250070
BC	LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.		40.0 PSF	SEQN- 154393
DUR.FAC.		1.25	
SPACING		24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - M3G)

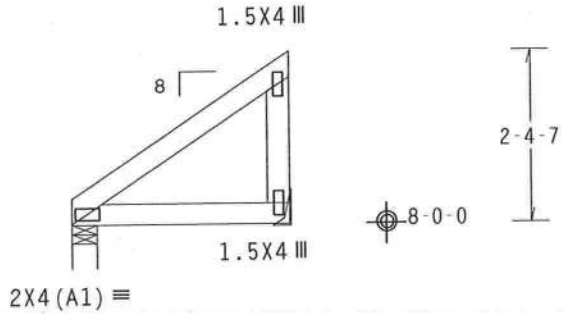
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 3.00
BC - From 20 PLF at 0.00 to 20 PLF at 3.00
BC - 270 LB Conc. Load at 0.06, 2.06

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | 805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46822
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250071
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154415
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - KGE)

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

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

TC - From	81 PLF	at -1.50 to	81 PLF	at 13.50
BC - From	4 PLF	at -1.50 to	4 PLF	at 0.00
BC - From	20 PLF	at 0.00 to	20 PLF	at 12.00
BC - From	4 PLF	at 12.00 to	4 PLF	at 13.50

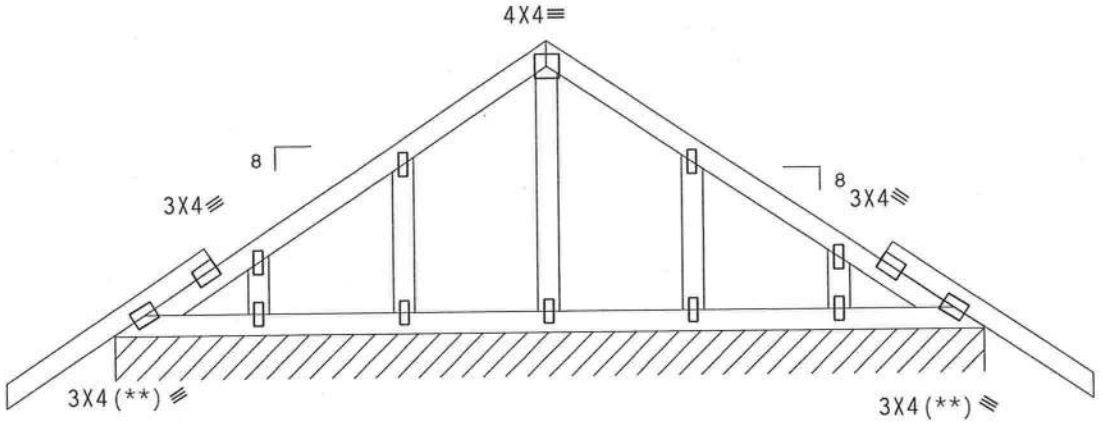
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

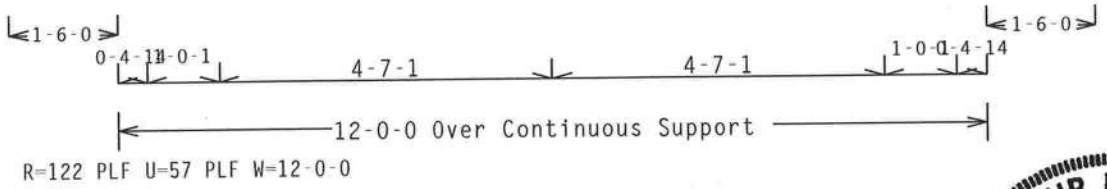
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.





Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04.0805.16 QTY: 1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

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

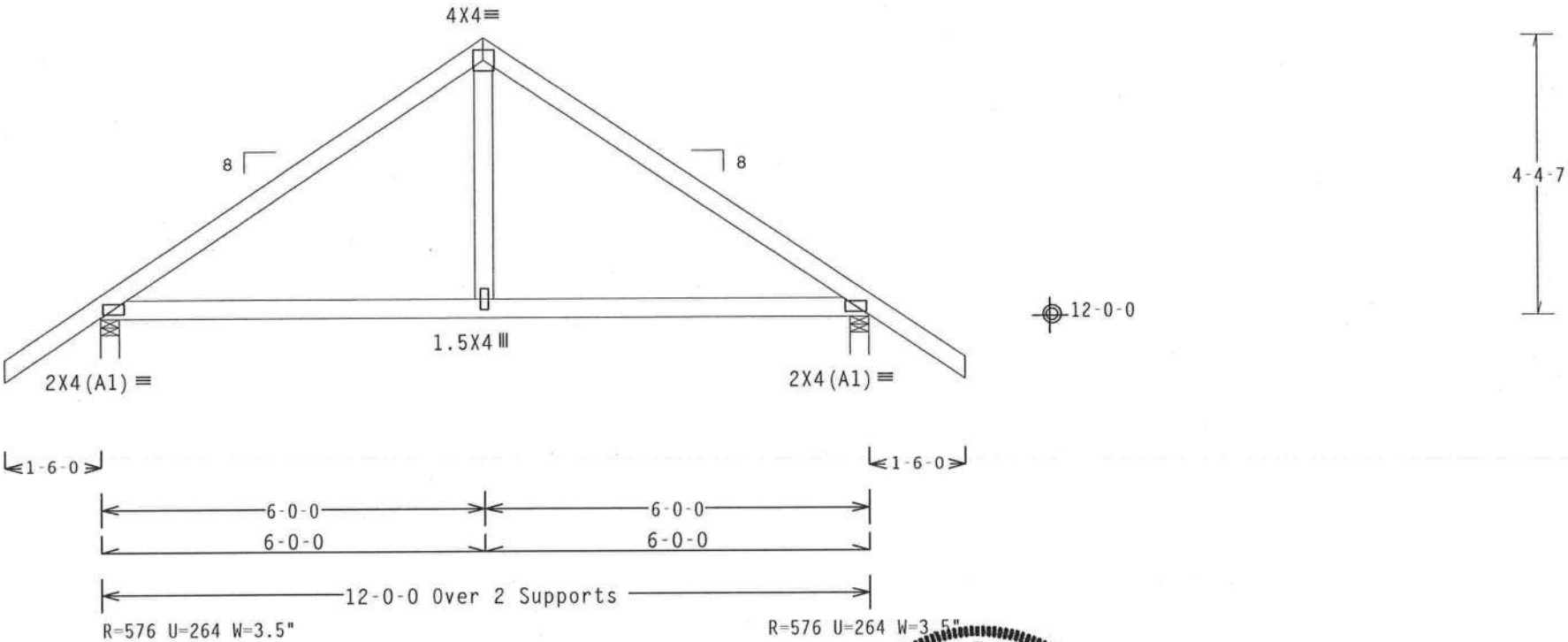
TC LL	20.0 PSF	REF	R487-- 46823
TC DL	10.0 PSF	DATE	09/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05250054
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	154458
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - K)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEP 07 05

TC LL	20.0 PSF	REF R487-- 46824
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250016
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154462
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H7L)

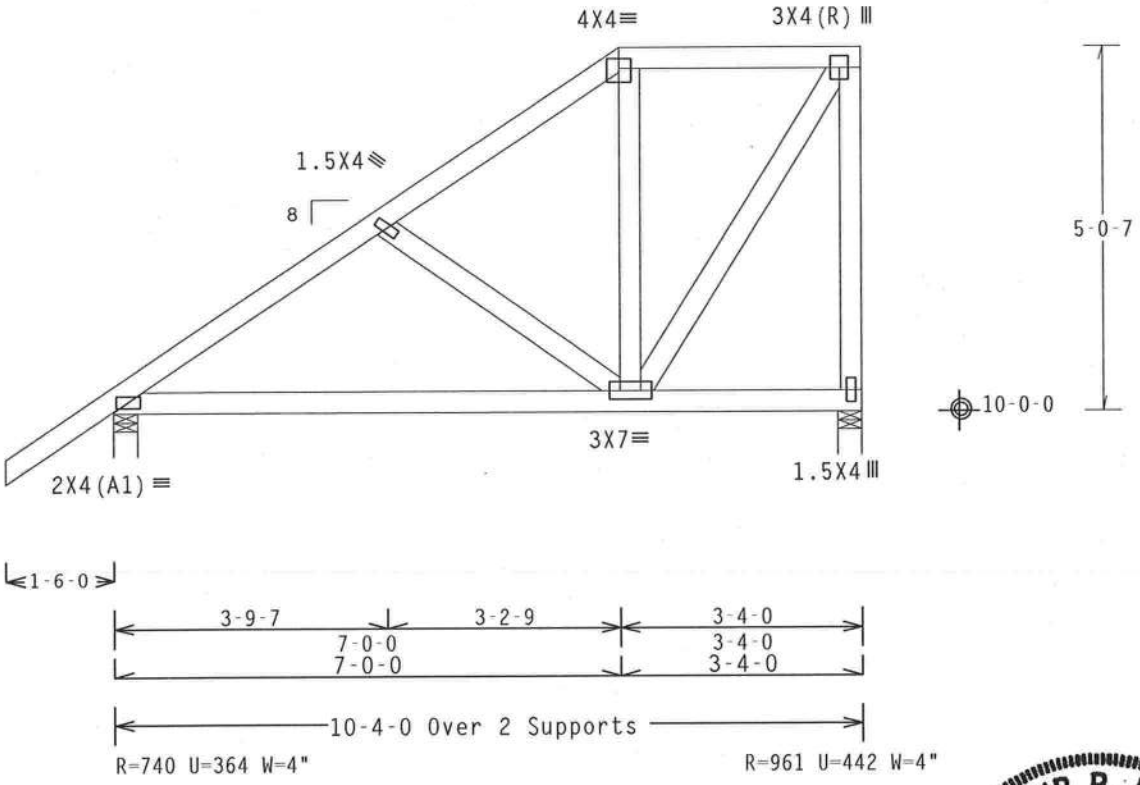
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

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

TC LL	20.0 PSF	REF R487-- 46825
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250055
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154451
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H9L)

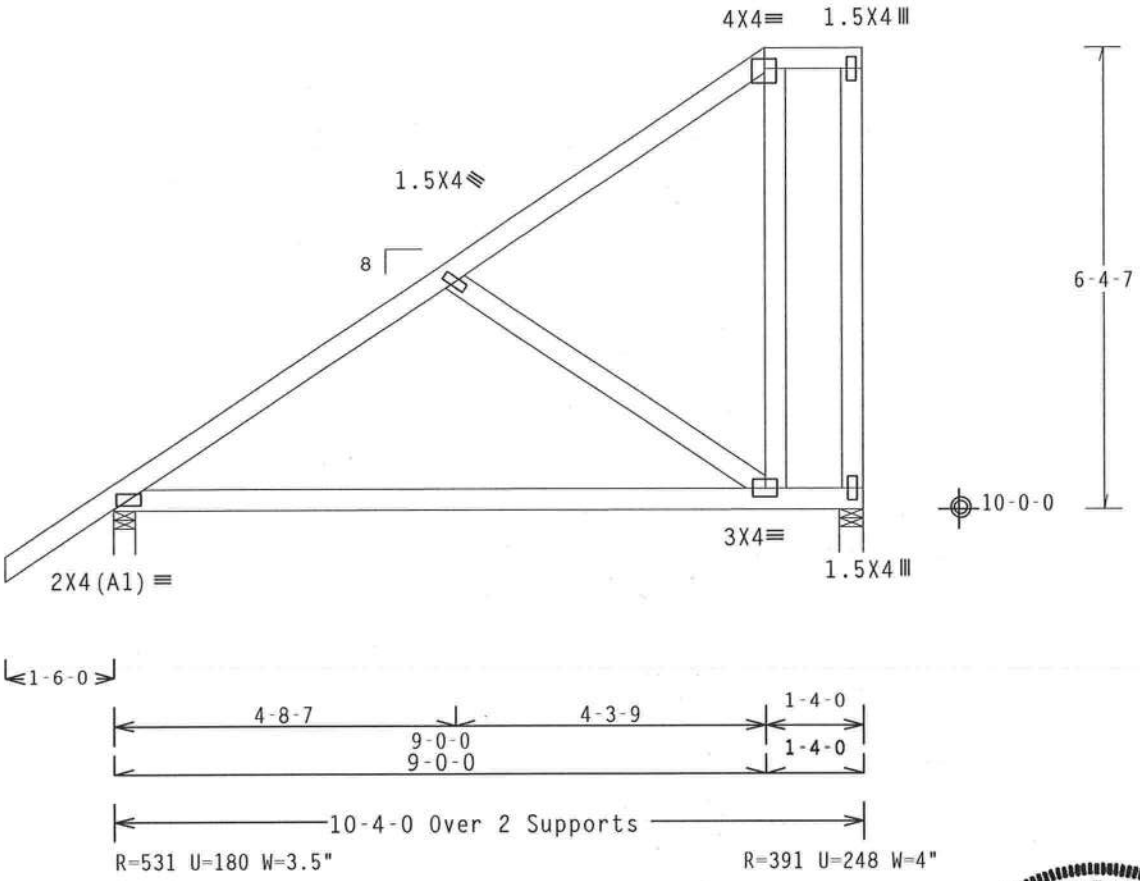
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Calculated horizontal deflection is 0.15" due to live load and 0.14" due to dead load.

110 mph wind, 12.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0806.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46826
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250056
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154447
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

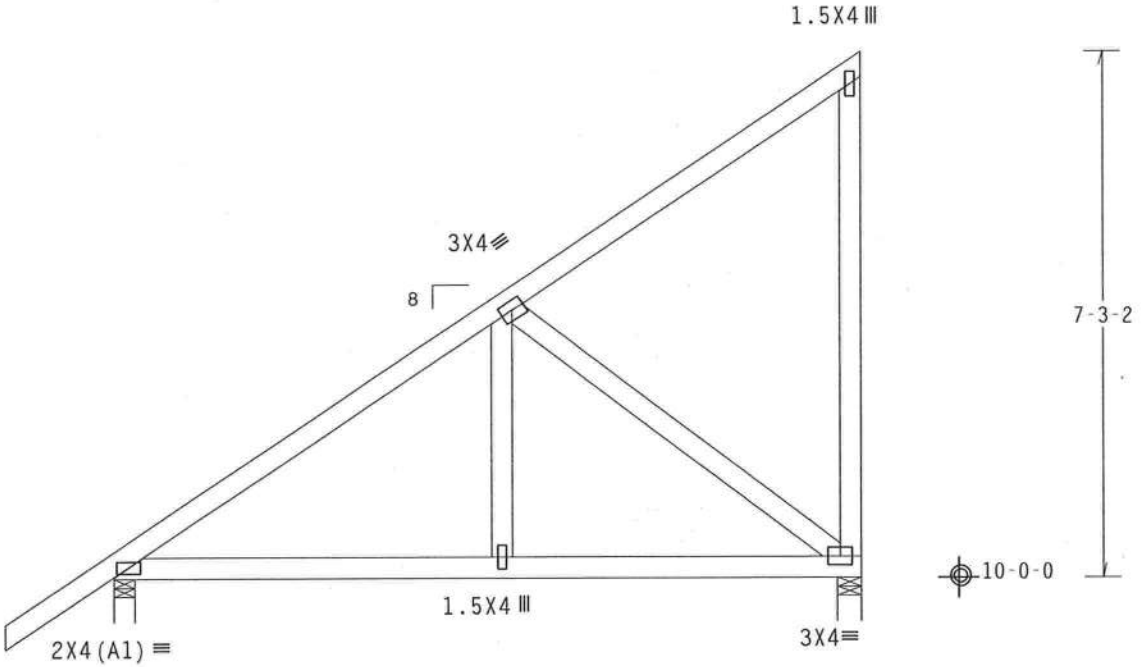
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - L)

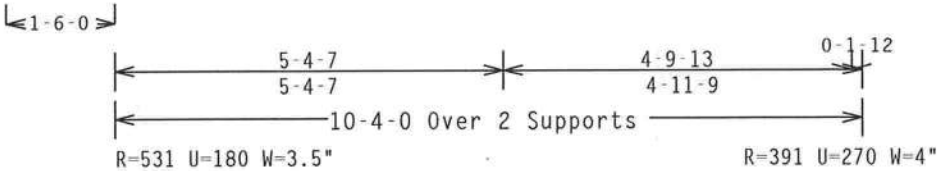
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.32 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 0805.16 | QTY:3 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07,05

C LL	20.0 PSF	REF R487-- 46827
C DL	10.0 PSF	DATE 09/07/05
C DL	10.0 PSF	DRW HCUSR487 05250017
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 154443
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - MG1)

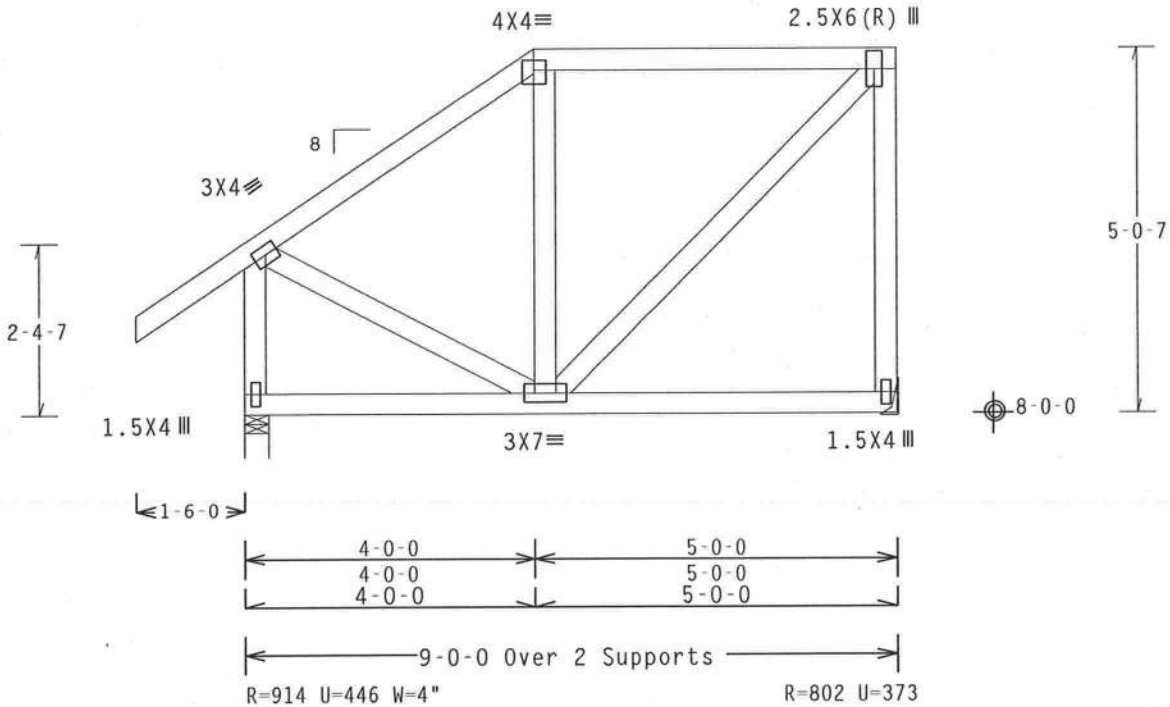
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07 '05

TC LL	20.0 PSF	REF R487-- 46828
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250072
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154379
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H5M)

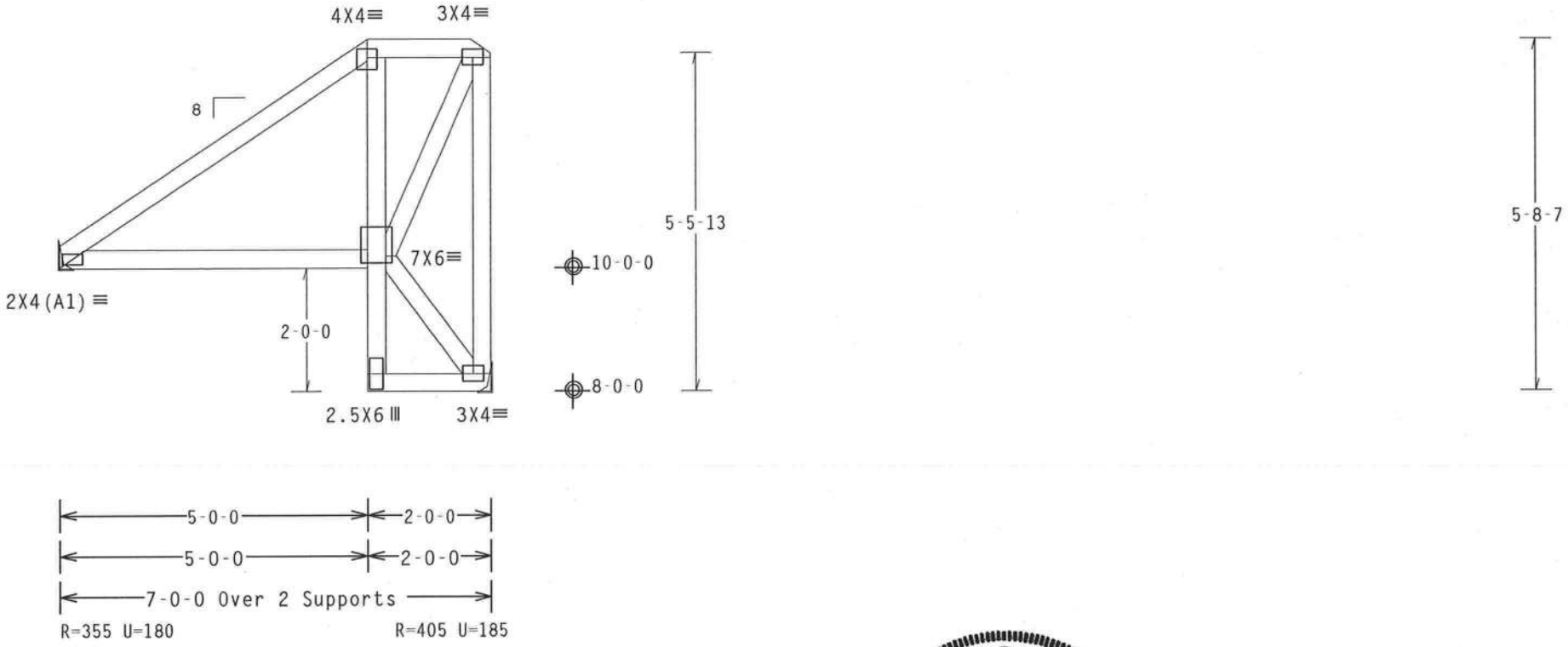
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0305.16 | QTY 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

TC LL	20.0 PSF	REF R487-- 46829
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250073
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154356
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SQ9487_Z03

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

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - MG2)

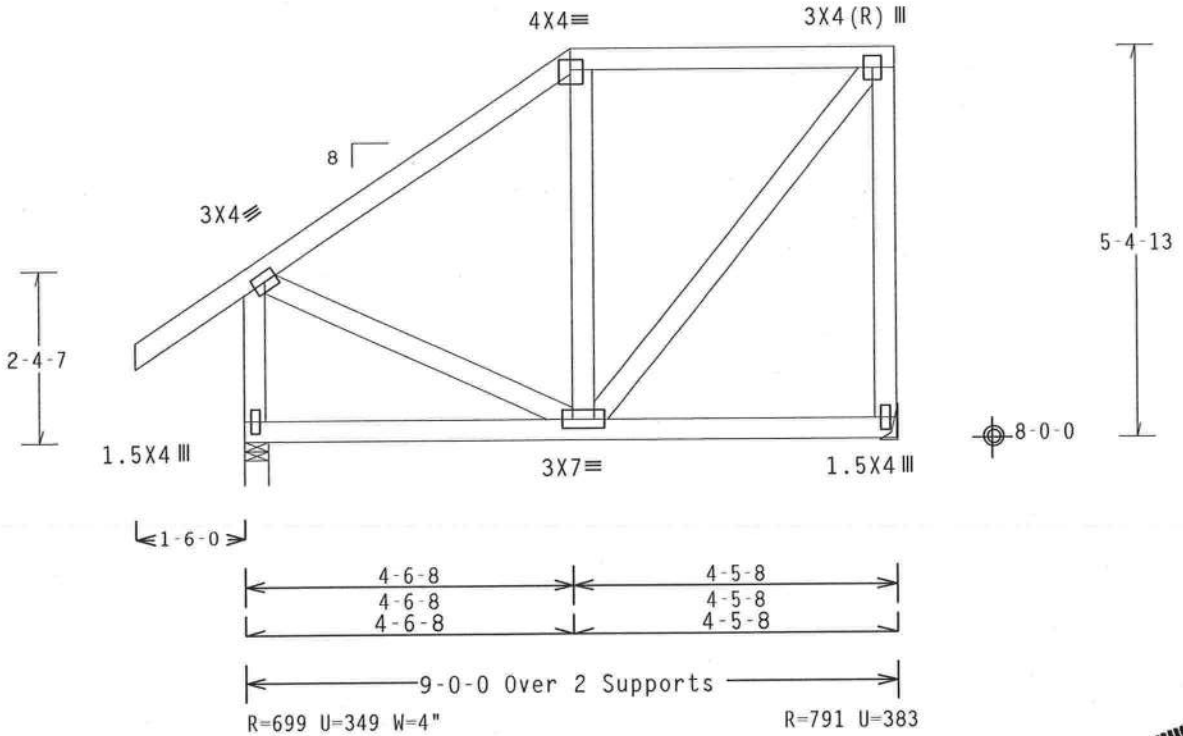
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 9.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.00
BC - 405 LB Conc. Load at 5.06
BC - 270 LB Conc. Load at 7.06

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 07 '05

TC LL	20.0 PSF	REF R487-- 46830
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250074
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154387
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

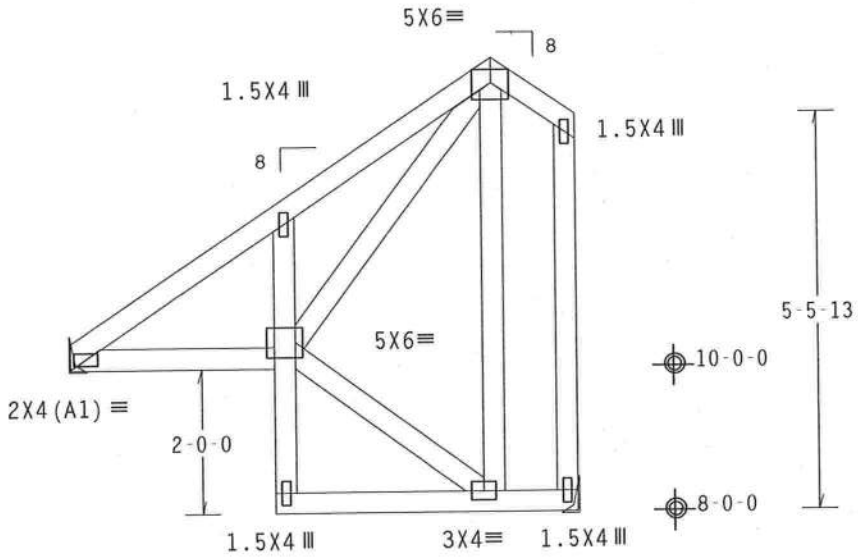
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - M)

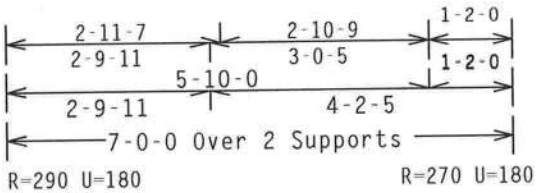
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

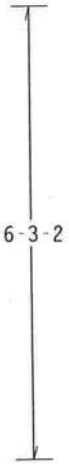
Deflection meets L/360 live and L/240 total load.

110 mph wind, 12.32 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.







PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0303.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

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

TC LL	20.0 PSF	REF R487-- 46831
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250057
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 154364
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

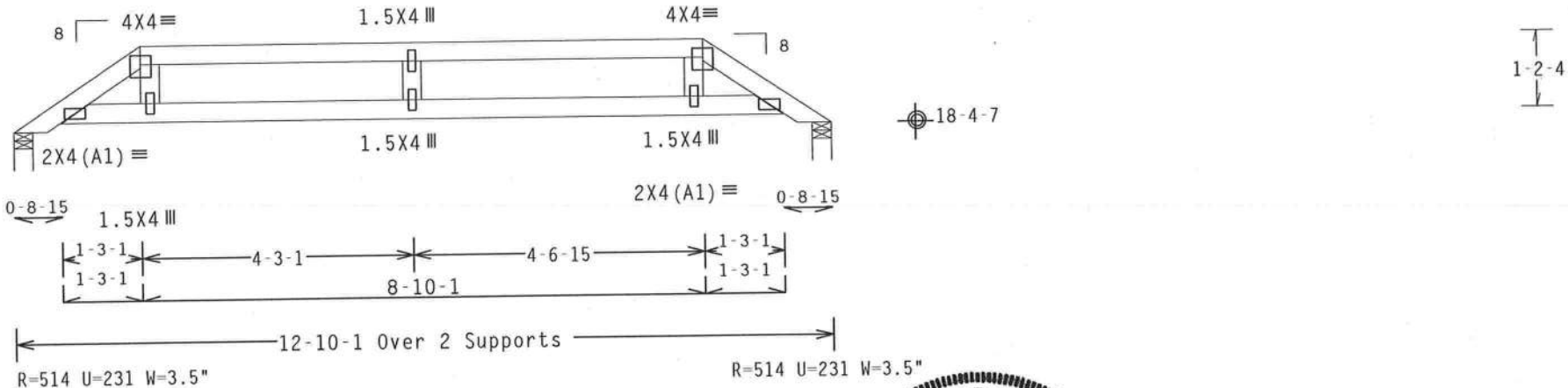
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H17AP)

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKA0405 AND PIGBACKB0405 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04 | Qty:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
DEC 07 '05

TC LL	20.0 PSF	REF R487-- 46832
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250058
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155299
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H19AP)

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKA0405 AND PIGBACKB0405 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
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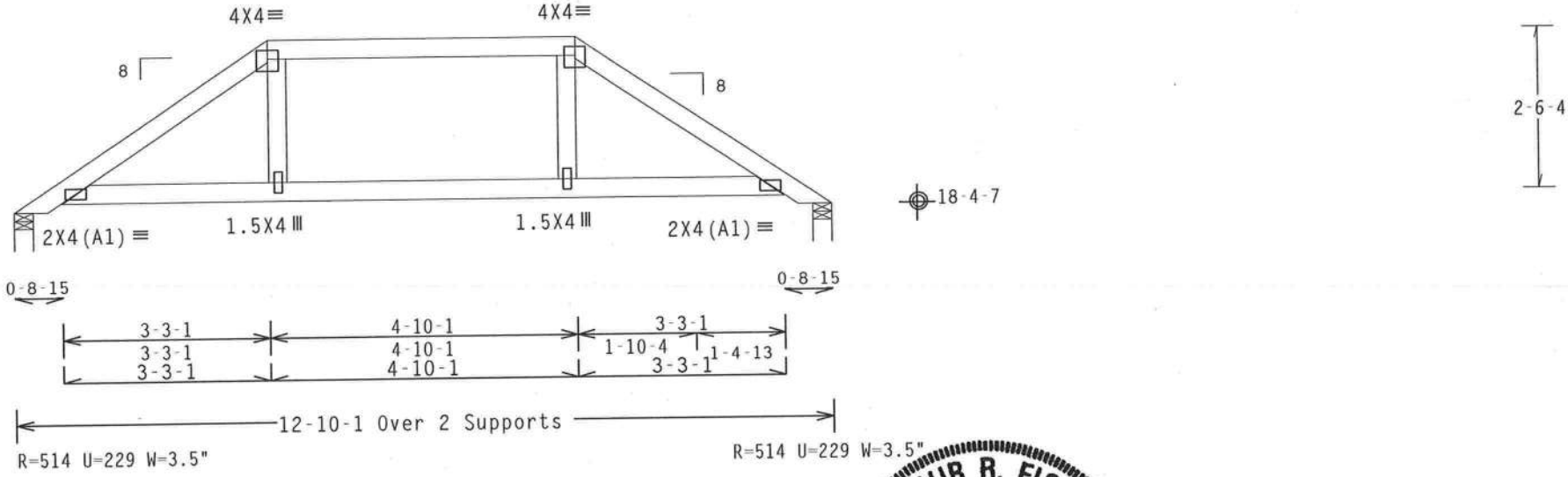
110 mph wind, 19.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

TC LL	20.0 PSF	REF R487-- 46833
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250059
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155305
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

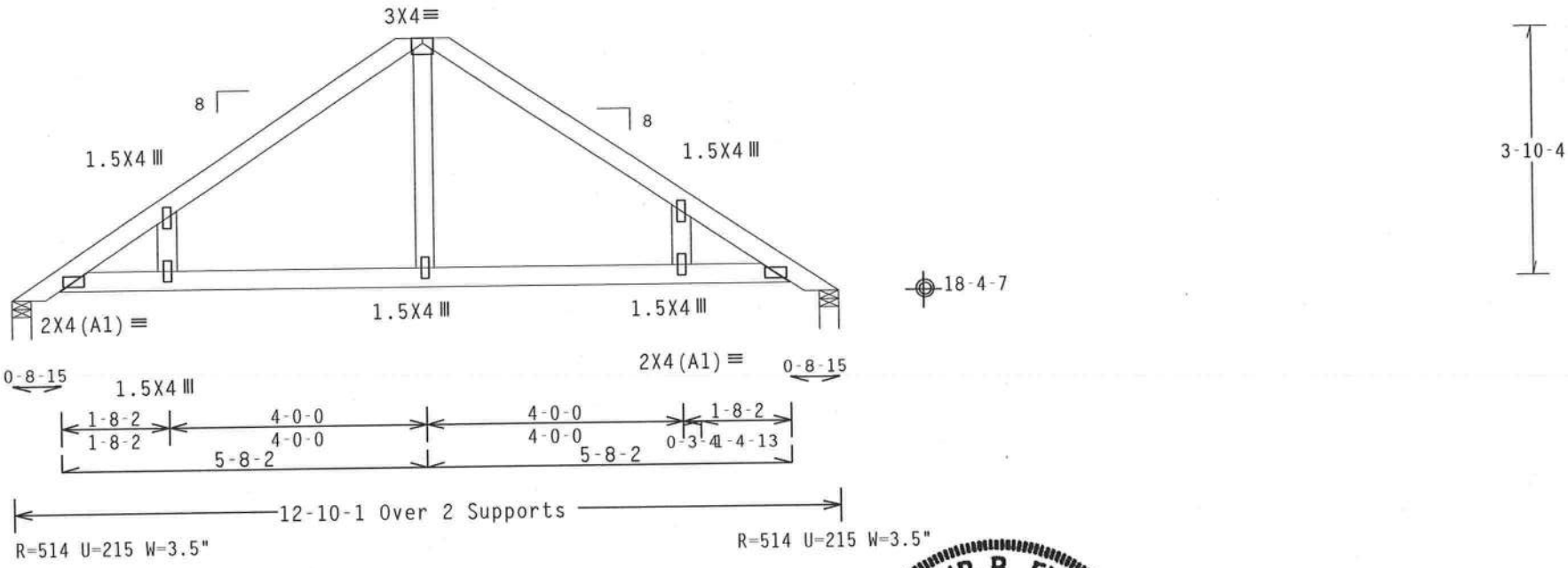
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - H21AP)

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKA0405 AND PIGBACKB0405 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0809.16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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1950 Marley Drive
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Sep 7,05

TC LL	20.0 PSF	REF R487-- 46834
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250060
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155311
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

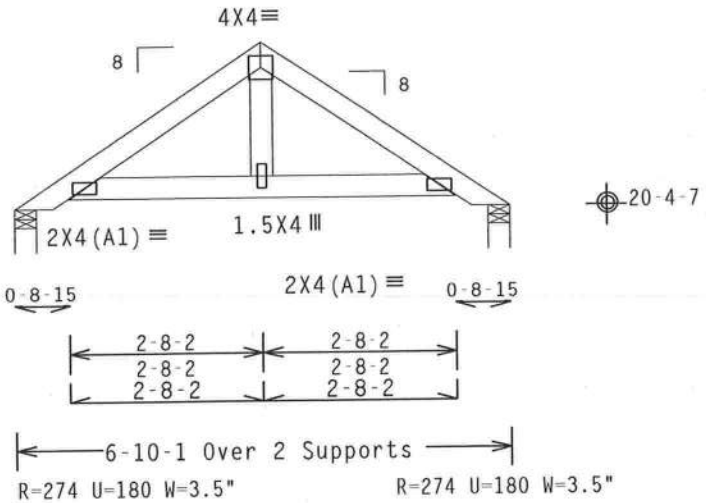
(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - AP)

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKA0405 AND PIGBACKB0405 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

110 mph wind, 21.51 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



20-4-7

2-1-10

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04.[illegible]805.1[illegible] QTY 5 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc
1950 Marley Drive
Haines City, FL 33844

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

TC	LL	20.0 PSF	REF R487-- 46835
TC	DL	10.0 PSF	DATE 09/07/05
BC	DL	10.0 PSF	DRW HCUSR487 05250061
BC	LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.		40.0 PSF	SEQN- 155319
DUR.FAC.		1.25	
SPACING		24.0"	JREF- 1SQ9487_Z03

(5-365-ERKINGER BUILDERS/LOT 6 HERITAGE HILLS - APH)

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

Deflection meets L/360 live and L/240 total load.

Refer to DWG PIGBACKA0405 AND PIGBACKB0405 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
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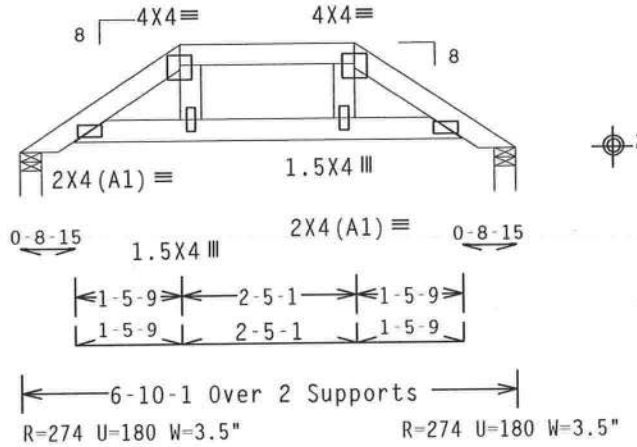
110 mph wind, 21.11 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



1-3-15

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 7.04.0805 16 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.375"/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

TC LL	20.0 PSF	REF R487-- 46836
TC DL	10.0 PSF	DATE 09/07/05
BC DL	10.0 PSF	DRW HCUSR487 05250062
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 155325
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SQ9487_Z03

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.

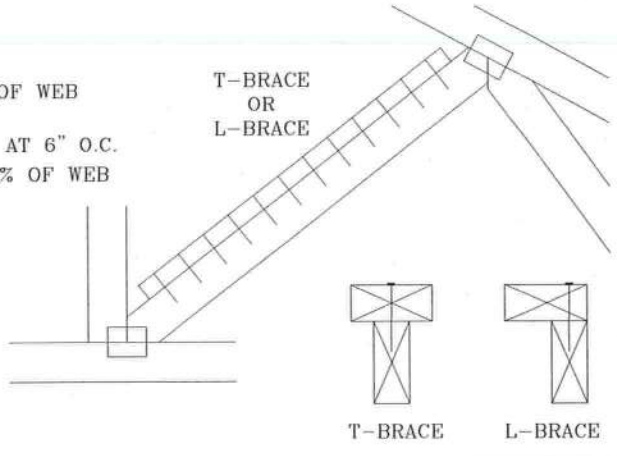
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

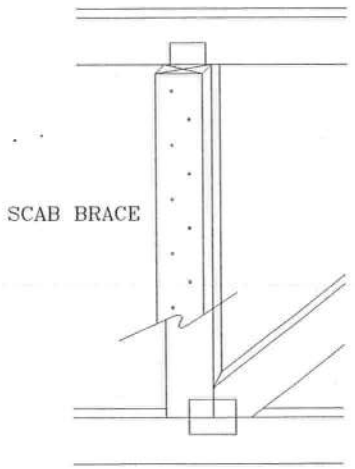


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

09/[illegible]/05

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
T. LD.	PSF		
DUR. FAC.			
SPACING			

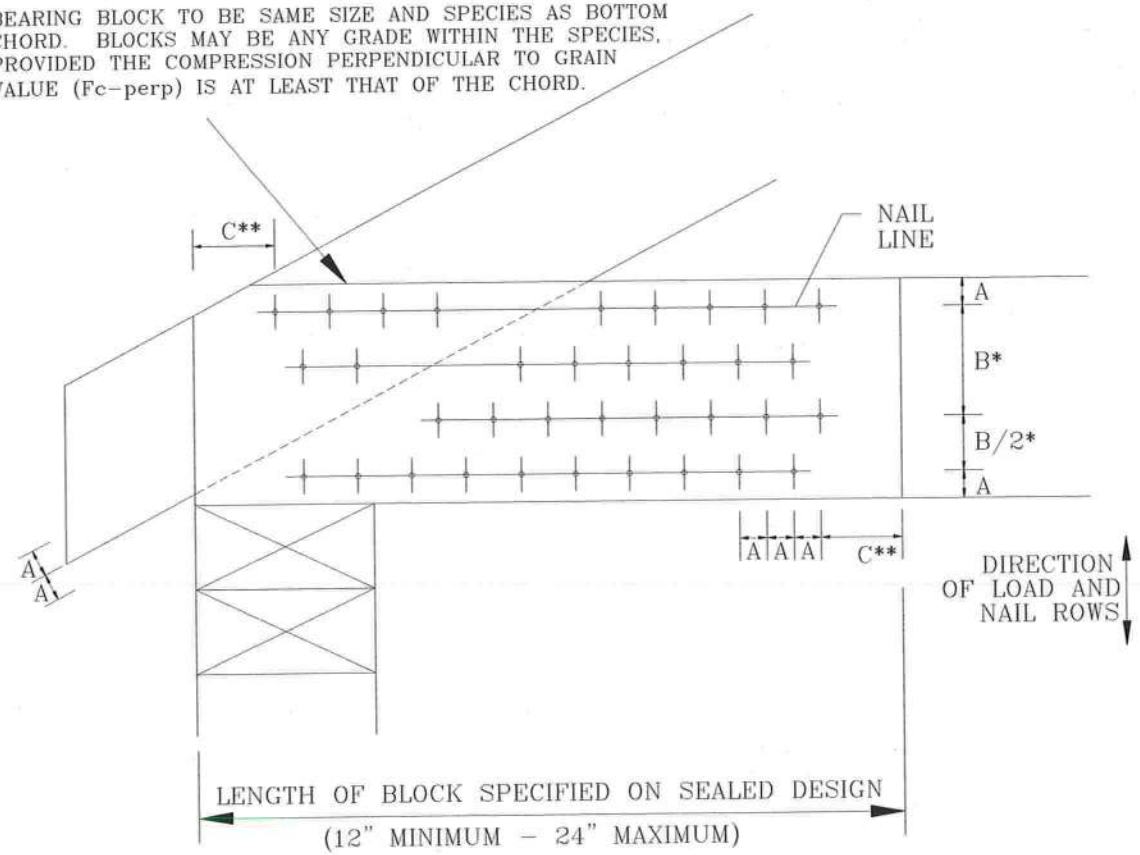
BEARING BLOCK NAIL SPACING DETAIL

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"X2.5")	3	6	9	12	15
10d BOX (0.128"X3")	3	5	7	10	12
12d BOX (0.128"X3.25")	3	5	7	10	12
16d BOX (0.135"X3.5")	3	5	7	10	12
20d BOX (0.148"X4")	2	4	5	6	8
8d COMMON (0.131"X2.5")	3	5	7	10	12
10d COMMON (0.148"X3")	2	4	6	8	10
12d COMMON (0.148"X3.25")	2	4	6	8	10
16d COMMON (0.162"X3.5")	2	4	6	8	10
0.120"X2.5" GUN	3	6	8	11	14
0.131"X2.5" GUN	3	5	7	10	12
0.120"X3.0" GUN	3	6	8	11	14
0.131"x3.0" GUN	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X3")	7/8"	1 5/8"	2"
12d BOX (0.128"X3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"X3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"X3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X3.5")	1'	2"	2 1/2"
0.120"X2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"X2.5" GUN	7/8"	1 5/8"	2"
0.120"X3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

09/0[illegible]05

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR

TOP CHORD FILLER DETAIL

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

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

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

* 8/12 MAXIMUM PITCH.

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

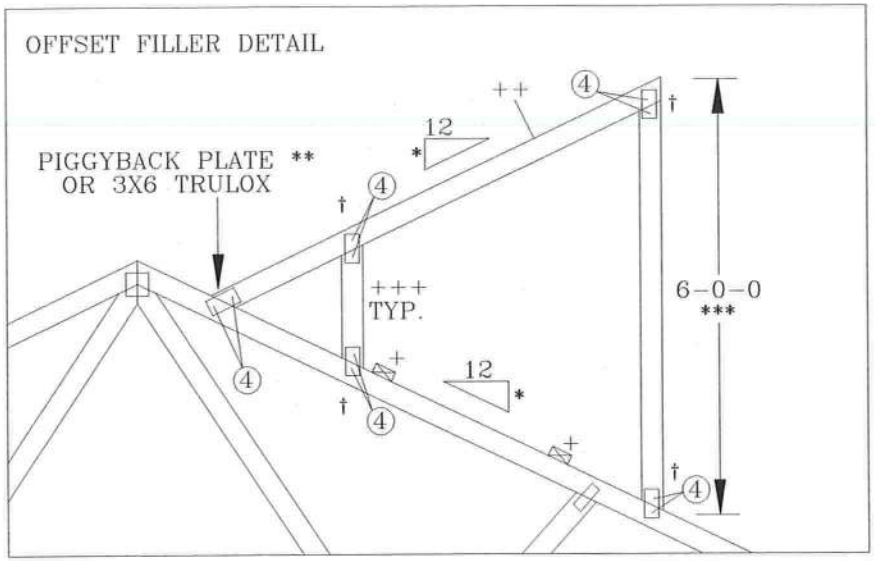
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

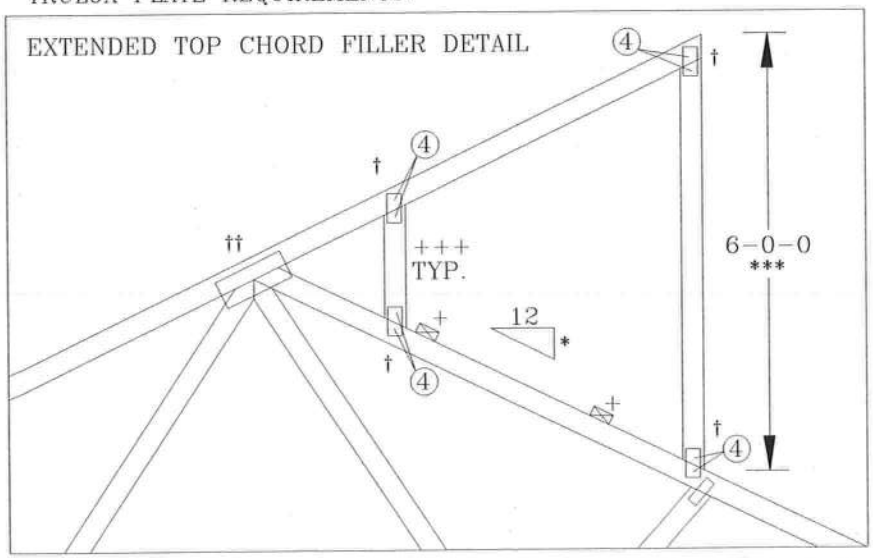
†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

11 GAUGE (0.120")X1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

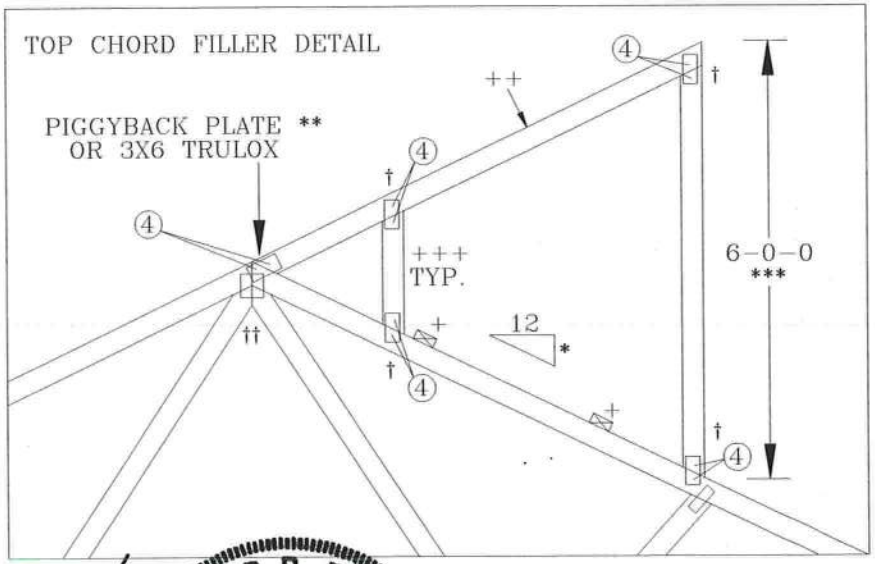
OFFSET FILLER DETAIL



EXTENDED TOP CHORD FILLER DETAIL



TOP CHORD FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884,080

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

09/[illegible]/05

	MAX	30	PSF
T DL	MAX	15	PSF
BC DL	MAX	10	PSF
BC LL		0	PSF
TC TOT.	MAX	55	PSF
	FAC.	1.15 OR 1.33	
	ACING	24.0"	

REF	TC-FILLER
DATE	11/26/03
DRWG	TCFILLER1103
-ENG	SJP/KAR

BOTTOM CHORD FILLER DETAIL

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

\+ 3X4 WAVE OR 4X8 TRULOX

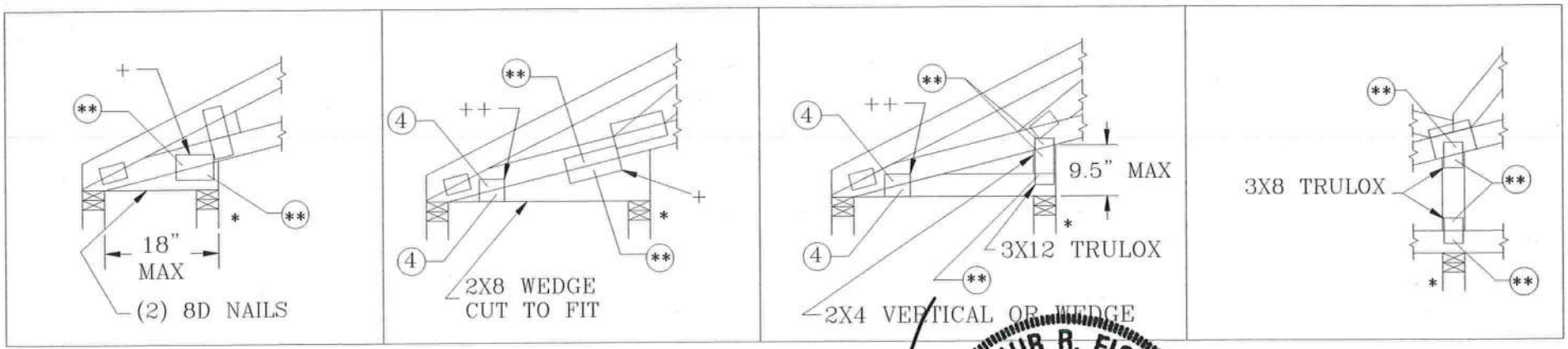
++ 2X4 WAVE OR 3X6 TRULOX

11 GAUGE (0.120")X1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

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

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

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



G REPLACES DRAWINGS A115 A115/R & 884,132

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

09/

C L	—	PSF
C L	—	PSF
C L	10.0	PSF
C L	—	PSF
LD.	—	PSF
DUR. FAC. 1.0/1.15/1.25/1.33		
SPACING 24.0"		

REF	BC FILLER
DATE	11/26/03
DRWG	BCFILLER1103
-ENG	DLJ/KAR

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

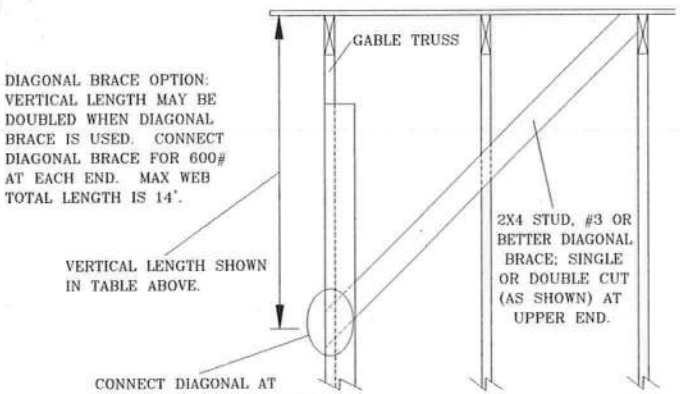
SOUTHERN PINE
#3
STUD
STANDARD

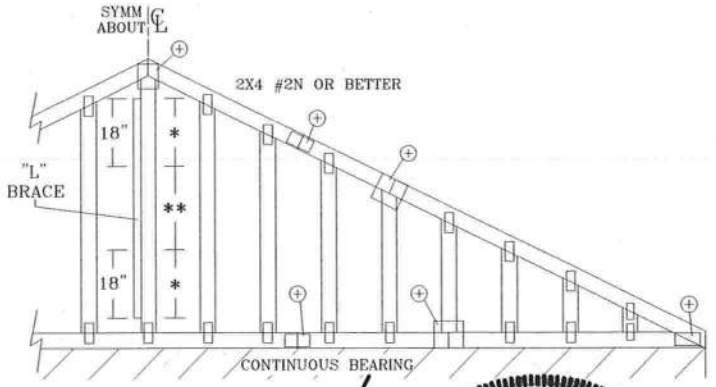
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

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

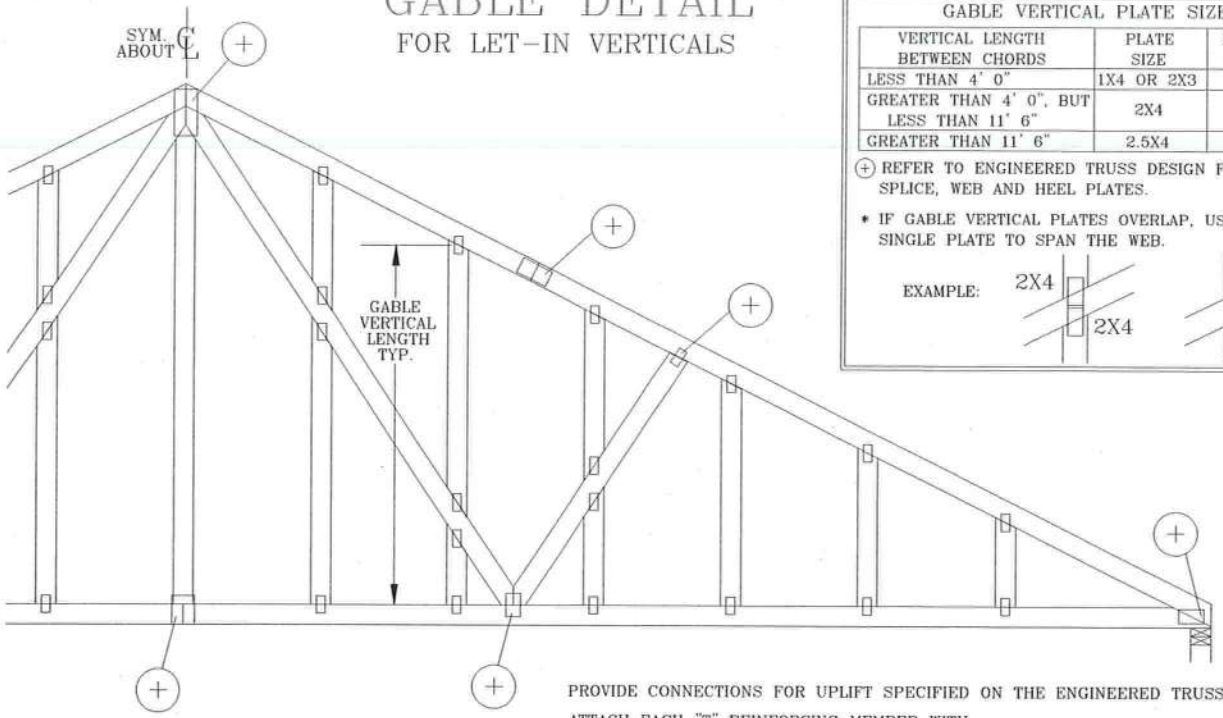
09/0[illegible]03

[illegible]. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GABI1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

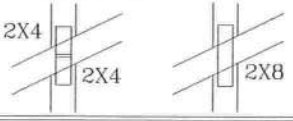
GABLE DETAIL
FOR LET-IN VERTICALS

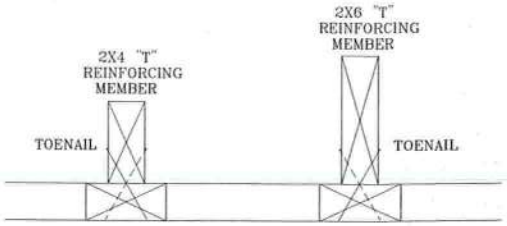


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE: 



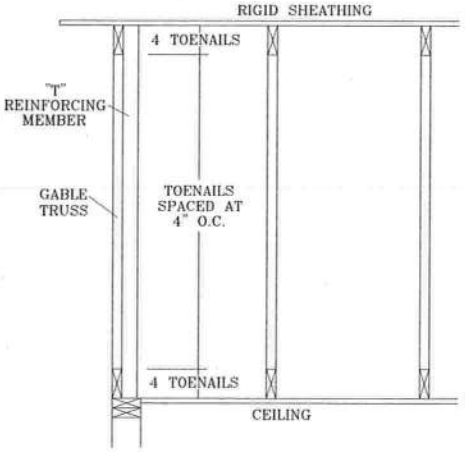
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS - 0.131" X 3":
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
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) 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

09/[illegible]/05

[illegible] LD. 60 PSF
FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: 0512-33

Matthew Erkinger Homes/ Owner Tim & Tina Morris Lot 8 of Heritage Hills Subdivision

On the date of December 15, 2005 application 0512-33 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0512-33 when making reference to this application.

1. Please show compliance with the FBC-2004 Chapter 13 Florida Energy Efficiency Code for Building Construction. The Florida Energy Efficiency Code for Building Construction (Form 600-A-2001) Line six (6) shows a discrepancy from the living area summary on the submitted plans (sheet A.3). Please correct the Florida Energy Efficiency Code for Building Construction (Form 600-A-2001) to correspond with the living area summary on the submitted plans (sheet A.3)
2. Application 0512-33 which was filed with the building department on the date of December 13, 2005 and will be reviewed under the Florida Building Code 2004.

The Wind Load design by Mr. Disosway Group was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.

3. Please remove and disregard sheet A.2 of the submitted plans.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

December 19, 2005

Building Department

Re: Permit #0512-33 , Erkinger Builders, Morris, Tim & Tina, Lot 6 Heritage Hills S/D Columbia County, FL

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

Mark Disosway, PE
Florida Registered Professional Engineer

Cc Erkinger Builders

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000927

DATE 12/22/2005 PARCEL ID # 18-4S-17-08466-018

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER TIM & TNA MORRIS PHONE 754-5555

ADDRESS 367 SW LEGACY GLENN LAKE CITY FL 32025

CONTRACTOR MATTHEW ERKINGER PHONE 754-5555

LOCATION OF PROPERTY 47S, TR ON LEGACY GLEN, 7TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HERITAGE HILLS 8

SIGNATURE

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

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

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. # 23985

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. **JB109476** Company Phone No. **386-755-3611**
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Erkings Home Builders Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Lot #14 Heritage Hills Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 0 Inside 0 Type of Fill 0

Section 4: Treatment Information

Date(s) of Treatment(s) 3-10-06
Brand Name of Product(s) Used Bora-Care
EPA Registration No. 64405-1
Approximate Final Mix Solution % 23%
Approximate Size of Treatment Area: Sq. ft. 3279 Linear ft. 0 Linear ft. of Masonry Voids 0
Approximate Total Gallons of Solution Applied 7
Was treatment completed on exterior? ☒ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) Steve Brannon 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 [signature] Date 3-10-06