Columbia County Building Permit DATE 08/23/2006 PERMIT This Permit Expires One Year From the Date of Issue 000024902 **PHONE** APPLICANT LINDA RODER 752-2281 **ADDRESS** SW KEMP COURT LAKE CITY 32024 **OWNER** ISAAC HOLDINGS **PHONE** 719-7143 138 SW PHLOX GLEN ADDRESS LAKE CITY 32024 CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143 LOCATION OF PROPERTY 47S, TL ON WESTER DR., TL ON KING ST., TR ON NIGHTSHADE, TL PHLOX GLEN, ON LEFT OF CUL-DE-SAC TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 148050.00 HEATED FLOOR AREA 2961.00 TOTAL AREA 4175.00 **HEIGHT STORIES FOUNDATION** CONC WALLS FRAMED **ROOF PITCH** FLOOR SLAB LAND USE & ZONING RSF-1 MAX. HEIGHT 21 Minimum Set Back Requirments: STREET-FRONT 25.00 **REAR** 15.00 SIDE 10.00 NO. EX.D.U. FLOOD ZONE X PP DEVELOPMENT PERMIT NO. PARCEL ID 30-4S-17-08898-118 **SUBDIVISION** WESTERWOOD **BLOCK PHASE** UNIT **TOTAL ACRES** 000001196 CBC059323 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor **CULVERT** 06-0724-N BK **Driveway Connection** LU & Zoning checked by Septic Tank Number Approved for Issuance COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE Check # or Cash 6143 FOR BUILDING & ZONING DEPARTMENT ONLY (footer/Slab) Temporary Power Monolithic date/app. by date/app. by date/app. by Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by date/app. by date/app. by Framing Rough-in plumbing above slab and below wood floor date/app. by date/app. by Electrical rough-in Heat & Air Duct Peri. beam (Lintel) date/app. by date/app. by date/app. by Permanent power C.O. Final Culvert date/app. by date/app. by date/app. by M/H tie downs, blocking, electricity and plumbing Pool date/app. by Reconnection **Utility Pole** Pump pole date/app. by date/app. by date/app. by M/H Pole Travel Trailer Re-roof date/app. by date/app. by date/app. by **BUILDING PERMIT FEE \$** 745.00 20.88 **CERTIFICATION FEE \$ SURCHARGE FEE \$** 20.88 **ZONING CERT. FEE \$** 50.00 FIRE FEE \$ 0.00 **WASTE FEE \$**

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.

FLOOD DEVELOPMENT FEE \$

INSPECTORS OFFICE

"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."

CULVERT FEE \$ 25.00

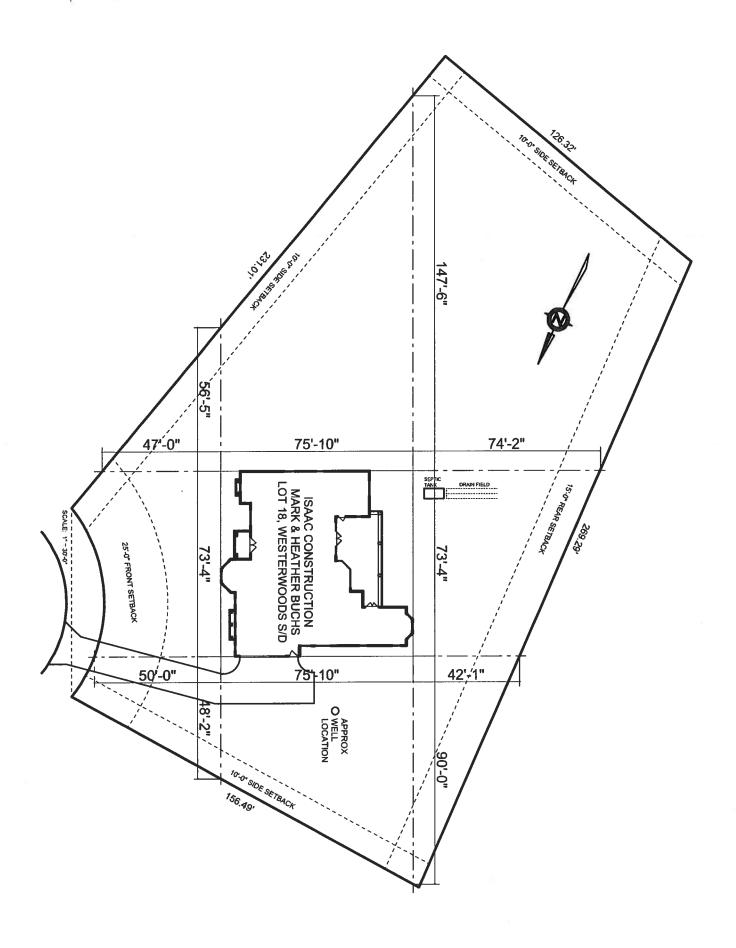
CLERKS OFFICE

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.

CK# 6130

Columbia County Building Permit Application Revised 9-23-04 For Office Use Only Application # ple **Date Received** Application Approved by - Zoning Official 01.06 Plane Examiner / Flood Zone ... 🌺 Development Permit Zoning Land Use Plan Map Category 65, U. L Comments Applicants Name Phone Address Owners Name Phone 911 Address 2024 Contractors Name Address PM Fee Simple Owner Name & Address Bonding Co. Name & Address Mark Disos. Architect/Engineer Name & Address will Myers -Mortage Lenders Name & Address Cran Circle the correct power company - FI Fower & Light - Clay Hec. - Suwannee Valley Hec. 17-08898 Estimated Cost of Construction 24 **Subdivision Name** Phase **Driving Directions** SFD Type of Construction Number of Existing Dwellings on Property Lot Size 1.01 Do you need a Culvert Permit or Culvert Walver or Have an Editing Driv Total Acreage Actual Distance of Structure from Property Lines - Front 50 Total Building Height **Number of Stories** Porch 568. 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). Webster Contractor Signature Commission # DD329279 Contractors License Number CSC STATE OF FLORIDA **Competency Card Number** Expires July 2, 2008 **COUNTY OF COLUMBIA** NOTARY STAMP/SEAL Bonded Troy Pain : Insurance, Inc. 800-385-7019 Sworn to (or affirmed) and subscribed before me day of Friday ST.



2. 3

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 06-338 POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328

RETURN TO:

TERRY MCDAVID POST OFFICE BOX 1328 LAKE CITY, PL 32056-1328

Property Appraiser's Identification Number R08898-118

WARRANTY DEED

This Warranty Deed, made this 2300 day of June, 2006, BETWEEN CAROLE J. WOUTERS and her Husband, EDWARD S. WOUTERS, whose post office address is Post Office Box 382, Ft. Pierce, Ft. 34954, of the State of Florida, grantor*, and ISAAC HOLDINGS, INC., A Florida Corporation, whose post office address is 2109 W US Highway 90, Suite 170 PMB 338, Lake City, FL 32055, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the hairs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

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

Lot 18, WESTER WOODS, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 36 and 37 of the public records of Columbia County, Florida.

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

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

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

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

Signed, sealed and delivered in our presence:

(Signature of First Witness)

(Typed Name of First Witness)

(Signature of Second Witness)

(Typed Name of Second Witness)

Carolox Chutus (SEAL

CAROLE J. WOUTERS

(dvad)

Grantor EDWARD S. WOUTERS

Printed Name

STATE OF Florida COUNTY OF St. Lucit

The foregoing instrument was acknowledged before me this 23 day of June, 2006, by CARCIE J. WOUTERS and her Husband, EDWARD S. WOUTERS, who are personally known to me or who have produced as identification and who did not take an oath.

My Commission Expires: (Seal)

Notaxy Public Printed, typed, or stamped name:

Charlotte M Walters
My Commission DCsA4668
Engines Novembor 24, 2007

Inst:2006019998 Date:07/05/2006 Time:14:42
Doc 5temp-Doed : 455.00
TO B Dollitti Cassa Calumbia County E-1098 8

DC,P.DeWitt Cason,Columbia County 8:1088 P:2241

THIS INSTRUMENT WAS PREPARED BY: TERRY McDAVID 06-335 POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328

DEBMIN	MA	r.	
PERMIT	NO.		

TAX FOLIO NO.:

NOTICE OF COMMENCEMENT

STATE OF FLORIDA COUNTY OF COLUMBIA

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 18, WESTER WOODS, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 36 and 37 of the public records of Columbia County, Florida.

- 2. General description of improvement: Construction of Dwelling
- Owner information:
 a. Name and address: ISAAC HOLDINGS, INC.
 2109 W US Highway 90, Suite 170 PMB 338, Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): None
- 4. Contractor: ISAAC CONSTRUCTION, LLC 2109 W US Highway 90, Suite 170 PMB 338, Lake City, FL 32055; Phone No.: (386) 719-7143
 - 5. Surety n/aa. Name and address:b. Amount of bond:

Inst:2006018135 Date:08/01/2006 Time:13:39
_____DC,P.DeWitt Cason,Columbia County B:1091 P:982*

- 6. Lender: Mercantile Bank 187 SE Baya Drive, Lake City, FL 32025
- 7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: NONE
- 8. In addition to himself, Owner designates Clarence B. Cannon, III, at Mercantile Bank, 187 SE Baya Drive, Lake City, FL 32025 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). July 27, 2007.

ISAAC HOLDINGS, INC.

BY: ISAAC BRATKOVICH, President

The foregoing instrument was acknowledged before me this 27th day of July, 2006, by ISAAC BRATKOVICH, President of ISAAC HOLDINGS, INC. who is personally known to me and who did not take an oath.

Notary/Public
My commission expires:_____



3867553885



Phone (386) 755-3611 Fax (386) 755-3885 Toll Free 1-800-616-4707

Notice of Intent for Preventative Treatment for Termites (As required by Florida Building Code (FBC) 104.2.6)

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

Mark Buchs - Lot 18 - Westerwoods - 30-4S17-17-08898-118 Address of Treatment or Lat/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.





Project Name:

with the Florida Energy Code.

Address:

Işaac Construction Inc.

Columbia

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Builder:

Permitting Office:

Isaac Construction Inc. - Buchs Res.

Lot: 18, Sub: Westerwoods, Plat:

City, State: Lake City, FL 32024- Owner: Mark & Heather Buchs Climate Zone: North	Permit Number: 24902 Jurisdiction Number: 22/000
1. New construction or existing 2. Single family or multi-family 3. Number of units, if multi-family 4. Number of Bedrooms 4 5. Is this a worst case? 6. Conditioned floor area (ft²) 7. Glass type l and area: (Label reqd. by 13-104.4.5 if not default) a. U-factor:	12. Cooling systems a. Central Unit Cap: 74.0 kBtu/hr SEER: 12.00 b. N/A c. N/A 13. Heating systems a. Electric Heat Pump Cap: 74.0 kBtu/hr HSPF: 7.20 b. N/A c. N/A 14. Hot water systems a. Electric Resistance Cap: 80.0 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: 0.17 Total as-built p Total base p I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:	

Florida Statutes.

DATE:

BUILDING OFFICIAL:

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCPB v4.1)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024-

PERMIT #:

	BASE					AS	-BU	ILT				
GLASS TYPES		SPM =	Points		Ove	erhang	1				15	
Floor A				Type/SC	Ornt	_		Area X	SPN	/ X	SOF:	= Points
.18 2961	.0	20.04	10680.9	Single, Clear	W	1.5	10.0	45.0	43.8	4	0.98	1931.2
				Single, Clear	N	8.5	10.0	6.0	21.7	'3	0.73	95.8
				Single, Clear	N	20.5	10.0	20.0	21.7	3	0.62	269.9
				Single, Clear	W	20.5	10.0	80.0	43.8	14	0.41	1427.1
			22	Single, Clear	N	15.5	10.0	77.0	21.7	3	0.65	1087.1
				Single, Clear	S	4.5	10.0	40.0	40.8	31	0.69	1124.0
•				Single, Clear	N	1.5	10.0	30.0	21.7	3	0.98	640.0
				Single, Clear	N	1.5	10.0	6.0	21.7	3	0.98	128.0
				Single, Clear	N	1.5	10.0	16.0	21.7	3	0.98	341.3
15				Single, Clear	NE	1.5	10.0	21.0	33.5		0.98	691.4
				Single, Clear	Ε	1.5	10.0	63.0	47.9		0.98	2953.3
				Single, Clear	SE	1.5	10.0	21.0	48.6		0.98	996.4
				Single, Clear	E	7.5	13.0	40.0	47.9		0.68	1296.9
				Single, Clear	Е	2.5	10.0	18.0	47.9		0.91	787.3
				Single, Clear	S	1.5	10.1	15.0	40.8		0.96	588.5
				Single, Clear	S	1.5	10.0	4.0	40.8	1	0.96	156.7
				As-Built Total:				502.0				14515.0
WALL TYPES	Area 2	X BSPM	= Points	Туре		R	-Valu	e Area	X	SPM	=	Points
Adjacent	430.0	0.70	301.0	Frame, Wood, Exterior			19.0	2248.0		0.90		2023.2
Exterior	2248.0	1.70	3821.6	Frame, Wood, Adjacent			13.0	430.0		0.60		258.0
Base Total:	2678.0		4122.6	As-Built Total:				2678.0			-	2281.2
DOOR TYPES	Area >	X BSPM	= Points	Туре				Area	Х	SPM	=	Points
Adjacent	20.0	1.60	32.0	Adjacent Insulated				20.0		1.60		32.0
Exterior	0.0	0.00	0.0									
Base Total:	20.0		32.0	As-Built Total:				20.0				32.0
CEILING TYPE	S Area	X BSPM	= Points	Туре		R-Val	ue	Area X S	SPM	x sc	:M =	Points
Under Attic	2961.0	1.73	5122.5	Under Attic			30.0	3061.0	1.73 X	1.00		5295.5
Base Total:	2961.0		5122.5	As-Built Total:				3061.0				5295.5
FLOOR TYPES	Area >	X BSPM	= Points	Туре		R	-Valu	e Area	Х	SPM	=	Points
Slab Raised	320.0(p) 0.0	-37.0 0.00	-11840.0 0.0	Slab-On-Grade Edge Insula	ation		0.0	320.0(p	-	41.20		-13184.0
Base Total:			-11840.0	As-Built Total:				320.0				-13184.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024- PERMIT #:

	BASE				AS-BUILT							
INFILTRATION	Area X BSF	PM = Points	31					Area	×	SPM	=	Points
	2961.0 10.	21 30231.8						2961	.0	10.21		30231.8
Summer Bas	e Points: 3	8349.9	Summer As	s-Built	l Po	ints:					39	171.5
Total Summer > Points	C System = Multiplier	Cooling Points	Total X Component (System - Poir	Ratio		Duct Multiplier I x DSM x A	Mult	tem) iplier		redit Itiplier		Cooling Points
38349.9	0.4266	16360.1	(sys 1: Central Uni 39172 39171.5	it 74000 bti 1.00 1.00	(1.0	ER/EFF(12.0 9 x 1.000 x 1.090	1.00)	nc(S),Und 0.284 .284	1	r(AH),R6.0 1.000 .000	1	2143.7 2 143.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024-

PERMIT #:

	BASE					AS	-BU	ILT			•	
GLASS TYPES .18 X Condition	oned X BV	WPM =	Points	Type/SC	Ov Ornt	erhang Len		Area X	WF	PM X	woi	= Points
.18 2961	1.0	12.74	6790.2	Single, Clear	w	1.5	10.0	45.0	28.	84	1.01	1305.2
			0.00.2	Single, Clear	N	8.5	10.0	6.0	33.		1.02	202.6
- 1				Single, Clear	N	20.5	10.0	20.0	33.		1.03	681.2
54				Single, Clear	w	20.5	10.0	80.0	28.	84	1.22	2822.5
				Single, Clear	N	15.5	10.0	77.0	33.	22	1.02	2616.8
				Single, Clear	s	4.5	10.0	40.0	20.	24	1.52	1227.5
				Single, Clear	N	1.5	10.0	30.0	33.	22	1.00	996.8
				Single, Clear	N	1.5	10.0	6.0	33.	22	1.00	199.4
				Single, Clear	N	1.5	10.0	16.0	33.	22	1.00	531.6
				Single, Clear	NE	1.5	10.0	21.0	32.	04	1.00	672.8
				Single, Clear	E	1.5	10.0	63.0	26.	41	1.01	1684.9
				Single, Clear	SE	1.5	10.0	21.0	21.	82	1.03	471.5
				Single, Clear	Ε	7.5	13.0	40.0	26.	41	1.15	1213.6
				Single, Clear	E	2.5	10.0	18.0	26.		1.04	492.2
				Single, Clear	S	1.5	10.1	15.0	20.		1.01	307.2
				Single, Clear	S	1.5	10.0	4.0	20.	24	1.01	82.0
				As-Built Total:				502.0				15507.6
WALL TYPES	Area X	BWPM	= Points	Туре		_e R	-Value	e Area	aХ	WPN	1 =	Points
Adjacent	430.0	3.60	1548.0	Frame, Wood, Exterior			19.0	2248.0	•	2.20		4945.6
Exterior	2248.0	3.70	8317.6	Frame, Wood, Adjacent			13.0	430.0		3.30		1419.0
Base Total:	2678.0		9865.6	As-Built Total:				2678.0				6364.6
DOOR TYPES	Area X	BWPM	= Points	Туре				Area	X	WPN	1 =	Points
Adjacent Exterior	20.0 0.0	8.00 0.00	160.0 0.0	Adjacent Insulated				20.0		8.00	-	160.0
Base Total:	20.0		160.0	As-Built Total:		ä		20.0				160.0
CEILING TYPE	S Area X	BWPM	= Points	Туре	ŀ	R-Valu	e A	rea X V	VPM	x wo	CM =	Points
Under Attic	2961.0	2.05	6070.0	Under Attic			30.0	3061.0	2.05	X 1.00		6275.0
Base Total:	2961.0		6070.0	As-Built Total:				3061.0				6275.0
FLOOR TYPES	Area X	BWPM	= Points	Туре		R	-Value	e Area	аΧ	WPN	1 =	Points
Slab Raised	320.0(p) 0.0	8.9 0.00	2848.0 0.0	Slab-On-Grade Edge Insul	ation		0.0	320.0(p		18.80		6016.0
Base Total:			2848.0	As-Built Total:				320.0				6016.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024- PERMIT #:

BASE	AS-BUILT						
INFILTRATION Area X BWPM = Point	Area X WPM = Points						
2961.0 -0.59 -1747.	2961.0 -0.59 -1747.0						
Winter Base Points: 23986.	Winter As-Built Points: 32576.3						
Total Winter X System = Heating Points Multiplier Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)						
23986.8 0.6274 15049.3	(sys 1: Electric Heat Pump 74000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 32576.3 1.000 (1.069 x 1.000 x 1.00) 0.474 1.000 16493.1 32576.3 1.00 1.069 0.474 1.000 16493.1						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024- PERMIT #:

BASE						AS-BUILT								
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	х	Tank X Ratio	Multiplier	X Credit Multiplier			
4		2635.00		10540.0	80.0	0.90	4		1.00	2693.56	1.00	10774.2		
					As-Built To	otal:						10774.2		

	CODE COMPLIANCE STATUS												
	BASE							AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating +	Hot Water Points	=	Total Points	
16360		15049		10540		41949	12144		16493	10774		39411	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024- PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.4

The higher the score, the more efficient the home.

Mark & Heather Buchs, Lot: 18, Sub: Westerwoods, Plat: , Lake City, FL, 32024-

					•		
1.	New construction or existing	New	_	12.	Cooling systems		
2.	Single family or multi-family	Single family	_	a.	Central Unit	Cap: 74.0 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)	2961 ft²	_	c.	N/A		
7.	Glass type 1 and area: (Label reqd.	by 13-104.4.5 if not default)					_
a.	U-factor:	Description Area		13.	Heating systems		
	(or Single or Double DEFAULT)	7a(Sngle Default) 502.0 ft ²	_	a.	Electric Heat Pump	Cap: 74.0 kBtu/hr	·
b.	SHGC:	,				HSPF: 7.20	_
	(or Clear or Tint DEFAULT)	7b. (Clear) 502.0 ft ²		b.	N/A		_
8.	Floor types						_
a.	Slab-On-Grade Edge Insulation	R=0.0, 320.0(p) ft		c.	N/A		-
b.	N/A		_				
c.	N/A		_	14.	Hot water systems		
9.	Wall types			a.	Electric Resistance	Cap: 80.0 gallons	
a.	Frame, Wood, Exterior	R=19.0, 2248.0 ft ²				EF: 0.90	_
b.	Frame, Wood, Adjacent	R=13.0, 430.0 ft ²		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, 3061.0 ft ²	_	15.	HVAC credits		-
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,		
c.	N/A		_		HF-Whole house fan,		
11.	Ducts(Leak Free)				PT-Programmable Thermostat,		
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 65.0 ft	_		MZ-C-Multizone cooling,		
b.	N/A		_		MZ-H-Multizone heating)		
			-		-		
Con	rtify that this home has compli- astruction through the above en	ergy saving features which	h will b	e in	stalled (or exceeded)	OF THE STATE	· All
	nis home before final inspection		Display	Car	d will be completed		
base	ed on installed Code compliant	features.				3	181
Bui	lder Signature:		Date:			R T	151
			•				

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

City/FL Zip:

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4. EnergyGauge® (Version: FLRCPB v4.1)

Address of New Home:

Energy Code Compliance

Duct System Performance Report

Project Name:

Isaac Construction Inc. - Buchs Res.

Builder:

Isaac Construction Inc.

Address:

City, State: Owner:

Lake City, FL 32024-Mark & Heather Buchs

Climate Zone: North

Permitting Office: Permit Number: Jurisdiction Number:

Total Duct System Leakage Test Results

CFM2	CFM25 Total Duct Leakage Test Values											
Line	System	Duct Leakage Total	Duct Leakage to Outdoors									
1	System1	cfm25(tot)	cfm25(out)									
2	System2	cfm25(tot)	cfm25(out)									
3	System3	cfm25(tot)	cfm25(out)									
4	System4	cfm25(tot)	cfm25(out)									
5	Total House Duct System Leakage	Sum lines 1-4 Divide by (Total Conditioned Floor Area) =(Q _n ,tot) Receive credit if Q _n ,tot≤ 0.03	Sum lines 1-4 Divide by (Total Conditioned Floor Area) =(Q_n,out) Receive credit if Q_n,out≤ 0.03 AND Q_n,tot≤ 0.09									

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____

Florida Rater Certification #: ______

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp



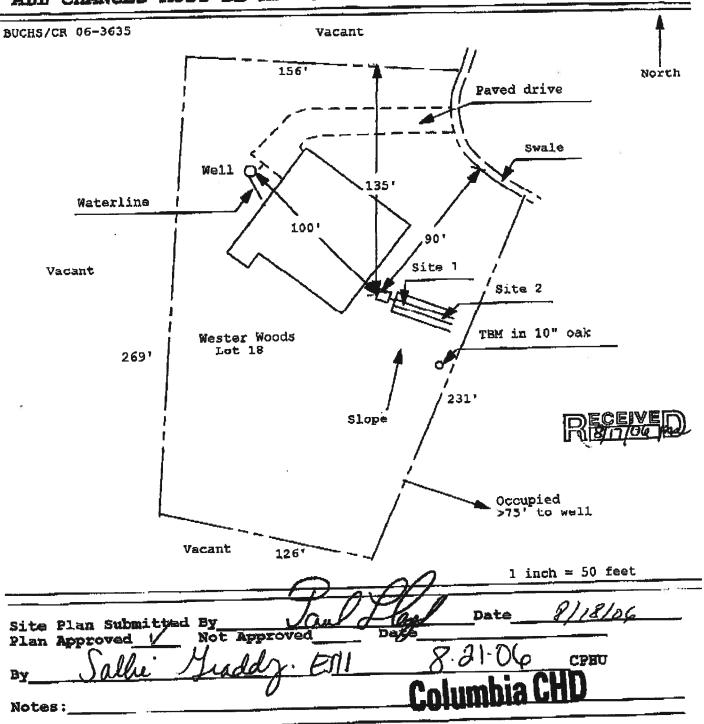
BUILDING OFFICIAL: ______
DATE: _____

88/17/2006 10:23 2007520050 PAUL LLOYD

PAGE 02/02



ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT





BUILDING DREAM LIOMES.

3-19-07

- 2109 W. U.S LIVY 90 | SUITE #170 PMB338 LAKE CITY, FL 32055

Mark Buchs can pick up info from the building Dept. for Buchs Residence job.

Banbara Websh Isaac anstruction

Mado

Columbia County Building Department Culvert Permit

Culvert Permit No. 000001196

DATE	08/23/2006	PARCEL II) # <u>30-4S-17-08898-118</u>		
APPLICAN	T LINDA ROD	DER	PHONE	752-2281	
ADDRESS	387 SW K	EMP COURT	LAKE CITY	FL	32024
OWNER	ISAAC HOLDIN	GS	PHONE	719-7143	
ADDRESS	138 SW PH	LOX GLEN	LAKE CITY	FL	32024
CONTRAC	TOR ISAAC CO	ONSTRUCTION	PHONE	719-7143	
LOCATION	N OF PROPERT	Y 47S, TL ON WESTER	DR., TL ON KING ST., TR ON	NIGHTSHADE, TL C)N
PHLOX GLEN	N, ON LEFT OF CU	JL-DE-SAC			
SUBDIVISI	ON/LOT/BLOG	CK/PHASE/UNIT WES	TERWOOD	18	
SIGNATUR	Œ	ache North			
	INSTALI	LATION REQUIREMI	ENTS		
X	Culvert si driving su	ze will be 18 inches in d	iameter with a total lenght mitered 4 foot with a 4:1	of 32 feet, leaving slope and poured	24 feet of with a 4 inch
	a) a maj b) the di Turno concre	ority of the current and e riveway to be served will uts shall be concrete or p	ts will be required as followexisting driveway turnouts at the paved or formed with convert a minimum of 12 feethichever is greater. The witconcreted turnouts.	are paved, or; concrete. t wide or the widt	
	Culvert ins	stallation shall conform t	to the approved site plan sta	andards.	
	Departmen	nt of Transportation Pern	nit installation approved sta	andards.	
	Other				
					<u> </u>

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, 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 30-4S-17-08898-118

Permit Holder ISAAC CONSTRUCTION Use Classification SFD, UTILITY

Owner of Building ISAAC HOLDINGS

Total:

89.32

Location: 138 SW PHLOX GLEN, LAKE CITY, FL

Date: 06/25/2007

Building permit No. 000024902

Fire: Waste: 67.00 22.32

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)



From: The Columbia County Building & Zoning Department

Plan Review

135 NE Hernando Av.

P.O. Box 1529

Lake City Florida 32056-1529

Reference to a building permit application Number: 0608-34

Contractor Isaac Construction Owner Isaac Construction property ID# 30-4s-17-08898-118 Lot 18 of Westerwood Subdivision

On the date of August 17, 2006 application 0608-34 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.

<u>Please include application number 0608-34 and when making</u> reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

- Please provide a copy of a signed released site plan from the Columbia
 County Environmental Health Department which confirms approval of the
 waste water disposal system.
- 2. The structural drawing detail Page S-3 miter glass wall requires that no truss attachment be made to this wall section. After reviewing truss drawing submitted by Anderson Truss Company several trusses do attach and require support from this miter glass wall. Please have Anderson Truss Company redesign these trusses to correct the problem.
- **3.** The miter glass wall is part of the exterior shear walls and is required to have a windload design and Florida product approval number for the frames which house the glazed glass area.

Joe Haltiwanger

Columbia County
Plan Examiner





Stats & Facts Publications: FBC Staff: BCIS Site Map: Links: Search

Submit Surcharge

BCIS Home Log In Hot Topics

USER: Pubic User Product Approval

Product Approval Menu > Product or Application Search > Application List > Application Detail

FL #

Code Version Application Type

Application Status

Archived Comments

Address/Phone/Email **Product Manufacturer**

Authorized Signature

Technical Representative Address/Phone/Email

FL125-R1

2004 Revision

Approved

P.O. 30x 6429 Kincc, Ltd. Jacksonville, FL 32236-642 5245 Old Kings Road jim.puckett@kinco-windows.com (904) 355-1476 ext 180

jim.puckett@kinco-windows.com James Puckett

5245 Old Kings Rd. N. Jacksonville, FL 32254 James Puckett

jirn.puckett@kinco-windows.com

1074

8/17/2006 5:17 PM 85

PAGE

LINDA RUDER

0228294988

9002/21/80 te:9t

Florida Building Code Orlino

Description

Model, Number or Name

Summary of Products FL # M

de Orlinc		http://www.floxidabuilding.org/pr/pr_app_dtl.cspx?param=wGEVXQwtDqvG4Aty8Uaffd	EVXQwtDqvG4Aty8Uaffd
			S/13/20
	Quality Assurance Representative Address/Phone/Email		ane 12
	Category	Wincows	. 31
	Subcategory	Fixed	3 0 0
	Corr pliance Method	Certification Mark or Listing	,10,1 3 2.
	Certification Agency	American Architectural Manufacturers Association	20
	Referenced Standard and Year (of Standard)	Standard ANSI/AAMA/NWWDA 101 I.S. 2	<u>Year</u> 1997
	Equivalence of Product Standards Certified By		L.INDA KU
			UE K
	Product Approval Method	Method 1 Option A	
	Date Submitted Date Validated	09/22/2005	
	Date Pending FBC Approval Date Approved	09/30/2005 09/30/2005 10/11/2005	

Online
Code
Building
Florida

to a production of the control of th			12
125.1	Mark 40/50 PW / CT	Aluminum Fixed	7 200
Limits of Use (See Other) Approved for use in HVH Approved for use outside Impact Resistant:	Other) in HVHZ: outside HVHZ:	Certification Agency Certificate Installation Instructions PTD 125 R1 I KJAX0089 - TW-TB PW-CT 1x buck ruff	95 15:31
Other: With Annealed G 48"x96" With Tempered G 60"x120" DP80 48"x144"	Design Pressure: +/- Other: With Annealed Glass: DP35 72"x72" DP60 48"x96" With Tempered Glass: DP80 84"x84" DP80 60"x120" DP80 48"x144"	PTID 125 R1 1 KJAX0090 - TW-TB PW-CT 2x buck.pdf PTID 125 R1 1 KJAX0091 - TW-TB PW-CT wood frame.pdf PTID 125 R1 1 KJAX0093 - M40-50 PW-CT 2x buck.pdf PTID 125 R1 1 KJAX0094 - M40-50 PW-CT xood	3 6 6752 6 220
125.2	TB PW/CT	Verified By: Aluminim Fixed - Thermal Broats	
Limits of Use (See Other) Approved for use in HVH2 Approved for use outside Impact Resistant: Design Pressure: +/- Other: With Annealed Glass Tempered Glass: DP60 60"x1	Other) In HVHZ: Dutside HVHZ: E4- E4 Glass: DP50 54"X84" with 50 60"x120"	Certification Agency Certificate Installation Instructions Verified By:	LINDA RODER
125.3	TW PW/CT	Aluminum Fixed	
Approved for use in HVHZ: Approved for use in HVHZ: Approved for use outside I Impact Resistant: Design Pressure: +/- Other: With Annealed Glass:	other) n HVHZ: vutside HVHZ: -/- d Glass: DP50 54"X84" With	Certification Agency Certificate Installation Instructions Verified By:	F

Forida Building Code Online

Back

Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumad Oak Boulevard
7alfahassee, Florida 32399-2100
(850) 487-1824, Suncorn 277-1824, Fax (850) 414-8436
© 2000-2005 The State of Florida. All rights reserved. Copyright and Disclaimer
Product Approval Accepts:





Lot 10 Westerward.
Mark Buchs

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
- 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Applicant	Plans Examin	er
B		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.
e C	0	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
9	0	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.
		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
D	0	Elevations including:
		a) All sides
d,		b) Roof pitch
		c) Overhang dimensions and detail with attic ventilation
ď/		d) Location, size and height above roof of chimneys
01	0	e) Location and size of skylights
موموموم		f) Building height
	O	e) Number of stories

		가입하다 하는 사람들이 되었다.
		Floor Plan including:
-	0	a) Rooms labeled and dimensioned
2/		L) Change wells
D D	Ö	c) Windows and doors (including garage doors) showing size, mig., approval listing and attachment specs. (FBC 1707) and safety glazing where needed
1.		(egress windows in bedrooms to be shown)
	0	d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
ם	0	e) Stairs with dimensions (width, tread and riser) and details of guardrails and
B/	D	f) Must show and identify accessibility requirements (accesssable bathroom)
R	ם	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
12/	O	c) Any special support required by soil analysis such as piling
d	<u> </u>	d) Location of any vertical steel
0		Roof System:
) many makens including
8	0	1. Truss layout and truss details signed and sealed by 11. 110. Day. Professorably CFBC 104.2 1 Roofing system, materials,
		manufacturer, fastening requirements and product evaluation with wind resistance rating)
0	0	b) Conventional Framing Layout including:
•		1. Rafter size, species and spacing
		2. Attachment to wall and uplift
		 Ridge beam sized and valley framing and support details Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
		Wall Sections including:
0		a) Masonry wall
- L		1 All meterials making up Wall
		2. Block size and mortar type with size and spacing of reinforcement
		 Lintel, tie-beam sizes and reinforcement 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
	3 to "e-1 to "	size of festeners for continuous tie from roof to foundation
7 - 7 - 7		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
		as the second se
		9. Shoe type of termite treatment (termiticide of alternative mounts) 10. Slab on grade
		a. Vapor retarder (6mil, Polyethylene with joints lapped 6 inches and sealed)
		b. Must show control joints, synthetic fiber reinforcement of Welded fire fabric reinforcement and supports
		11. Indicate where pressure treated wood will be placed
MATE. 1		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
	10 mag	hinge bracing detail
		to the first of the first term and the first to the first
		6. All required fasteners for continuous de from root to roundants. (truss anchors, straps, anchor bolts and washers)
		7 Poof essembly shown here or on roof system detail (FBC104.2.1
		Roofing system, materials, manufacturer, tastening requirements
		and product evaluation with wind resistance rating)
		8. Fire resistant construction (if applicable)
		O Firencofing requirements
		10. Show type of termite treatment (termiticide or alternative method)
		11 Slah 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
7 35 37 5		b. Exterior wall cavity c. Crawl space (if applicable)
		c) Metal frame wall and roof (designed, signed and sealed by Florida Prof.
		c) Metal trame wan and root (designed, signed and senter of
		Engineer or Architect) Floor Framing System:
		a) Floor truss package including layout and details, signed and sealed by Florida
Q ,	0	Registered Professional Engineer
	О	b) Floor joist size and spacing
	0	c) Girder size and spacing
		d) Attachment of joist to girder
6	ō	e) Wind load requirements where applicable
		Plumbing Fixture layout
		Electrical layout including:
1		a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
e ,	0	b) Ceiling fans
0/	0	c) Smoke detectors
0/		d) Service panel and sub-panel size and location(s)
0/		e) Meter location with type of service entrance (overhead or underground)
Ø		f) Appliances and HVAC equipment
		HVAC information
0/	D	a) Manual J sizing equipment or equivalent computation
	0	b) Exhaust fans in bathroom
	D	Energy Calculations (dimensions shall match plans) Gas System Type (LP or Natural) Location and BTU demand of equipment
	0	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
		그 가장 경기에 가는 바로 하다는 것으로 그렇게 하는 사람이 하는

FROM

FRK ND. : 386-755-7022

Sep. 17 2002 01:52PM P:

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL DWNERS PHONE (904) 782-784

FAX (904) 785-762

EEXISTIN THE ENTRY
LAKE CITY, FLORIDA 2055

904 NW Main Blyd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank, you,

Donald A Halv

DDH/IN



FEB - 4 PET

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at FAMKO'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)

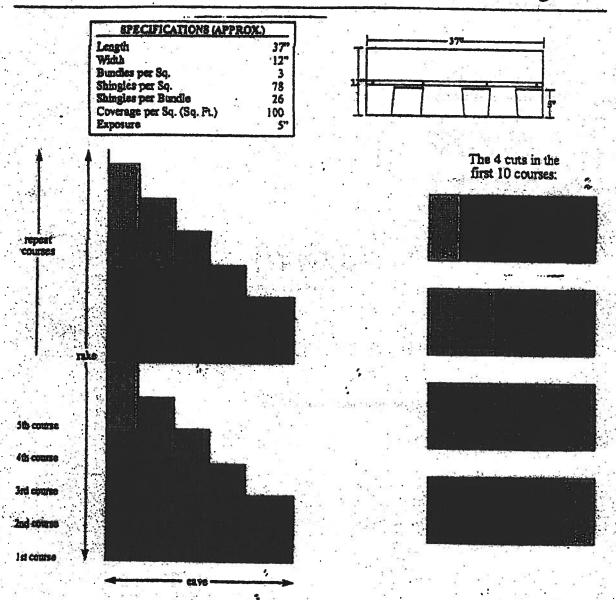
All testing was performed by Florida State certified independent labs.

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

TAMKO Roofing Products, Inc.



Application Instructions For Heritage® 25 Series Shingles



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.



Application Instructions for

• Glass-Seal — • Glass-Seal AR

• Elite Glass-Seal^o AR

THEE THE ASPEALF SHITTELES

These are the manufacturer's application instructions for the roofing conditions described. Tanko 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 SE 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 THEK

Tress shirigles 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 is, per foot, refer to special instrugions littled "Low Slope Application", Shirigles 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.

NEWROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and fee from warped surfaces. It is recommended that matel 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. thick-risels and applied in apportance with the recommendations of the American Plywood Association.

SHEATHING HOARDS: Boards shall be well-esesoned longue-andgrows boards and not dwar 5 in. nominal width. Seards shall be at 1 in. nominal minimum thickness. Sounds shall be properly spaced and nailed.

2. VINTILATION

inadequate ventilation of altic spaces can pause accumulation of moisture in winter months and a build up of heat in the euromer. These conditions can lead to:

- 1, Vappr Condensation
- 2. Buckling of skingles due to deck movement.
- 3. Rolling of wood members.
- 4. Premeture failure of roof.

To insure adequate vanilation and circulation of six, place lossvers of sufficient size high in the gable ends and/or trainill continuous ridge and sofit vents.

som venus.
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 ventre territe is installed on the vent adds of the celling or it is beset one half of the ventilation is provided near the flogs. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VEH-

2. PASTERONA

NAS: TAMKO recommends the use of nails as the preferred method of spoliculion.

White 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 smitght. These

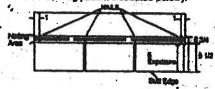
conditions may impade the sealing of the adhesive strips on the shingles. The imbility to seel down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the festening instructions described below.

Correct placement of the fasteners is critical to this performance of the shingle. If the fasteners are not placed as shown in the diagrafs 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 gate force; Gale force shall be the standard as defined by the U.S. Weather Burgay.

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

Standard Fastening Pattern. (For use on decits with slopes 2 in, per foot to 21 in, per foot.) One fastener 1 in, back from each end end one 12 in, back from each end of the shingle for a total of 4 fasteners.

(See standard feelening pattern Businsted below).



2) Manaard or High Wind Fastening Patiers. (For use on decks with slopes graster than 21 is, per toot.) One fastener 1 is; bect from Such and one fastener 10-1/2 is, back from each and one fastener 13-1/2 is, back from each end for a total of 6 fastener per altingle, (See Manaard fastening patiers Mustraled below.)



NAMES: TAMKO recommends the use of natis as the preferred method of application. Standard type roofing nails should be used. Natisharks should be made of minimum 12-gauge wire, and a minimum hand dameter of 3/8 in. Nails should be long anough to penatrate 3/4 in.

(Continued)

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Central District Northeast District Southeast District Southwest District Western District 220 West 4th St., Joplin, MO 64801 4500 Tamito Dr., Frederick, MD 21701 2300 35th St., Tuscaloosa, AL 35401 7910 S. Centrel Exp., Dellas, TX 76216 6300 East 43th Ava., Denver, CO 60216

800-841-4691 800-368-2066 800-228-2656 800-443-1834 800-530-8868

07/01



(CONTINUED HORTPG. 2)

Glass-Seal

• Elite Glass-Seal® AR

THE EX-TAN ASPUALT SHINELES

with quick setting asphalt adhesive coment immediately upon installation. Spots of cament must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in, exposure, use 6 festioners per shingle. See Section 3 for the Mansard Fastening Pattern.

S. REMORFING

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

Nall down or remove curied 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 protuding naits. Hammer down all protruding naits or remove them and refasten in a new location. Remove all drip adge metal and replace with new.

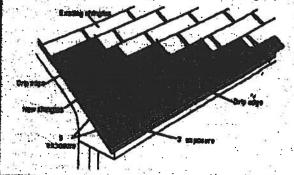
If re-noting over an existing roof where new fashing is required to protect spainst los tisms (fresse/thaw cycle of water and/or the backup of water in frozen or dogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall the and apply TAMKO's Moisture Guard Plust waterproofing underlayment. Contact TAMKO's Technical Services Department for trace information.

The newtro production destribed below is the preferred method for rerooting over equate tab step stringles with a 5 in, exposure,

Statter Clearast Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in, take from the hollow 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 place so that the self-eeoing adhesive less along the cares and is even with the satisfar coof. The starter strip should be wide enough to overhang the cover and carry water into the guiter. Remove 3 in, from the largeth of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course; Out off approximately 2 in, from the bottom edge of the stringles so that the stringles 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 stringle and fasten according to the instructions printed in Section 3.

Biscord and Succession Courses; According to the offset 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.

S. TALLAY APPLICATION

Over the shingle underlayment, center a 36 in, wide sheet of TAMKO -Na3-Past^o or a minimum 50 fb; toll roofing in the velley. Nail the fall only where necessary to hold it in place and then only nail the outside edges.

edges. IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PRE-VENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

 Apply the first course of shingles along the caves 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.

- fixtend the end shingle at least 12 in, onto the adjoining roof. Apply successing courses in the same marrier, extending them scross the velley and onto the adjoining roof.
- . Do not trim if the shingle length exceeds 12 in, Lengths should vary.
- Press the shingles tightly into the valley.

 Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the velley 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 him a minimum of 2 in. back from the camerline of the valley.

Note: For a nester installation, enep a chalking over the chingles for guidance:

- City the upper comer of each shingle at a 46-degree angle and embed the end of the shingle in a 3 in. wide ship of sighall plastic coment. This will prayer water from penetrating between the courses by death at the course with a selection.
- CAUTIGAT:
 Achesive quart be applied in amouth, this, even layers.

Excessive use of adhesive will cause bilistering to this product.

TAMKO assumes no responsibility for blistering.



(Conlinued)

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THE MEDICAL PROPERTY.

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(CONTINUED from Pg. 3)

- Gloca-Sea

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FOR ALTERNATE VALLEY APPLICATION METHODS: PLEASE CON-TACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. ETP AND MINES TANTERING DETAIL.

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the and of the tidge 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 neil directly into the seelant.

TANKO recommends the visu of TANKO Hip & Ridge shingle products. Where matching cotting are mystistic, it is acceptable to use TANKO's Glass-Seal or Elite Glass-Seal shingles out down to 12 in, pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Gless-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 GAN OCCUR WHILE BEND ING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUC-TIONS FOR THE ROOFING CONDITIONS DESCRIBED, TANKO roofing products, Inc. Assumes no responsibility for LEAKS OR OTHER ROOFING DEFECTS REBULTING FROM FALL URE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

Direction of preveiling wind

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

HWM র্বাপ শতার সামর্যার প্রায়েশ্বরনার প্রতার সামী Wasting Pessenting

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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 bloding 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 werranty that is also printed on this wrapper, or any other werranty, including, but not limited to (except where prohibited by lew) implied warrantes of MERCHANTABILITY and FITNESS FOR USE:

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220 West 4th St., Joplin, MO 64801 4600 Tamko Dr., Frederick, MD 21701 2300 35th St., Tuscalogea; AL 35401 7910 8. Central Exp., Dalles, TX 75218 5300 East 43rd Ave., Denver, CO 80218 800-641-4691 800-368-2055 800-228-2656

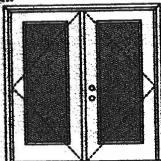
07/01

800-443-1834 8888-068-006

FREEDOM COMPENSATION FROM

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Design Pressure +40.5/-40.5

Large Atlesije impact Recisiance

Hurricane protective system (shutters) is REQUIRED.

INIMUM ASSEMBLY DETAIL:

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

NAMEUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES: 1/4 BLASS:











1/2 GLASS:















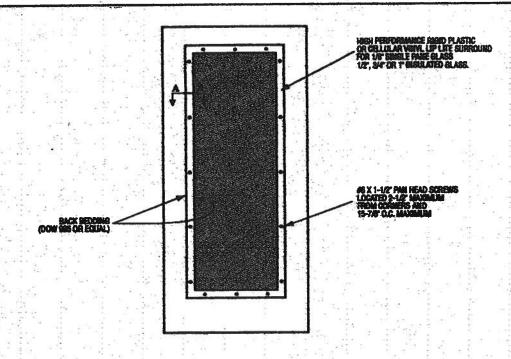


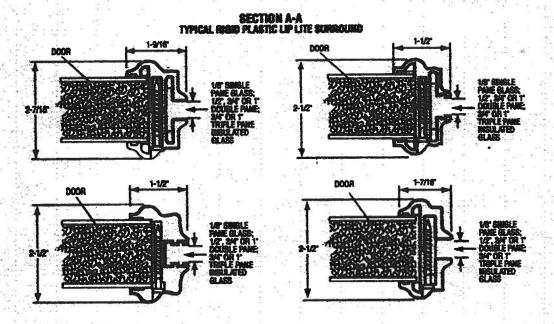
"This glass lit may also be used in the following door styles: 5-panel; 6-panel with accolt; Epuberum 6-panel; Epuberum 6-panel; Epuberum 6-panel; explorer 6-panel; explorer



MAD-WL-MAGGAT-02

GLASS INSERT IN DOOR OR SIDELITE PANEL







WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 QLASS:

















CENTIFIED TEST REPORTS:

MCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 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 polyurathane 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 any knowledge and ability the above side-kinged exterior door unit conferms to the requirements of the 2001 Fiorida Building Code, Chapter 17 (Structural Tests and Inspections).

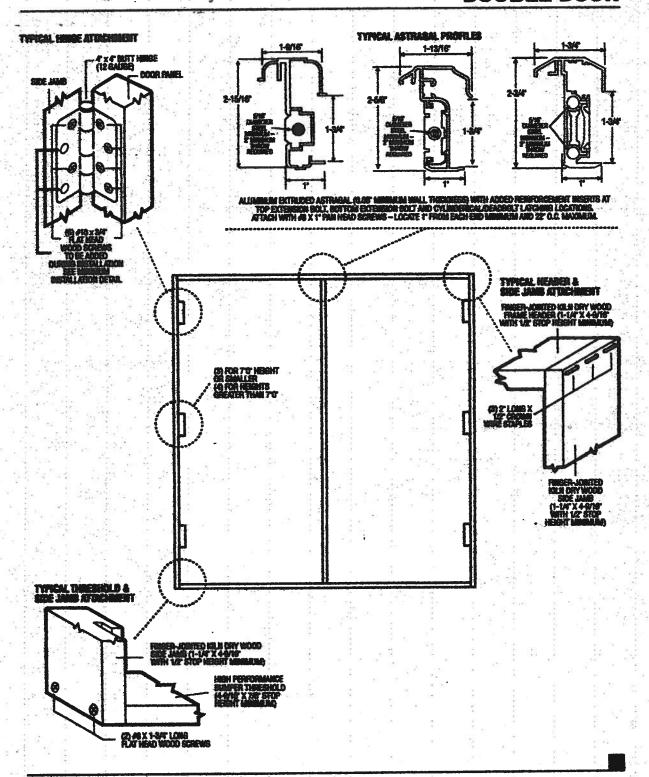
State of Florida, Professional Engineer Kurt Beithazor, P.E. – License Number 56533

Johnson Etypysess

March 29, 2002 he cathering jampus of product improvement makes specifications, design and product healt pathet in defense offices and or



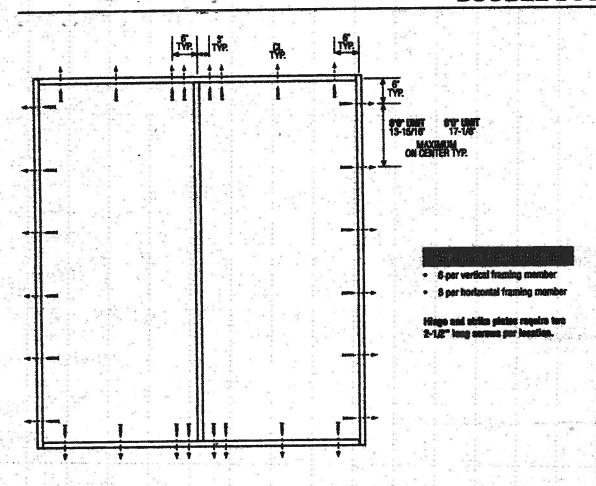
OUTSWING UNITS WITH DOUBLE DOOR



March 29, 2022 Our containing program of product beyond and makes specification during the product configuration of product in program without parties.



DOUBLE DOOR



Latching Hardware:

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

Motes:

- 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 annurulas respectively, each with minimum 1-1/4" embedment.
- 3. Wood bucks by others, must be anchored properly to transfer loads to the structure.





AAMANWWDA 101/LS.2-97 TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Remin
Rating	HORED Y DAY
Overall Design Pressure	+45.0 pag -47.2 pag
Operating Force Air intilination	11 lb max.
Water Resistance	0.13 cfm/ft 6.00 pgf
Structural Test Pressure	+67.5 par
Deglazing	-70.8 par Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 detect 03/25/02 for complete test specialist description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Heas Technician

MAH:nib

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AAMANWWDA 101/142397 TESTERFORT

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 Blizabethville, 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/LS 2-97, Voluntary Specifications for Abuntnum, Playl (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 Sanh Shan: 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.

Glassing Details: The active and fixed lites utilized 5/8" shick, sealed insulating constructed from two sheets of 1/8" thick, clear annualed gians and a rootal reinfluor spacer system. The active such was channel glazed utilizing a flexible vinyl wing gasket. The fixed lite was interior glazed against double-sided adhesive from secured with PVC snap-in glazing beads.

> 130 Dany Court YORK, PA 17402-9405 phone: 717,764.7700 fen: 717.764.4129

www.archtest.com



01-41134.01 Page 2 of 5

Test Specimen Description: (Continued)

Weatherstripping:

 Description Quantity Location	
0.230" high by 0.270" 1 Row Fixed meeting mil	
backed polypile with	200
center for	
0.250" high by 0.187" 2 Rows Active such stiles backed polypile with	400
Center fin	45 E
1/2" x 1/2" dust plug 4 Pieces Active seab, top and bottom of	
alles	44 44
1/4" form-filled 1 Row Active such, bottom rall	
vinyi bulb seal	

Frame Construction: The frame was constructed of extraded abstraints with copid, butted, and scaled corners fastened with two #8 x 1" screws through the head and still into each jamb screw boss. End caps were utilized on the ends of the fixed mostling rail and secured with two 1-1/4" screws per cap. Meeting rail was accured to the frame utilizing two 1-1/4" screws.

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

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

Hardware:

Description		Ovantity	Location		
Metal cam lock with keeper			Midspan, set	ive meeting rail v at on fixed meet	rich
Plantic tilt lateb		2		nesting rail ends	
Motal tilt pin		2		ottom rali ends	
Balance assemi	ıly.	2	One in each j		III M. BENA
Screen plunger		2	4" from rail a		NO 1978
				7.	
			aun		TATE OF S



Test Specimen Description: (Coptinued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Restallation: The test specimen was installed into a 2×8 #2 Spruos-Pine-Fit wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polymetisms was used as a sesient under the nail fin and around the exterior parimeter.

Test Results:

The results are tabulated as follows:

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Note #1: The tested specimen meets the performance levels specified in AAMA/NIPWDA. 101/2.5. 2-97 for air infiltration.

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) (Londs were held for 33 seconds) @ 25.9 par (positive) Was will 0.42** 0.26" max. @34.7 psf (negative) 0.43** 0.26° max

*Exceeds L/173 for siglection, but passes all other test requirements.

2.1,4.2 Uniform Load Structural (ASTM E 330-97)
(Measurements reported were taken on the meeting mil)
(Loads were held for 10 accords)
@ 38.9 par (positive)

0.02*

@ 52.1 paf (negative) 0.02**

0.18" max. 0.18" max. o.18" max.

OLL 91 Par

HO TEST

01-41134.01 Page 4 of 5



Test Specimes Description: (Continued)

Panacah	Title of Test - Test Method	Beech	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail Bottom rail	0.12"/25% 0.12"/25%	0.50°/100% 0.50°/100%
	In remaining direction at 50 fbs		
	Left ville Right stile	0.06"/12% 0.06"/12%	0.50*/100% 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 Test A7	No entry No entry	No entry No entry
. Cuinar	Lock Manipulation Test	No entry	No entry
Cational Part			

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100																			300				P			4 4

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

Uniform Load Structural (ASTM B 330-97)
(Measurements reported were taken on the meeting rail)
(Loads were held for 10 seconds)
@ 67.5 per (positive)
@ 70.8 per (negative)
0.05*

O.18 depart Confidence of the leader of the

all M. Rom



01-41134.01 Page 5 of 5

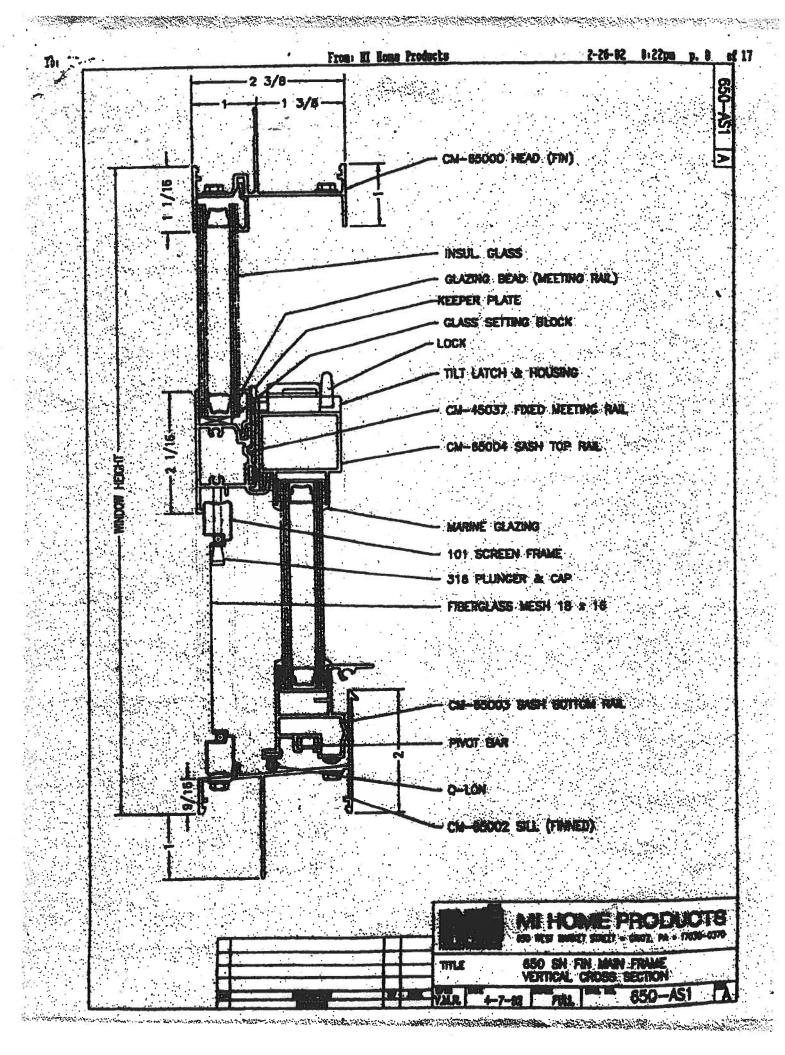
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods end they indicate complishes with the performance requirements of the above referenced specification.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

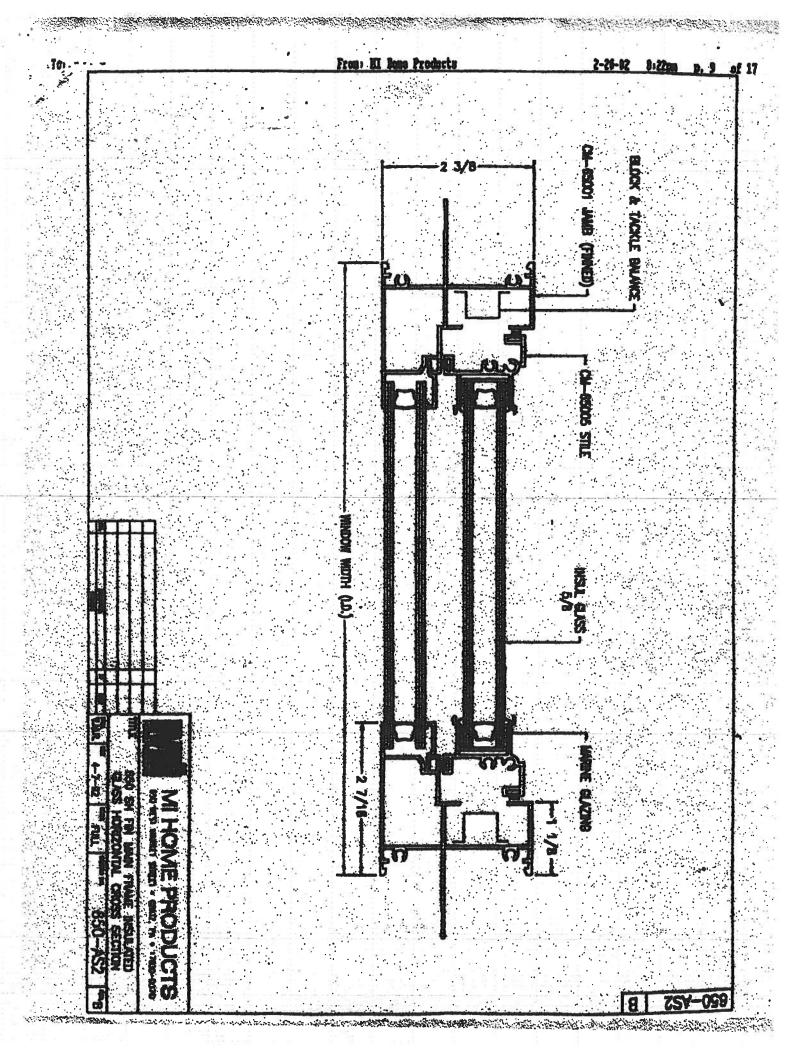
For ARCHITECTURAL TESTING, INC:

Mark A. Heas Technician

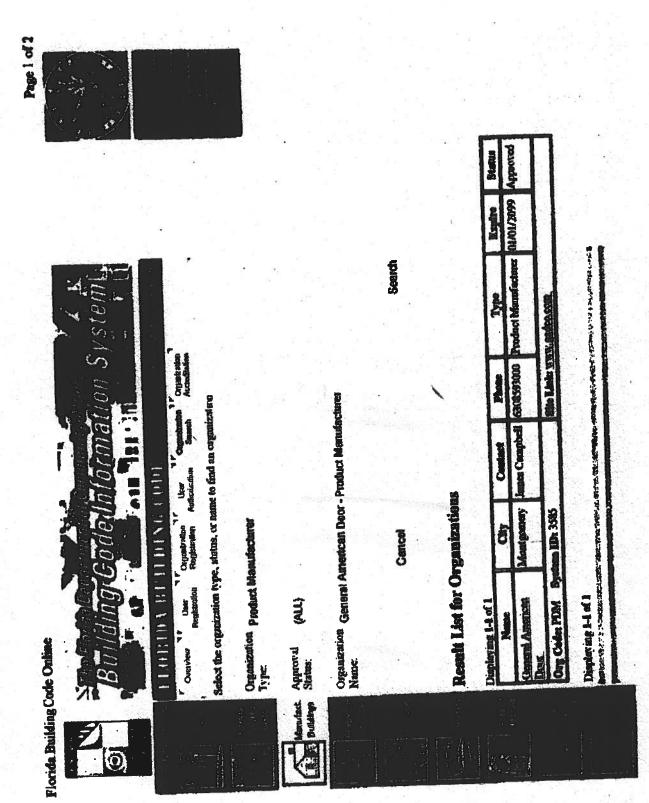
MAH:nlb 01-41134.01 Allen N. Reeves, P.B. Director - Engineering Services



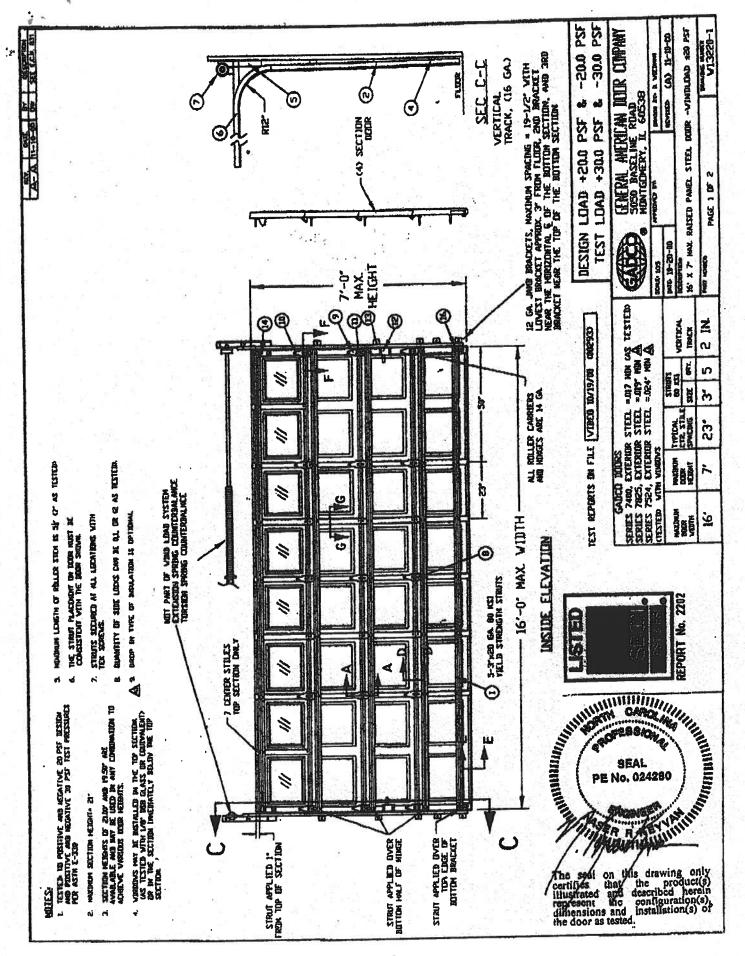


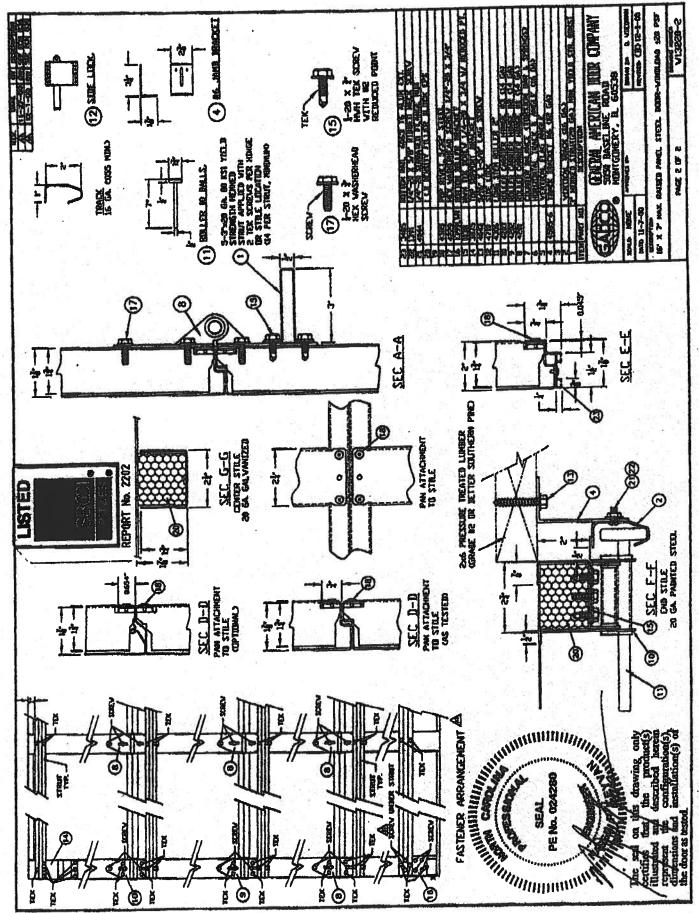


6/21/2004



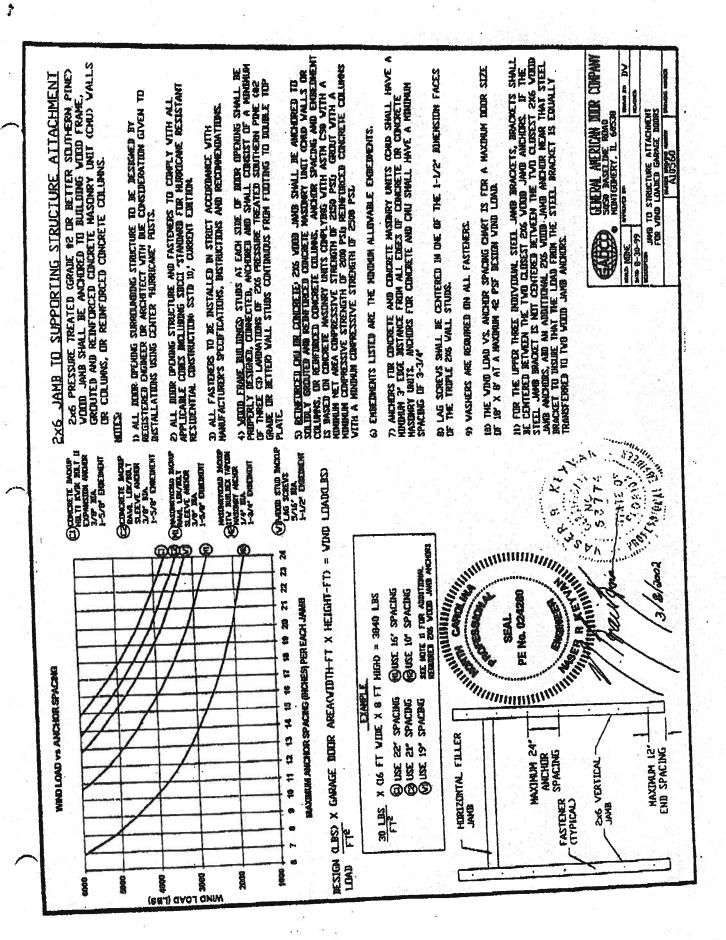
http://www.floridebuilding.org/Common/c_org_regi_SNCH.asp





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## **Residential System Sizing Calculation**

#### Summary Project Title:

Mark & Heather Buchs

Lake City, FL 32024-

Project Title: Isaac Construction Inc. - Buchs Res.

Code Only Professional Version Climate: North

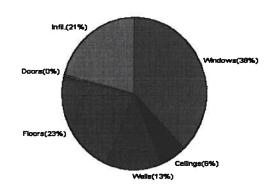
7/20/2006

				772072000	
Location for weather data: Gaine	sville - Def	aults: Latitu	ide(29) Altitude(152 ft.) Temp Range	e(M)	8
Humidity data: Interior RH (50%	) Outdoor	wet bulb (7	7F) Humidity difference(54gr.)	•	
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	62059	Btuh	Total cooling load calculation	59242	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.2	74000	Sensible (SHR = 0.75)	115.8	55500
Heat Pump + Auxiliary(0.0kW)	119.2	74000	Latent	163.7	18500
			Total (Electric Heat Pump)	124.9	74000

#### WINTER CALCULATIONS

Winter Heating Load (for 2961 sqft)

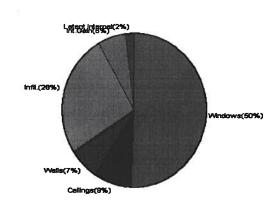
Load component			Load	
Window total	502	sqft	23589	Btuh
Wall total	2678	sqft	7839	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	3061	sqft	3607	Btuh
Floor total	320	sqft	13971	Btuh
Infiltration	316	cfm	12794	Btuh
Duct loss			0	Btuh
Subtotal			62059	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			62059	Btuh



#### **SUMMER CALCULATIONS**

Summer Cooling Load (for 2961 sqft)

Load component	_		Load					
Window total	502	sqft	29735	Btuh				
Wall total	2678	sqft	4019	Btuh				
Door total	20	sqft	196	Btuh				
Ceiling total	3061	sqft	5069	Btuh				
Floor total			0	Btuh				
Infiltration	276	cfm	5143	Btuh				
Internal gain			3780	Btuh				
Duct gain			0	Btuh				
Sens. Ventilation	0	cfm	0	Btuh				
Total sensible gain			47942	Btuh				
Latent gain(ducts)		ĺ	0	Btuh				
Latent gain(infiltration)			10100	Btuh				
Latent gain(ventilation)	Latent gain(ventilation)							
Latent gain(internal/occup	1200	Btuh						
Total latent gain	Total latent gain							
TOTAL HEAT GAIN			59242	Btuh				



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For Florida residences only

DATE: 7-20-06

## **System Sizing Calculations - Winter**

## Residential Load - Whole House Component Details

Mark & Heather Buchs

Project Title:

Isaac Construction Inc. - Buchs Res.

Professional Version

Climate: North

Lake City, FL 32024-

7/20/2006

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

#### Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load		
1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh		
2	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh		
3	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh		
4	1, Clear, Metal, 1.27	W	80.0	47.0	3759 Btuh		
5	1, Clear, Metal, 1.27	N	77.0	47.0	3618 Btuh		
6	1, Clear, Metal, 1.27	S	40.0	47.0	1880 Btuh		
7	1, Clear, Metal, 1.27	N -	30.0	47.0	1410 Btuh		
8	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh		
9	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh		
10	1, Clear, Metal, 1.27	NE	21.0	47.0	987 Btuh		
11	1, Clear, Metal, 1.27	E	63.0	47.0	2960 Btuh		
12	1, Clear, Metal, 1.27	SE	21.0	47.0	987 Btuh		
13	1, Clear, Metal, 1.27	E	40.0	47.0	1880 Btuh		
14	1, Clear, Metal, 1.27	E S	18.0	47.0	846 Btuh		
15	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh		
16	1, Clear, Metal, 1.27	S	4.0	47.0	188 Btuh		
	Window Total		502(sqft)		23589 Btuh		
Walls	Туре	R-Value	Area X	HTM=	Load		
ay <b>1</b>	Frame - Wood - Ext(0.08)	19.0	2248	2.9	6427 Btuh		
2	Frame - Wood - Adj(0.09)	13.0	430	3.3	1412 Btuh		
	Wall Total		2678		7839 Btuh		
Doors	Туре		Area X	HTM=	Load		
1	Insulated - Adjacent		20	12.9	259 Btuh		
	Door Total		20		259Btuh		
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load		
1	Vented Attic/D/Shin)	30.0	3061	1.2	3607 Btuh		
	Ceiling Total		3061		3607Btuh		
Floors	Туре	R-Value	Size X	HTM=	Load		
1	Slab On Grade	· 0	320.0 ft(p)	43.7	13971 Btuh		
	Floor Total		320		13971 Btuh		
	ų V	2	Zone Envelope S	ubtotal:	49266 Btuh		
Infiltration	Туре	ACH X	Zone Volume	CFM=			
	Natural	0.80	23688	315.8	12794 Btuh		
Ductioad	uctload Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)						
Zone #1		total	62059 Btuh				

## **Manual J Winter Calculations**

Residential Load - Component Details (continued)
uchs Project Title: Cod

Mark & Heather Buchs

Isaac Construction Inc. - Buchs Res.

Code Only **Professional Version** 

Climate: North

Lake City, FL 32024-

7/20/2006

WHOLE HOUSE TOTALS		
	Subtotal Sensible Ventilation Sensible Total Btuh Loss	62059 Btuh 0 Btuh 62059 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

## **System Sizing Calculations - Winter**

## Residential Load - Room by Room Component Details

Mark & Heather Buchs

Project Title:

Lake City, FL 32024-

Isaac Construction Inc. - Buchs Res.

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/20/2006

#### Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
* 1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh
2	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
3	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	W	80.0	47.0	3759 Btuh
5	1, Clear, Metal, 1.27	N	77.0	47.0	3618 Btuh
6	1, Clear, Metal, 1.27	S	40.0	47.0	1880 Btuh
7	1, Clear, Metal, 1.27	N	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
9	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh
10	1, Clear, Metal, 1.27	NE	21.0	47.0	987 Btuh
11	1, Clear, Metal, 1.27	E	63.0	47.0	2960 Btuh
12	1, Clear, Metal, 1.27	SE	21.0	47.0	987 Btuh
13	1, Clear, Metal, 1.27	E	40.0	47.0	1880 Btuh
14	1, Clear, Metal, 1.27	E	18.0	47.0	846 Btuh
15	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
16	1, Clear, Metal, 1.27	S	4.0	47.0	188 Btuh
	Window Total		502(sqft)		23589 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	2248	2.9	6427 Btuh
2	Frame - Wood - Adj(0.09)	13.0	430	3.3	1412 Btuh
	Wall Total		2678		7839 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		20	·	259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3061	1.2	3607 Btuh
	Ceiling Total		3061		3607Btuh
Floors	Туре	R-Value	Size X	HTM≕	Load
1	Slab On Grade	0	320.0 ft(p)	43.7	13971 Btuh
	Floor Total		320		13971 Btuh
		Z	one Envelope \$	Subtotal:	49266 Btuh
Infiltration	Туре	ACH X	Zone Volume	CFM=	
	Natural	0.80	23688	315.8	12794 Btuh
Ductload	Proposed leak free, R6.0, S	upply(Attic), R	eturn(Attic)	(DLM of 0.00)	0 Btuh
Zone #1		total	62059 Btuh		

### **Manual J Winter Calculations**

Residential Load - Component Details (continued)

Project Title: Cod

Mark & Heather Buchs

Lake City, FL 32024-

Isaac Construction Inc. - Buchs Res.

Code Only Professional Version

Climate: North

7/20/2006

WHOLE HOUSE TOTALS		
	Subtotal Sensible	62059 Btuh
	Ventilation Sensible Total Btuh Loss	0 Btuh 62059 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

## **System Sizing Calculations - Summer**

### Residential Load - Whole House Component Details

Mark & Heather Buchs

Project Title: Isaac Construction Inc. - Buchs Res.

Code Only **Professional Version** 

Climate: North

Lake City, FL 32024-

Summer Temperature Difference: 17.0 F

7/20/2006

#### **Component Loads for Whole House**

Reference City: Gainesville (Defaults)

	Type*		Over	hang	Win	dow Area	(sqft)	H	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Omt	Len	Hgt	Gross	Shaded I	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	37	94	4232	Btuh
2	1, Clear, 1.27, None,N,N	N	8.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
3	1, Clear, 1.27, None,N,N	N	20.5f	10ft.	20.0	0.0	20.0	37	37	749	Btuh
4	1, Clear, 1.27, None,N,N	W	20.5f	10ft.	80.0	80.0	0.0	37	94	2996	Btuh
5	1, Clear, 1.27, None,N,N	N	15.5f	10ft.	77.0	0.0	77.0	37	. 37	2884	Btuh
6	1, Clear, 1.27, None,N,N	S	4.5ft	10ft.	40.0	40.0	0.0	37	43	1498	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	30.0	0.0	30.0	37	37	1124	Btuh
8	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	16.0	0.0	16.0	37	37	599	Btuh
10	1, Clear, 1.27, None,N,N	NE	1.5ft	10ft.	21.0	0.0	21.0	37	72	1517	Btuh
11	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	63.0	0.0	63.0	37	94	5925	Btuh
12 13	1, Clear, 1.27, None,N,N	SE	1.5ft	10ft.	21.0	0.0	21.0	37	75	1576	Btuh
14	1, Clear, 1.27, None,N,N	E	7.5ft	13ft.	40.0	0.0	40.0	37	94	3762	Btuh
15	1, Clear, 1.27, None,N,N 1, Clear, 1.27, None,N,N	E	2.5ft	10ft. 10.0	18.0 15.0	0.0 13.3	18.0	37	94	1693	Btuh
16	1, Clear, 1.27, None,N,N	S S	1.5ft 1.5ft	10.0 10ft.	4.0	2.0	1.7 2.0	37 37	43 43	571 160	Btuh Btuh
10	Window Total	3	1.510	TOIL.			2.0	31	43		
M-II-			·		502 (					29735	Diun
Walls	Туре		R-Va	alue/U	-Value	Area(	sqft)		НТМ	Load	
1	Frame - Wood - Ext			19.0/	0.08	224	8.0		1.5	3370	Btuh
2	Frame - Wood - Adj			13.0/	0.09	430	0.0		1.5	649	Btuh
	Wall Total					267	8 (sqft)			4019	Btuh
Doors	Туре					Area	(sqft)		HTM	Load	
1	Insulated - Adjacent					20			9.8	196	Btuh
	Door Total						0 (sqft)				Btuh
Ceilings	Type/Color/Surface		R-Va	عبراد		Area(			нтм	Load	Dian
1	Vented Attic/DarkShingle			30.0		306	• •			5069	Divis
'				30.0					1.7		
Et.	Ceiling Total		5				1 (sqft)			5069	Btun
Floors	Туре		R-Va	alue		Siz			НТМ	Load	
1	Slab On Grade			0.0		32	0 (ft(p))		0.0	0	Btuh
	Floor Total					320.	0 (sqft)			0	Btuh
						Zo	ne Enve	elope Su	ıbtotal:	39019	Btuh
nfiltration	Туре		A	CH		Volume			CFM=	Load	
• • •	SensibleNatural			0.70		236			276.4	5143	Btuh
Internal		(	Occup			Btuh/oc		F	Appliance	Load	
gain				6		X 230	) +		2400	3780	Btuh
Duct load	Proposed leak free, R6	.0, Sup	ply(At	tic), R	eturn(A	Attic)		DGM	= 0.00	0.0	Btuh
							Sensib	le Zone	Load	47942	Btuh

## **Manual J Summer Calculations**

Residential Load - Component Details (continued)
uchs Project Title: Cod

Mark & Heather Buchs

Lake City, FL 32024-

Isaac Construction Inc. - Buchs Res.

Code Only **Professional Version** 

Climate: North

7/20/2006

#### WHOLE HOUSE TOTALS

		1	
	Sensible Envelope Load All Zones	47942	Btuh
	Sensible Duct Load	0	Btuh
- 12	Total Sensible Zone Loads	47942	Btuh
	Sensible ventilation	0	Btuh
9	Blower	0	Btuh
Whole House	Total sensible gain	47942	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	10100	Btuh
	Latent ventilation gain	0	Btuh
П	Latent duct gain	0	Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	11300	Btuh
	TOTAL GAIN	59242	Btuh

*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

## **System Sizing Calculations - Summer**

## Residential Load - Room by Room Component Details

Mark & Heather Buchs

Project Title:

Isaac Construction Inc. - Buchs Res.

Professional Version

Climate: North

Lake City, FL 32024-

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/20/2006

#### Component Loads for Zone #1: Main

	Type*		Over	hang	Win	dow Area	(sqft)	F	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross		Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	37	94	4232	Btuh
2	1, Clear, 1.27, None,N,N	N	8.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
3	1, Clear, 1.27, None,N,N	N	20.5f	10ft.	20.0	0.0	20.0	37	37	749	Btuh
4	1, Clear, 1.27, None,N,N	W	20.5f	10ft.	80.0	80.0	0.0	37	94	2996	Btuh
5	1, Clear, 1.27, None,N,N	N	15.5f	10ft.	77.0	0.0	77.0	37	37	2884	Btuh
6	1, Clear, 1.27, None,N,N	S	4.5ft	10ft.	40.0	40.0	0.0	37	43	1498	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	30.0	0.0	30.0	37	37	1124	Btuh
8	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	6.0	0.0	6.0	37	37	225	Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	16.0	0.0	16.0	37	37	599	Btuh
10	1, Clear, 1.27, None,N,N	NE	1.5ft	10ft.	21.0	0.0	21.0	37	72	1517	Btuh
11	1, Clear, 1.27, None,N,N	Ε	1.5ft	10ft.	63.0	0.0	63.0	37	94	5925	Btuh
12	1, Clear, 1.27, None,N,N	SE	1.5ft	10ft.	21.0	0.0	21.0	37	75	1576	Btuh
13	1, Clear, 1.27, None,N,N	E	7.5ft	13ft.	40.0	0.0	40.0	37	94	3762	Btuh
14	1, Clear, 1.27, None,N,N	E	2.5ft	10ft.	18.0	0.0	18.0	37	94	1693	Btuh
15	1, Clear, 1.27, None,N,N	S	1.5ft	10.0	15.0	13.3	1.7	37	43	571	Btuh
16	1, Clear, 1.27, None,N,N	S	1.5ft	10ft.	4.0	2.0	2.0	37	43	160	Btuh
	Window Total				502 (	saft)				29735	Btuh
Walls	Туре	R-Value/U-Value Area(sqft) HTM					Load				
1	Frame - Wood - Ext			19.0/		224			1.5	3370	Btuh
2	Frame - Wood - Adi			13.0/		430			1.5	649	
_	Wall Total			10.07	0.00		8 (sqft)		1.0	4019	
Doors	Туре					Area	<del></del>		нтм	Load	Dian
1	Insulated - Adjacent					20			9.8		Btuh
•	Door Total								9.0		
0-111							0 (sqft)				Btuh
Ceilings	Type/Color/Surface		R-Va	alue		Area(	(sqft)		HTM	Load	
1	Vented Attic/DarkShingle			30.0		306	1.0		1.7	5069	Btuh
	Ceiling Total					306	1 (sqft)			5069	Btuh
Floors	Туре		R-Va	alue		Siz			HTM	Load	
1	Slab On Grade			0.0		32	(ft(p))		0.0	0	Btuh
	Floor Total						0 (sqft)			Ô	Btuh
	- 1001 Total					<b>02</b> 0.	o (oqit)				- Cuii
						Zo	ne Enve	elope Su	ubtotal:	39019	Btuh
nfiltration	Туре		A	CH		Volume	e(cuft)		CFM=	Load	
	SensibleNatural			0.70		236			276.4	5143	Btuh
Internal			Occur	ants		Btuh/oc	cupant	-	Appliance	Load	
gain			P	6		X 23	•	•	2400	3780	Btuł
Duct load	Proposed leak free, R6.	0, Sup	ply(At				•	DGM	= 0.00	0.0	
		•					Sensib	le Zone	Load	47942	Btuh

## **Manual J Summer Calculations**

Residential Load - Component Details (continued)

Mark & Heather Buchs

Lake City, FL 32024-

Project Title:

Isaac Construction Inc. - Buchs Res.

Code Only **Professional Version** 

Climate: North

7/20/2006

#### WHOLE HOUSE TOTALS

		<u> </u>	1
	Sensible Envelope Load All Zones	47942	Btuh
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	47942	Btuh
	Sensible ventilation	0	Btuh
g ^p	Blower	0	Btuh
Whole House	Total sensible gain	47942	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	10100	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
2	Latent occupant gain (6 people @ 200 Btuh per person)	1200	Btuh
	Latent other gain	0	Btuh
	Latent total gain	11300	Btuh
	TOTAL GAIN	59242	Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Number of panes or glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

## **Residential Window Diversity**

### MidSummer

Mark & Heather Buchs

Lake City, FL 32024-

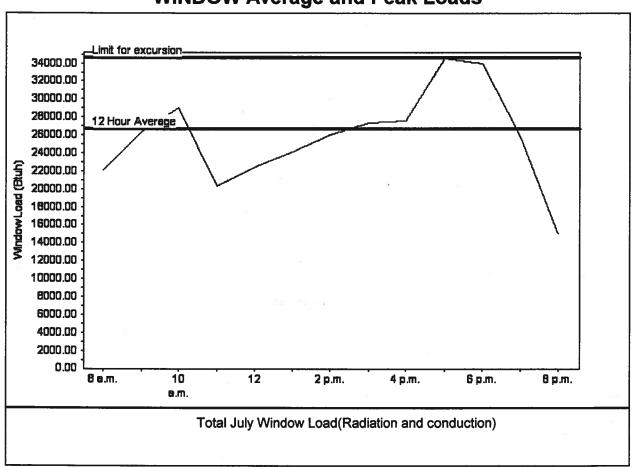
Project Title: Isaac Construction Inc. - Buchs Res.

Code Only Professional Version Climate: North

7/20/2006

Weather data for: Gainesville - Defa	aults		
Summer design temperature	92 F	Average window load for July	26626 Btu
Summer setpoint	75 F	Peak window load for July	34544 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	34614 Btu
Latitude	29 No	rth   Window excursion (July)	None

### **WINDOW Average and Peak Loads**



The midsummer window load for this house does not exceed the window load excursion limit.

This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:

DATE:



- Whi WEEgic

# **Columbia County Building Department Culvert Waiver**

Culvert Waiver No. 000001196

DATE: 03/20/2007 BUILDING PERMIT NO.	2490 2
APPLICANT MARK BUCHS	PHONE 752-2281
ADDRESS 2109 W US 90	LAKE CITY FL 32025
OWNER ISAAC HOLDINGS	PHONE 719-7143
ADDRESS 138 SW PHLOX GLEN	LAKE CITY FL 32024
CONTRACTOR ISAAC CONSTRUCTION	PHONE 719-7143
LOCATION OF PROPERTY 47S, TL ON WESTER DR., TL ON	KING ST., TR ON NIGHTSHADE, TL ON
PHLOX GLEN, ON LEFT OF CUL-DE-SAC	
PARCEL ID # 30-4S-17-08898-118  I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY CO COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH SIGNATURE:  A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC	
PUBLIC WORKS DEPARTMENT	T USE ONLY
I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATIO CULVERT WAIVER IS:	ON AND DETERMINED THAT THE
APPROVED	NOT APPROVED - NEEDS A CULVERT PERMIT

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

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

COMMENTS:-

Phone: 386-758-1008 Fax: 386-758-2160



### Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844 Florida Engineering Certificate of Authorization Number: 567 Florida Certificate of Product Approval # FL1999 Page 1 of 1 Document ID:1SZR487-Z0315103350

Truss Fabricator: Anderson Truss Company

Job Identification: 6-277--Isaac Construction Buchs -- , **

Truss Count: 94

Model Code: Florida Building Code 2004 Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Versions 7.24, 7.25.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Minimum Design Loads: Roof - 55.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

#### Notes:

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

Details: BRCLBSUB-CNBRGBLK-PIGBACKA-PIGBACKB-

Address: the seal date per section 61G15-31.003(5a) of the FAC Seal Date: 08/15/2006

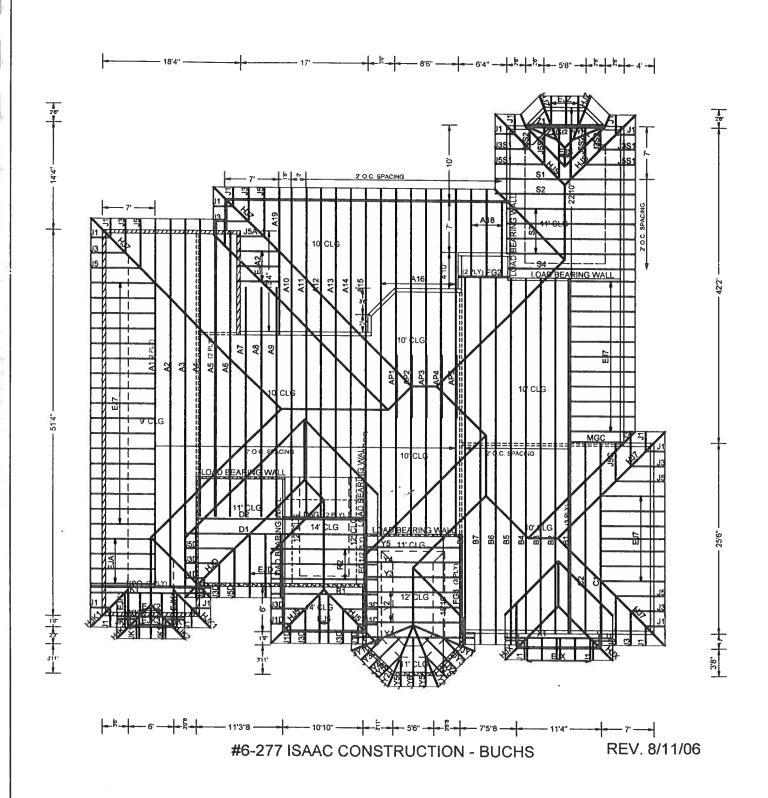
-Truss Design Engineer-James F. Collins Jr. Florida License Number: 52212 1950 Marley Drive Haines City, FL 33844

#	Ref Description	Drawing#	Date	# Ref Description	Drawing#	Dat
1	46513A1	06226034	08/14/06	39 46551EJA1	06226056	08/14
2	46514A2	06226036	08/14/06	40 46552EJA2	06226062	08/14
3	46515A3	06226037	08/14/06	41 46553EJD	06226069	08/14
4	46516A4	06226038	08/14/06	42 46554 EUK1	06226045	08/14
5	46517A5	06226079	08/14/06	43 46555EJK2	06226054	08/1
6	46518A6	06226052	08/14/06	44 46556EJK3	06226005	08/1
7	46519A7	06226039	08/14/06	45 46557-cEUS	06226074	08/14
8	46520 A8	06226040	08/14/06	46 46558 -EJX	06226027	08/1
9	46521A9	06226041	08/14/06	47 46559EUZ	06226030	08/1
10	46522A10	06226060	08/14/06	48 46560HJ5	06226083	08/14
11	46523A11	06226043	08/14/06	49 46561HJD	06226063	08/1
12	46524A12	06226044	08/14/06	50 46562J3D	06226066	08/1
13	46525A13	06226046	08/14/06	51 46563:-J10	06226067	08/1
14	46526A14	06226047	08/14/06	52 46564HJK1	06226024	08/1
5	46527A15	06226048	08/14/06	53 46565HJK2	06226076	08/1
6	46528A16	06226049	08/14/06	54 46566HJS	06226070	08/14
7	46529A18	06226080	08/14/06	55 46567HJX	06226025	08/14
8	46530A19	06226081	08/14/06	56 46568HJZ	06226029	08/1
9	46531B1	06226057	08/14/06	57 46569J5	06226019	08/1
20	46532 B2	06226007	08/14/06	58 4657033	06226020	08/14
1	4653383	06226008	08/14/06	59 46571J1	06226035	08/14
2	4653484	06226014	08/14/06	60 46572JY1	06226090	08/14
3	4653585	06226009	08/14/06	61 46573JY2	06226091	08/14
4	46536B6	06226010	08/14/06	62 46574JY3	06226003	08/14
5	4653787	06226011	08/14/06	63 46575JY4	06226004	08/14
6	4653888	06226012	08/14/06	64 46576JY5	06226092	08/14
7	46539C1	06226016	08/14/06	65 46577JY6	06226093	08/14
8	46540C2	06226017	08/14/06	66 46578J3S1	06226072	08/14
9	46541D1	06226057	08/14/06	67 46579J3S2	06226073	08/14
0	46542D2	06226059	08/14/06	68 46580J5A	06226068	08/14
1	46543D3G	06226058	08/14/06	69 46581J5C	06226022	08/14
2	46544FG1	06226061	08/14/06	70 46582J50	06226064	08/14
3	46545FG2	06226015	08/14/06	71 46583JK1	06226085	08/14
4	46546FG3	06226026	08/14/06	72 46584J5S1	06226071	08/14
5	4654722G	06226028	08/14/06	73 46585J5S2	06226042	08/14
6	46548HJ7	06226018	08/14/06	74 46586MGC	06226006	08/14
7	46549EJ7	06226021	08/14/06	75 46587K1	06226001	08/14
88	46550EJ5	06226084	08/14/06	76 46588K2G	06226013	08/14

#	Ref	Description	Drawing#	Date
77	46589-	-KK1	06226065	08/14/06
78	46590-	-AP1	06226055	08/14/06
79	46591-	-AP2	06226050	08/14/06
80	46592-	-AP3	06226051	08/14/06
81	46593-	-AP4	06226053	08/14/06
82	46594-	-R1	06226078	08/14/06
83	46595-	-R2	06226082	08/14/06
84	46596-	<b>5</b> 51	06226031	08/14/06
85	46597-	-S2	06226077	08/14/06
86,	46598	-S3	06226032	08/14/06
B7	46599-	<b>₹\$4</b>	06226033	08/14/06
88	46600-	rX1	06226023	08/14/06
89	46601-	- Y/1	06226002	08/14/06
90	46602-	/Y2	06226086	08/14/06
91	46603-	<b>ya</b>	06226087	08/14/06
92	46604-	-Y4	06226088	08/14/06
93	46605-	-Y5	06226089	08/14/06
94	46606-	-Z1	06226075	08/14/06

0608-34





110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Top chord 2x6 SP #1 Dense :TI, T5 2x4 SP #2 Bot chord 2x6 SP #1 Dense

Bot chord 2x6 SP #3 :W3, W13 2x6 SP #2:

:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.500'

:Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.500' #2 Dense:

In lieu of structural panels or rigid brace TC @ 24" OC, BC @ 120" OC. ceiling use purlins 5

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-7-9 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-7-9 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

COMPLETE TRUSSES REQUIRED

Nailing Schedule: ( Top Chord: 1 Row ( Bot Chord: 1 Row ( (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)
@12.00" o.c.
@12.00" o.c.
@12.00" o.c.
@ 4" o.c.

Webs : 1 Row

Use equal spacing between rows and in each row to avoid splitting. stagger nails

Calculated horizontal deflection 0.15" due to dead load. is 0.11" due to live load and

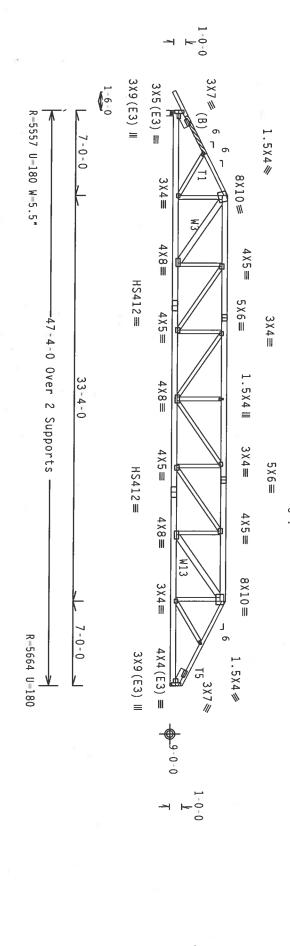
#1 hip supports 7-0-0 jacks with no webs

Deflection meets L/360 live and L/240 total load. factor for dead load is  $1.50.\,$ Creep increase

Calculated vertical deflection is 0.54* 0.73* due to dead load at X = 23-8-0. due Ç live load

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

(B) (1) (1) 2x4X3-6-0 SP #2 Dense Top chord scab centered 2-1-4 from 1 end. Attach to one face of chord with (2) rows of 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 2-1-4 from left



Design Crit: TPI -2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

7.24.1230

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

Scale

=.125"/Ft.

PSF

R487-- 46513

DATE REF

08/14/06

PLT TYP.

20

Gauge HS, Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BCSI 1-03 (BUILDING COMPORENT SAFETY IN GROWALION), PUBLISHED BY FPI (TRUSS PLAFE HESTITUTE, 583
D'ONDFRIO DR. SUITE ZOO, MADISON, HI 53719) AND WITCA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LH.
MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED.
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL MAYE A PROPERLY ATTACHED
RIGID CEILING.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FALLURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLURE TO BUILD THE TRUSS IN COMPONENCE WITH THE!

OF FABRICATING, HANDLING, SHIPPING, INSTALLING SERGING FOR BRACING OF FRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND FP!

CONNECTOR PALES ARE ANDE OF 20/18/16/06, (M.H.Y.S.Y.) ASTH AGS GRADE A0/50 (M.K.M.STECL) AND AUX. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS DITERMISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 180A Z.

ANY IMPRECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC.).

A SCAL ON THIS PRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. AND USE OF THIS COMPONENT FOR OF TP11=2002 SEC.3. A SEAL ON THIS DASIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

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

13844 bn # 567

ALPINE



PSF

SEQN-

119756

HC-ENG

TCE / ADR

DRW HCUSR487 06226034

JREF-

1SZR487

Z03

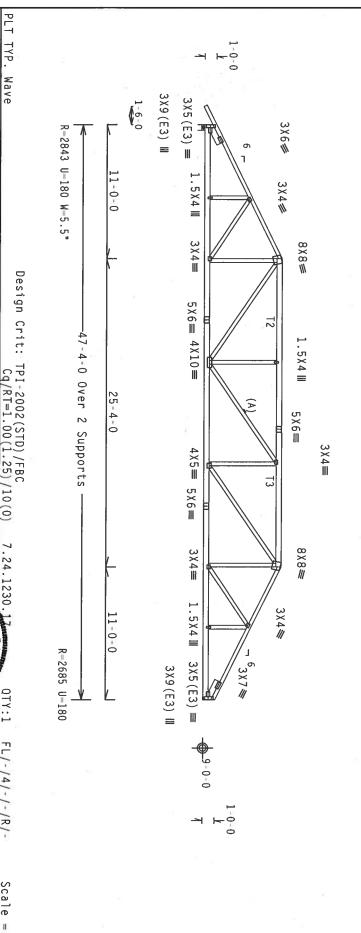
Bot Ĭ V LIEU OF CHORD TC BC chord 2x4 SP #2 Dense :T2, T3 2 chord 2x6 SP #1 Dense Webs 2x4 SP #3 Slider 2x6 SP #2: BLOCK LENGTH Slider 2x6 SP #2: BLOCK LENGTH STRUCTURAL PANELS OR RIGID
SPACING(IN OC)
24
120 T3 2x6 11 /1 START (FT)
-0.00 SP #1 Dense: E PURLINS: END(FT) 47.33 47.33

110 mph wind, 15.00 ft mean hgt, ASCE 7–02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



**WARNING** IRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDFRIO BR. SUITE ZOD, HADISON, HI 53719) AND NICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LIM, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PAMELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

PLT TYP.

Wave

**IMPORTANT**FORMISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DELYLATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE RUSS IN COMPONANCE WITH IN THIS.

BUSION COMPONES WITH APPLICABLE PROVISIONS OF ROS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI.

CONNECTOR PLATES ARE MADE OF 70/18/19/16/26 (AV.14/52) ASTH ASS DEADE 40/50 (M. K/H.5) 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 FOLLOWER BY (1) SHALL BE PER ANKEL X3 OF FPIT-2002 SEC. 3.

AS SEAL ON THIS DESIGN SOCKETANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

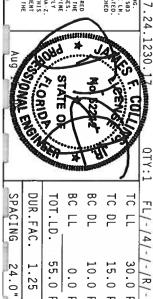
THE SUITABLITY AND DUSE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ALPINE

Haines City, I

cy Drive cy, FL 33844 cy, FL 33844



SPACING 24.0" JREF 1SZR487_Z03	DUR.FAC. 1.25	TOT.LD. 55.0 PSF SEQN- 11978	BC LL 0.0 PSF HC-ENG TCE/ADR	BC DL 10.0 PSF DRW HCUSR487 06226037	TC DL 15.0 PSF DATE 08/14	TC LL 30.0 PSF REF R487 4
1SZR487_Z03		119788	TCE/ADR	SR487 06226037	08/14/06	R487 46515

Scale

=.125"/ft.

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense :B2, B3 2x6 Webs 2x4 SP #3 :W3 2x6 SP #2: :Lt Slider 2x6 SP #2: BLOCK LENGTH = Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ (A) Continuous lateral bracing equally spaced on member Alpine Engineered Products, Inc. 1-0-0 ò TYP. ALPINE Wave 33844 on # 567 1-6-0  $12 \times 14 (E4) =$ 3X4/ -893 U=180 W=5.5" **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILINE TO BUILD THE TRUSS IN CONFORMANCE WITH 1PS!.

OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 1005 (MATIONAL DESIGN SPEC, 89 AFERA) AND TP!.

CONNECTOR PALATES ARE MADE OF ZO/183/160A, (M.H.Y.S.Y.) ASTH MASS GRADE 40/50 (M. K/H.S.) GALV. STEEL. APPLY PALATES TO EACH FACE OF TRUSS AND. JUNESS OTHERNISE, LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A-2, ANY LUSPECTION OF PALATES TOLOUGHED BY (1) SHALL BE PER ANNEX AS OF PILI-2002 SEC.3.

ANY LUSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF PILI-2002 SEC.3.

ANY LUSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF PILI-2002 SEC.3.

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ANY LUSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF PILI-2002 SEC.3.

ANY LUSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF PILI-2002 SEC.3.

ANY LUSPECTION OF PLATES FOR THE TRUSS COMPONENT **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, MANDLING, SUPPPING, INSTALLING AND BRACING.

REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TBUSS PALLING AND BRACING.)

0 "OMOFRIO BR. SUITE 200. MADISON, HI 53719) AND MICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE UM.

140150N, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE THOICATED.

100 CHORD SHALL HAME PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAME A PROPERLY ATTACHED RIGID CEILING. 3X4# 1.5X4 III 13 - 0 - 013-4-0 13-7-12 SP 1.947 3×5/ Design Crit: 3 X 4 (R) Ⅲ 5X5≡ TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 6X6**≡** R=1825 U=180 W=3.5" -37=11=8 Over 3 1-0-0  $\Xi$ 82 1.5X4 III 4X8≡ Supports IN LIEU OF CHORD TC BC BC BC BC Right end vertical not exposed to wind pressure. 110 mph wind, 15.00 ft mean hgt, located within 4.50 ft from roof DL-7.5 psf, wind BC DL-5.0 psf. 5×6≡ 19-4-0 3X5≡ STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

24

-1.57

37.96

120

120

13.10

13.65

85

13.65

32.52

37.96 3 X 4 ≡ 4 X 8≡ SONAL ENGINES ATE OF R=1746 U=180 W=3.5 1.5X4 III 1.5X4 III 5 X 6≡ ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC BC LL BC DL TC DL DUR.FAC. SPACING TOT.LD. TC LL FL/-/4/-/-/R/-5×5≡ -5-0-0-5-3-8 1-0-0 3-7-8 55.0 15.0 1.25 30.0 24.0" 10.0 PSF 0.0 3 X 4 ≡ PSF PSF PSF PSF .5X4 III JREF -SEQN-DATE REF HC-ENG DRW HCUSR487 06226038 19-0-0 10-0-0 _11-0-0 Scale R487-- 46516 1SZR487_Z03 =.1875"/Ft. TCE/ADR 08/14/06 119801

9 IN LIEU OF CHORD TC BC BC BC BC BC PLT 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Top chord 2x8 SP SS :T1 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense :B2 2x10 SP #1 Dense:
:B3 2x6 SP #2:
Webs 2x4 SP #3 :W3 2x8 SP SS: :W4 2x6 SP #2:
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.994' (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Deflection meets L/360 live and L/240 total load. factor for dead load is 1.50. Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
2 "Ceate of A 267 0 TYP. ALPINE STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

0.00

37

120

120

13.03

75

13.65

32.52

37 Wave  $12X14(E4) \equiv$ R-1143 U-180 W-5.5" 3×4 € **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC., SMALL NOT BE RESPONSIBLE FOR ANY DEVIALITOR FRONT HIS DESIGN: ANY FAILURE TO BUILD THE TRUSSES IN CONFORMACE WITH 1P1: OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OT TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (MATIONAL DESIGN SPEC, BY ARBA) AND TP1: ALPINE CONNECTOR PLATES, ARE MADE OF 20/18/166A (H. H/S/F), ASTM A653 GRANDE A0/60 (H. K/H.S) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND.

PLATES TO EACH FACE OF TRUSS AND, UNITESS OTHERWISE LOCATED ON THIS DESIGN FOSTION PER RAMAINGS 160A-Z ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS RIGID CEILING. σ 13-4-0 13-7-12 ٦ 1.5×4 Ⅲ 3×4 // 17-0-0 6X6≢ Design Crit: Creep increase 4 X 4 = 2×4 Ⅲ 3×4≡ END (FT) 37.96 13.33 13.65 32.67 37.96 R=2491 U=180 W=3.5" TPI-2002 (STD) /FBC 37-11-8 Over 3 Cq/RT=1.00(1.25)/10(0) 5X6(R) ₩ 82 Supports 16-5-8 19-4-0 Nailing Schedule:
Top Chord: 1 Row 0
Bot Chord: 1 Row 0
Webs: 1 Row 0 .3-4-0 BC attic room floor 13-4-0 to 29-9-8. Collar-tie braced with continuous lateral bracing at rigid ceiling. Right end vertical not exposed to wind pressure 2 member. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails (A) SP n each row to avoid splitting COMPLETE #3 or better scab brace. Same size & 80% length of web . Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 1.5X4(**) CORNOR STATE OF (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails) @12.00" o.c. @12.00" o.c. 7X6(R) Ⅲ TRUSSES loading: LL = 6X8# R=2990 U=180 W=3.5" 1.5X4 III 5 X 6 ≡ Munimum Market M 5X5(R) //  $\widehat{\mathbb{Z}}$ REQUIRED -5-0-0-40.00 psf; DL 5-3-8 BC LL BC DL TC DL TC LL ВЗ DUR.FAC TOT.LD. FL/-/4/-/-/R/-1.5X4 3 X 4 ≤ 55.0 10.0 15.0 PSF 30.0 PSF 1.25 0.0 # 10.00 psf; from PSF PSF PSF 24" 11-0-0 19-0-0 _10-0-0 0C. DATE REF SEQN-HC-ENG DRW HCUSR487 06226052 Scale = 9 00 R487--TCE / ADR 08/14/06 119828 .1875"/Ft 46518

SPACING

24.0"

JREF -

1SZR487

Z03

Top chord 2x8 SP SS
Bot chord 2x10 SP #1 Dense :B3
:B4 2x6 SP #2:
Webs 2x4 SP #3 :W7 2x6 SP #2: :W9 2x8 SP SS 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.18" due to live load and 0.28" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL 6-3-8 to 22-3-8. ŭ 10.00 psf; from

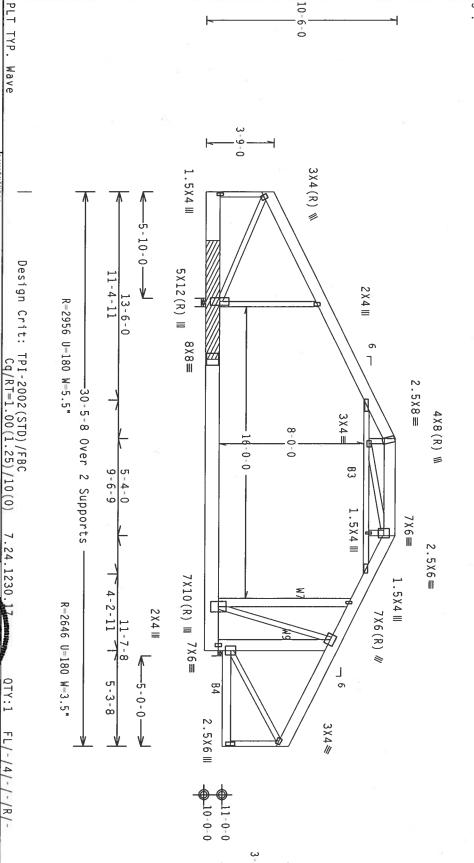
(1) 2x10x6-6-0 SP #1 Dense Bottom chord scab left end. Attach to one face of chord with (5 12d_Box_or_Gun_(0.128"x3.25",_min.) nails a c 3". e of chord with (5) rows of ",_min.)_nails @ 6" O.C., staggered centered 5-11-0 from

> 110 mph wind, 17.13 ft mean hgt, located within 4.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

End verticals not exposed to wind pressure

Collar-tie braced with continuous lateral bracing rigid ceiling. a t 24"

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\cdot$ 



**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING. REFER TO BEST 10 3 (BUILDING CORPORENT SAFETY INFORMATION). PUBLISHED BY FPJ (TRUSS PLATE INSTITUTE. 583 O'ONDERIO BA. SUITE 200. HADISON. WI 53719) AND WICA (MOOD TRUSS COUNCIL OF ANERLA, 6300 ENTERPRISE IN, HADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

PLT

TYP.

Wave

**IMPORTANT**GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALURE TO BRILD THE PRODUCTS, INC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FALURE TO BRILD THE PROSESS IN CONFORMACE WITH THE THE OF FARRICATION, HANDLING, SHIPPING, INSTALLING A BRACCHING OF TRENSESS IN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (MAITONAL DESIGN SPEC, BY AFRA) AND TPI ALVING COMMECTOR PLATES ARE MADE OF ZO/187/166A (M.H./S/N, ASTH AGS] GRADE 40/50 (M.K./H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR BRAKHINGS 166A-Z ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX AS OF TRUSS AND TPI TORTS COMPONERY. DRAWING INDICATES ACCEPTANCE OF PROF DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC.

Alpine Engineered Products, Inc.

ALPINE

Haines City, FL

. 33844 3n # 567

BC LL BC DL 는 기 TC DL DUR.FAC. SPACING TOT.LD. FL/-/4/-/-/R/-55.0 30.0 24.0" 1.25 15.0 PSF 0.0 10.0 PSF PSF PSF PSF

JREF -

1SZR487

Z03

SEQN-

HC-ENG

TCE / ADR 119881

DRW HCUSR487 06226040

DATE REF

08/14/06

Scale

=.1875"/Ft.

R487-- 46520

pp chord 2x8 SP SS
pt chord 2x10 SP #1 Dense :B3 2:
34 2x6 SP #2:
Webs 2x4 SP #3 :W6 2x6 SP #:
48 2x4 SP #2 Dense: 2×4 SP #2 Dense:

... 8

Calculated horizontal deflection is 0.17" 0.28" due to dead load. due to live load and

BC attic room floor loading: LL = 6-3-8 to 22-3-8. 40.00 psf; DL 11 10.00 psf; from

(1) 2x10X9-6-0 SP #1 Dense Bottom chord scab centered 4-5-0 from left end. Attach to one face of chord with (5) rows of 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 3".

110 mph wind, 17.63 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure

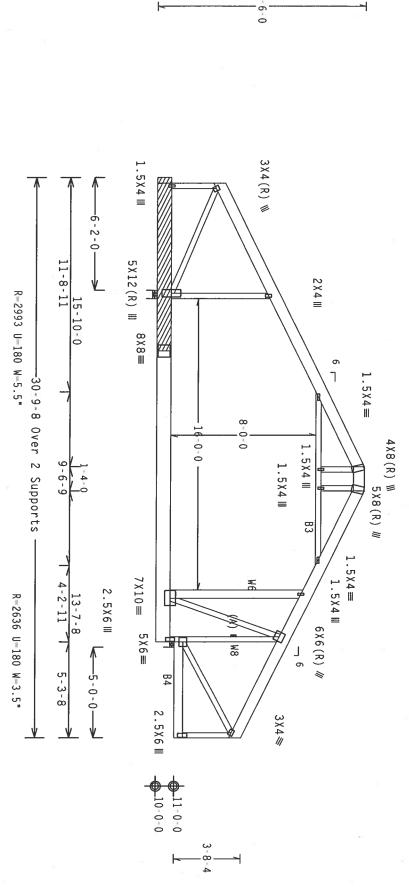
(A) Continuous lateral bracing equally spaced on member.

Collar-tie braced with continuous lateral bracing at 24" rigid ceiling.

0C.

9

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SUPPRIOR, INSTALLING AND BRACING, REFER TO BEST 10-03 (BUILDING COMPONENT DAR. SAFETY MYGHANTION), PUBLISHED BY IP (TRUSS PLATE INSTITUTE, 583 0-0000 PRO BRACING, SADOR ENTERPRISE LIM, SADOR SURFREPRISE LIM, MADISON, MI 53719) AND MICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LIM, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

TYP.

Wave

Design Crit:

TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

7.24.1230

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

Scale

=.1875"/Ft.

**IMPORTANT**PURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN: ANY FALURE TO BUILD THE
TRUSS IN CONFERNANCE WITH TP: OR FARRICATING, HANDING, SHIPPING, INSTALLING & BRACKING OF TRUSSEN
DESIGN CONFERNS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI.

CONNECTOR PLATES ARE MODE TO 20/18/166A (M.H/S/Y, ASTM AGS) GRADE 40/50 (M.K/H.S) GAV. STELL.

APPL TRUSS OF AND THE STELLOW OF THE S DESIGN SHOWN. THE SUITABILITY BUILDING DESIGNER PER ANSI/TPI 1

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

ALPINE

BUILDING IS THE RESPONSIBILITY OF THE

RIOF DUR.FAC. BC DL TC LL SPACING 36 רר .0T.LD. 55.0 15.0 30.0 1.25 24.0" 10.0 PSF 0.0 PSF PSF PSF PSF DATE REF JREF -SEQN-HC-ENG DRW HCUSR487 06226041 R487-- 46521 1SZR487 TCE / ADR 119886 08/14/06

Z03

B, wind TC

Bot chord 2x8 SP SS :T1 2x4 SP #2 Dense: chord 2x10 SP #1 Dense :B3, B5 2x4 SP Webs 2x4 SP #3 :W5 2x4 SP #2 Dense: Dense:

SPECIAL LOADS

From From From From From From (LUMBER DUR.FAC. 94 PLF at 16 PLF at 1.25 1.63 18.13 23.23 32.19 32.77 34.42 94 116 116 138 138 94 PLF 116 PLF 116 PLF 138 PLF 116 PLF 94 PLF 4 PLF DUR.FAC =1.25)
18.13
23.23
23.29
32.19
32.77
34.42
42.29
0.00
17.83
34.13

From From 57 96

From

110 mph wind, 16.01 ft mean hgt, located within 6.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED edge, CAT II, EXP

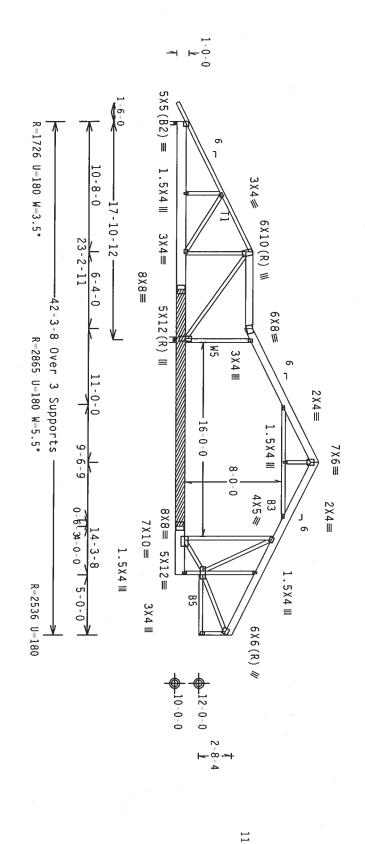
Right end vertical not exposed to wind pressure

Calculated horizontal deflection is 0.09" due to live 0.17" due to dead load. load and

rigid Collar-tie braced with continuous lateral bracing at 24" OC. ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

(1) 2x10X19-6-0 SP #1 Dense Bottom chord scab centered 23-6-8 from left end. Attach to one face of chord with (5) rows of 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 3".



10-0

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

7.24.1230

Scale

TYP.

Wave

**MARN. 196** IRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BEST 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'OMOFRIO DR. SUITE 200, MADISON, WI 53719) AND MICA (MODO TRUSS COUNCIL DO MARICA, 6300 ENTERPRISE IN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A 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; MAY FALURE TO BUILD THE TRUSS IN COMPORMANCE WITH 1PT:

OF ABBRICANTIG, HANDLING, SHIPPING, INSTALLING BRACING OF RUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ROS (MATIONAL DESIGN SECC. BY AFBRA) AND TPT.

CONNECTION PARES ARE AND OF 2011BAJORA (M. H.5/Y.) ASTH ASS GRADE 40/50 (M. K/H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNICES OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANT INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX, AS OF PD11-2002 SEC. 3. SEAL ON THIS DRAWING 1801A-15. ASSEAL ON THE 1801

DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc. 1950 Marley Drive

ALPINE

Haines City, FL

33844 n # 567

STATE OF CORIOR 7 FL/-/4/-/-/R/-

	THE PROPERTY OF					
SPACING SEE ABOVE	DUR.FAC.	TOT.LD.	BC LT	BC DL	TC DL	TC: LL
EF ABOVE	1.25	55.0 PSF	0.0 PSF	10.0 PSF	15.0 PSF	30.0 PSF
JREF- 1SZR487 Z03		SEQN- 119924	HC-ENG TCE/ADR	DRW HCUSR487 06226043	DATE 08/14/06	REF R487 46523

A12 )

0

Top chord 2x8 SP SS :I1 2x4 SP #2 Dense: :T2 2x6 SP #2: :T3 2x10 SP #1 Dense: Bot chord 2x10 SP #1 Dense :B3, B5 2x4 SP Webs 2x4 SP #3

#2 Dense

Collar-tie braced with continuous lateral bracing at 24" rigid ceiling.

9

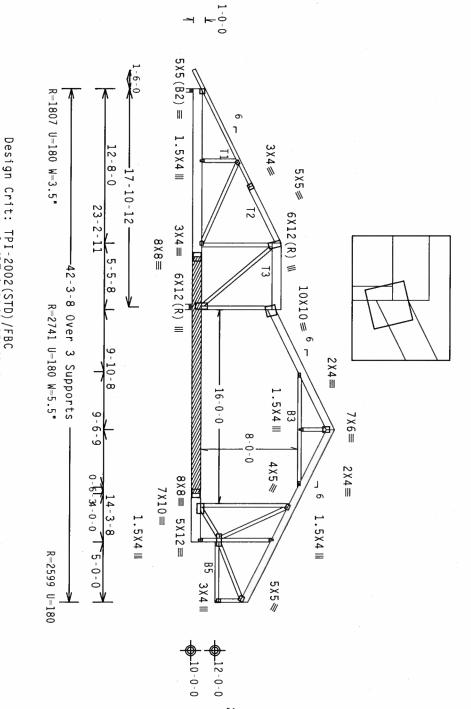
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{cm}$ 

110 mph wind, 16.01 ft mean hgt, located within 6.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

Right end vertical not exposed to wind pressure

BC attic room floor loading: LL = 40.00 psf; DL = 18-1-8 to 34-1-8. 10.00 psf; from

2x10X19-6-0 SP #1 Dense Bottom chord scab centered 23-6-8 from left end. Attach to one face of chord with (5) rows of 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered



11-10-0

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BESI I D3 (BUILDING COMPONENT SAFFIY INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 583 D'OMOFRIO DR. SUITE ZOD, MADISON, HI 53718) AND MICA (MODD BRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LH. MADISON, HI 53718) FOR SAFEIY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERNISE INDICATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

Scale

=.125"/Ft.

08/14/06

PLT TYP.

Wave

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

APPIRE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION ERON THIS DESIGN: ANY FALLURE TO BUILD THE TRUSS. IN CONFORMANCE WITH PIP.

OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AREA) AND TPI.

CONNECTION PLATES ARE MADE OF Z0/18/16GA (M.H.S/S) ASTA MASS GRADE 40/50 (M.K.H.S.) GAUL, SIEEL, APPLY

PLATES TO EACH FACE OF TRUSS. AND, UNLESS OTHERNISE LOCATED ON THIS OESIGN, POSITION PER DRAWINGS 150A Z.

ANY INSPECTION OF PLATES POLLOWED BY (1) SHALL BE PER ANNEX A 30 FTPI1-2002 SEC.3.

A SEAL ON THIS

DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINFERING DECONNERS. DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. SOLELY FOR THE TRUSS COMPONENT

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

ALPINE

CORIOR BC LL BC DL TC DL TC LL SPACING DUR.FAC. TOT.LD. 55.0 10.0 PSF 15.0 PSF 30.0 24.0" 1.25 0.0 PSF PSF PSF DATE REF JREF -SEQN-HC-ENG DRW HCUSR487 06226044 R487-- 46524

TCE / ADR 119945

1SZR487

Z03

Top chord 2x8 SP SS :T1 2x4 SP #2 Dense: :T2 2x6 SP #2: Bot chord 2x10 SP #1 Dense :B3, B5 2x4 SP #2 Dense: webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

#2 Dense:

 $\Xi$ Continuous lateral bracing equally spaced on member

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 18-1-8 to 34-1-8.

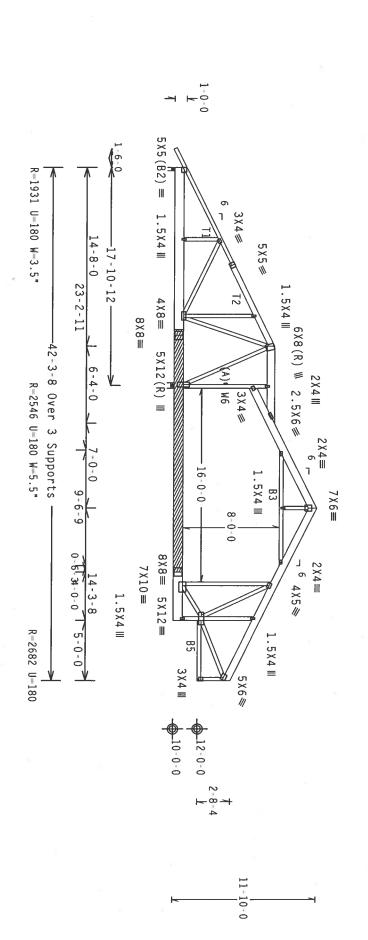
(1)  $2\times10\times20^{-0}$ -0 SP #1 Dense Bottom chord scab centered  $23^{-3}$ -8 from left end. Attach to one face of chord with (5) rows of  $12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 3".$ staggered

> 110 mph wind, 16.01 ft mean hgt, located within 6.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

Right end vertical not exposed to wind pressure

rigid Collar tie braced with continuous lateral bracing ceiling. at 00. 9

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 583
D'ONOFRIO BA. SUITE 200, HADISON, HI 53719) AND HICA (MODO FRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LM, HADISON, HI 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 STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED REGED CEILING.

Design Crit:

TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

30.0

PSF

REF

R487 -- 46525

Scale = .125"/Ft.

PLT TYP.

Wave

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALLINE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLINE TO BUILD THE ROUSES IN COMPONENCE WITH 1PD:

OF ABRICALTING, HANDLING, SHIPPING, INSTALLING & BRACING OF BUSISES, DESIGN COMPONEN WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY ASSA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/186A, (M.H.SY.) ASIM MASS GRADE 40/50 (M.K.H.S) GAU. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 150A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER AS OF TPIT-2002 SEC. 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER AS OF TPIT-2002 SEC. 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER AS OF TPIT-2002 SEC. 2.

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ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER AS OF TPIT-2002 SEC. 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER AS OF TPIT-2002 SEC. 2.

ANY INSPECTION OF PLATES FOR THE TRUSS COMPONENT OF THE TRUSS COM BUILDING DESIGNER PER

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
"cate of A n # 567

ALPINE

CORIOT ATE O BC LL BC DL DUR.FAC. SPACING TOT.LD.

TC DL 55.0 10.0 15.0 24.0" 1.25 0.0 PSF PSF PSF PSF JREF -DATE SEQN-HC-ENG DRW HCUSR487 06226046 1SZR487 Z03 TCE / ADR 119965 08/14/06

Top chord 2x8 SP SS :T1 2x4 SP #2 Dense: :T2 2x6 SP #2: Bot chord 2x10 SP #1 Dense :B3, B5 2x4 SP Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

Dense:

Calculated horizontal deflection is 0.17" due to live load and 0.22" due to dead load.

Collar-tie braced with continuous lateral bracing at 24" rigid ceiling. OC.

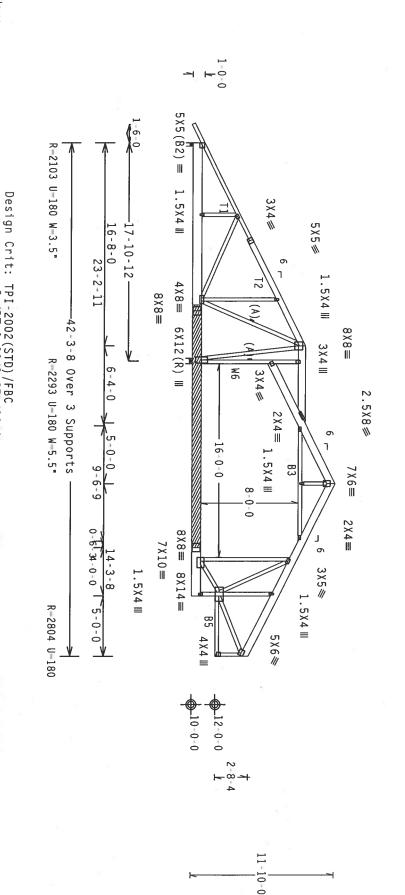
9

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\cdot$ 

110 mph wind, 16.01 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

- (A) Continuous lateral bracing equally spaced on member
- BC attic room floor loading: LL = 40.00 psf; DL = 18-1-8 to 34-1-8. 10.00 psf; from
- (1) 2x10x20-0-0 SP #1 Dense Bottom chord scab centered 23-3-8 from left end. Attach to one face of chord with (5) rows of 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 3".



**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO 8651 1-05 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FEI (TRUSS PLATE INSTITUTE, 583 D'OMORFIO BR., SUITE 200, ANDISON, HI 53719) AND TOTA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERRESE LM, MADISON, HI 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. Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FAILURE TO BUILD IN FRONCETS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD IN FRONCETS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIAL, HANDLING, SHPPING, INSTALLING & BRACING OF BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ANDS (MATIONAL DESIGN SPEC, BY ACEAD), AND TP:

CONNECTOR PLATES ARE HADE OF 20/18/166A (M.H.YSY), ASTH A653 GRADE 40/50 (M. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWNOS 166A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF FPI1-2002 SEC.3.

AS SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SOLELY FOR THE TRUSS COMPONENT

Alpine Engineered Products, Inc.

ALPINE

Haines City, FL

33844 on#567

BC LL BC DL TC DL DUR.FAC. TOT.LD. SPACING 55.0 15.0 30.0 24.0" 1.25 10.0 PSF 0.0 PSF PSF PSF PSF SEQN-REF DATE HC-ENG DRW HCUSR487 06226047 JREF-R487-- 46526

TCE / ADR

119982

1SZR487_Z03

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

Scale

=.125"/Ft.

08/14/06

Bot Note: All Plates Are 1.5X4 Except As Shown. Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 "cate of n # 567 PLT TYP. Z 8 LIEU OF Continuous lateral bracing equally spaced on member. chord 2x4 SP #2 Dense :T2 2x6 SP #2: :T5 2x8 SP chord 2x10 SP #1 Dense :B3, B5 2x4 SP #2 Dense: Webs 2x4 SP #3 CHORD ALPINE Wave STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

END(FT)

0.00

24

0.10

0.13 .0c. .cy Drive .FL 33844 .n # 567 1-0-0 722555555556 **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE FOR MAY DEVIATION FROM THIS DESIGN:

ANY FAILURE FOR MAY DEVIATION FROM THIS DESIGN:

RUSS IN CONFORMACE WITH IP FI:

DESIGN CONFORMS WITH APPLICABLE FORVISIONS OF MDS (MATIONAL DESIGNS SPEC. BY AFAPA) AND TP!.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.M.Y.S.Y.) ASTIM ASS J GRADE 40/50 (M. X/M.S.) GALV. STEEL.

APPLY

PLATES TO EACH FACE OF TRUSS AND. UNILESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DRAWINGS 160A Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEW AS OF FPII—2002 SEC. 3.

AS SEAL ON THIS

DESIGN SHOWN.

THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TPI I SEC. 2. **MARNING** HOUSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFOR TO BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 583
D'ONDÉRIO DR. SUITÉ ZOO, MADISON, HÍ 53719) AND NICA (MODO TRUSS COUNCIL OF MERICA, 5000 ENTERPAISE LM,
MADISON, HÍ 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, DHIESS OTHERNISE INDICATED.
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING. 5X5 (B2) **=** R=1594 U-180 W=3.5" 0.10 0.00 17.98 17.83 17.83 24.71 33.29 32.62 37.15 Design Crit: 3×4 € 5×5/ 17-10-12 18-1-8 .8-8-0 42.29 17.83 24.71 33.29 32.62 33.29 37.29 42.29 TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 3X4**≡** 8X8**≡** -42-3-8 Over 3 Supports 5 X 1 2 (R)  $(A)^{(A)}$ 3 X 4 ≡ R-2590 U-180 W-5.5" 6X8≡ ω o 5X6≡ 83 4 X 5 ≡ 110 mph wind, 16.01 located within 6.50 DL-7.5 psf, wind BC BC attic room floor loading: LL = 18-1-8 to 34-1-8. rigid ceiling. Collar-tie braced with continuous lateral bracing Right end vertical not exposed to wind pressure Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. 16 - 0 - 07 X 6≡ 4×4= 6X1-2(R) III 8X8 ■ WONAL ENGIN CORIOR 1 0-0-16 J σ R=598 PLF U=36 PLF W=5-0-0 .4-3-8 ft mean hgt, ASCE 7-02, CLOSED bldg, not ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf. 5×6// 7 X 8 ≡ unnissum 3×4/ 40.00 psf; DL BC DL DUR.FAC. BC LL TC DL TC LL TOT.LD. FL/-/4/-/-/R/-12-0-0 10-0-0 55.0 15.0 30.0 1.25 0.0 10.0 PSF 10.00 psf; from 9 PSF PSF PSF PSF 24" 0C. SEQN-DR W DATE REF HC-ENG Scale 9 HCUSR487 06226048 R487-- 46527 =.125"/Ft. TCE / ADR 119998 08/14/06 10-0

Aug

SPACING

24.0"

JREF -

1SZR487_Z03

Match Truss

:83 2x4 SP #2 Dense: Bot chord 2x10 SP SS :B1 2x8 SP SS: Top chord 2x6 SP # :T4, T5 2x8 SP SS: :Rt Bearing Leg 2x8 SP #1 Dense: :Lt Slider 2x6 SP #2: BLOCK LENGTH = chord 2x6 SP #1 Dense :T1 2x4 SP #2 Dense: Webs 2x4 SP #3 :W5, W15, W16 2x4 SP #2 Dense: 1.916' Bearing block to be same size and species as bottom chord. Refer to drawing CNBRGBLK1103 for additional information. Bearing blocks: Nail type: 12d_Box_or_Gun_(0.128"x3.25"._min.)_nails BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE 0.000' 12"

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

due to dead load Calculated horizontal deflection is 0.23" due to live load and 0.37"

RS1 (1) 2x4X8-0-0 SP #2 Dense Top chord scab centered 4-4-5 from left 12d_Box_or_Gun_(0.128"x3.25",_min.)_nails @ 6" 0.C., staggered 3" end. Attach to one face of chord with (2) rows of

RS2 (1) 2x10x18-6-0 SP SS Bottom chord scab centered 26-9-0 from left 

THIS TRUSS HAS BEEN DESIGNED TO BE SUPPORTED AT LOCATIONS SHOWN THIS TRUSS HAS NOT BEEN DESIGNED FOR ANY INTERIOR BEARING(S).

factor for Deflection meets L/360 live and L/240 total load. Creep increase dead load is 1.50.

6X8≡

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 18-1-8 to 34-1-8.

Collar-tie braced with continuous lateral bracing at 24" OC. or member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

(A) SP #3 or better scab brace. Same size & 80% length of web

rigid

celling.

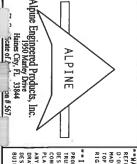
wind BC DL=5.0 psf.

110 mph wind, 15.76 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf,

Calculated vertical deflection is 0.51" due to live load and 0.83" due to dead load at  $X=17\cdot 10\cdot 0$ .

1-0-0 8X10(E1) =160 3X6# R=3608 U=180 W=3.5' RS1 T1 3×4 € 1.5X4 Ⅲ 5X5# 18-1-8 20-8-0 B₁ 3X4 ≤ 6 3 X 4 ≡ HS612= 2 4X12(R) Ⅲ 44-9-8 Over 2 Supports 3X4 =5X6# ₹5 5 X 4 ≡ φ 1.5X4 Ⅲ 4 X 8 ≡ 14-7-13 RS2 -16-0-0 1.5X4 III 7X8(R) # 6X12(R) III 4 X 5 ≡ 4 ယ 3-2-11 , ₆2.5X8 Ⅲ H1314 =5X8≡ 6X6₩ 8-5-8 <u>Amn</u> 6X6₩ R=3845 U=180 W=4" ₩16 3X9 III  $3 \times 9 (**) =$ 8X12 //

11-0-0



PLT TYP.

20 Gauge HS, Wave

Design Crit:

TPI - 2002 (STD) /FBC

"***MARNING** TRUSES REQUIRE EXTREME CARE IN FABRICATION, AMADIENDING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST 10-03 (BUILDING COMPORNE SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 583
D'ANDERIO DR., SUITE ZOO, AMDISON, NI \$3319) AND WITA (NOOD TRUSS COUNCIL OF AMERIA, 6300 ENTERPRISE LN,
MADISON, MI \$3719) FOR SAFETY PRACTICES PROCUMAN EPARES AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED
TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARES AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED Cq/RT=1.00(1.25)/10(0)

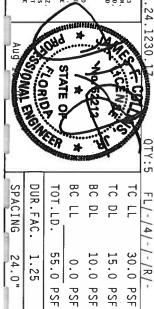
**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVYLATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT PI:

FOR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF RUSSES, BUSIGN CONFORMS WITH APPLICABLE PROVISIONS OF HIS GHATIONAL DESIGN SPEC. BY AFRA) AND TP!.

CONNECTION PLATES ARE HADE OF 70/19/19/16A (W.H.Y.S.Y.) ASTH ASSO BRADE 40/60 (W.Y.M.S.) AGAV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRANTHOS 160A. Z

PARTS TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRANTHOS 160A. Z

ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARREX AS OF FIRI-2002 SEC. 3. A SEA. ON THIS DESIGN OF PLATES OF THE TRUSS COMPONENT OF THE PROPOREST OF THE TRUSS COMPONENT OF THE PROPOREST OF THE TRUSS COMPONENT OF THE PROPOREST OF THE PROPOREST OF THE TRUSS COMPONENT OF THE PROPOREST OF THE PROPERTY OF THE PROPOREST OF THE PROPOREST OF THE PROPERTY OF THE PROPOREST OF THE PROPOREST OF THE PROPERTY OF THE PROPOREST OF THE PROPERTY OF THE PROPOREST OF THE PROPERTY OF THE PROPER DESIGN SHOWN. THE BUILDING DESIGNER PER



PSF PSF

HC-ENG

-JB/ADR

SEQN-

122842

JREF -

1SZR487

_203

DATE REF

08/14/06

Scale =.125"/Ft. R487--- 46528

DRW HCUSR487 06226049

Top chord 2x4 SP #2 Dense :T4, T5 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W14 2x4 SP #2 Dense:
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.593'
:Rt Splice Block 2x4 SP #3: SPECIAL LOADS Nailing Schedule: (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)
Top Chord: 1 Row @ 6" o.c.
Bot Chord: 1 Row @ 3" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. COMPLETE TRUSSES

From From From (LUMBER R DUR.FAC. 94 PLF at 34 PLF at at 0.00 to at 25.51 to at 25.56 to at 25.65 to at 0.00 to at 25.56 to .=1.25 / PLATE E DUR.FAC. 94 PLF at =1.25) 25.51 25.56 25.65 47.33 25.56

Deflection factor for meets L/360 live and L/240 total dead load is 1.50. load. Creep increase

From

6

Calculated vertical deflection is 0.42° 0.59° due to dead load at  $X = 25 \cdot 11 \cdot 2$ . due to live load and

REQUIRED

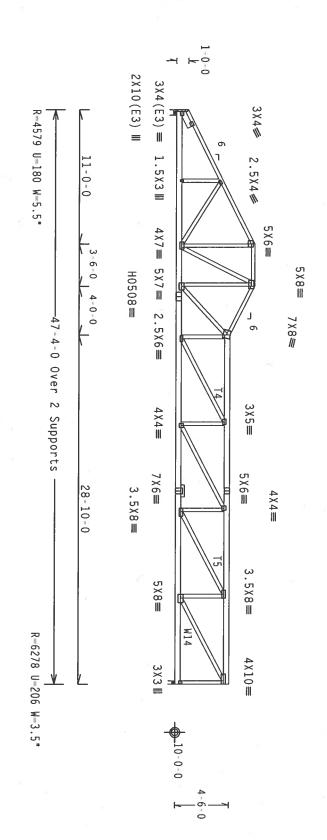
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

IN LIEU OF CHORD STRUCTURAL PANELS OR RIGID CEILING USE PURLINS: SPACING(IN OC) START(FT) END

START(FT) 0.00 0.00 END (FT) 47.33 47.33

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



Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

7.25.

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

Scale

=.125"/Ft.

30.0 PSF

R487-- 46531

PLT

TYP.

20

Gauge HS, Wave

***WARNING** PRUSES REQUIRE EXTREME CARE IN FARRICATION, MANDIENG, SHEPHOE, INSTALLING AND BRACHEG.
***RETER TO BOSI 1003 (BULDING COMPORNET SAFETY HOROMATION) PUBLISHED BY TPJ (TRUES PLATE HETITUTE. SES
***O'RHOFRIO DR., SUITE 200, MADISON, MI 53719) AND WICA (WOOD TRUES COUNCIL OF AMERICA, GODD ENTERPRISE LW,
**MADISON, MI 53719) FOR SAFETY PRACTICES PRICTURAL PARCES AND BOTTON CHOICES SHALL HAVE A PROBERTY ATTACHED
***O'ROOD SHALL HAVE PROBERTY ATTACHED STRUCTURAL PARCES AND BOTTON CHOICES SHALL HAVE A PROBERTY ATTACHED RIGID CEILING.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE RUSS IN CONFORMANCE WITH TP:

RUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF RIDS (MATIONAL DESIGN SPEC, BY AGEA) AND TP:

CONFECTOR FAIRTS ARE ANDE OF 20/19/16/CA (M.H/S/M.) ASTH AGES GANCE 40/50 (M.K.M.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. AND. UNLESS OTHERWISE (COATED ON THIS DESIGN, POSITION FOR BRANINGS 160A. Z.

ANY INSPECTION OF PAIRTS FOLLOWED BY (1) SHALL BE FER ANNER AS OF FPI1-2002 SEC. 3.

AS SEAL ON THIS DESIGNER SECEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABLITY AND DES OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

Alpine Engineered Products, Inc. 1950 Marley Drive

ALPINE

Ticate of

DUR.FAC. SPACING TOT.LD. 55.0 24.0" 1.25 PSF

JREF-

1SZR487

Z03

MIE

BC LL BC DL TC DL

0.0

PSF

HC-ENG

JB/AP 55500

SEQN-

10.0 PSF

DRW HCUSR487 06226057

15.0 PSF

DATE REF

08/14/06

Top chord 2x4 SP #2 Dense: T3, T4 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3: W3, W12 2x4 SP #2 Dense:
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.838'
:Lt Splice Block 2x4 SP #3::Rt Splice Block 2x4 SP #3:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,.$ 

(A) Continuous lateral bracing equally spaced on member

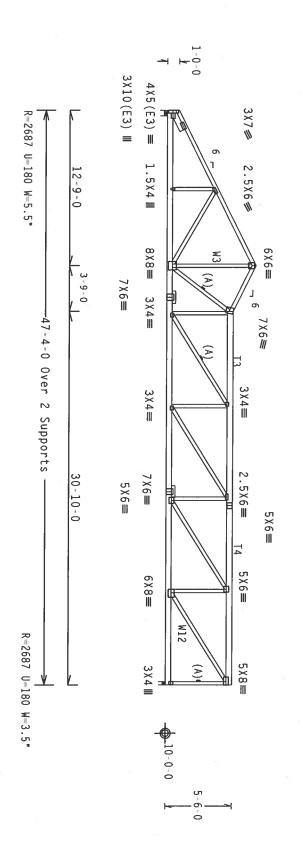
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, and installation of trusses. See "WARNING" note below. shipping

> 110 mph wind, 15.00 ft mean hgt, located within 6.50 ft from roof DL-7.5 psf, wind BC DL-5.0 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

Right end vertical not exposed to wind pressure

IN LIEU OF

STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
SPACING(IN OC)
START(FT)
END
-1.25
46
-1.25
46 END (FT) 46.09 46.09



**WARNING** IRUSSES REDUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
RETER TO 8CSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'OMOFRIO DR., SUITE ZOO, MADISON, HI S3719) AND WITCA (MODD INUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LH, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTON CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

7.24.1230

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

REF

Scale =.125"/Ft. R487-- 46532

DATE

08/14/06

DRW HCUSR487 06226007

JB/ADR 120692

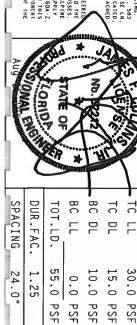
TYP.

Wave

**IMPORTANT**GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS. INC. SMALL NOT BE RESPONSIBLE FOR MAY DETAIL ON FROM THIS DESIGN: AMP FALURE TO BUILD THE ROSSIS. DESIGN CONFERNACE WITH PIE: OF FABRICATION, HANDLING, SHPPING, INSTALLING & BRACKING OF TRUSSES. DESIGN CONFERNS WITH APPLICABLE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI. APPLICABLE ON THE SARE MADE OF 20/18/1604 (M. 14/5/N), SATM AGS GRADE 40/50 (M. 14/5/N), STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. DUKESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER RAMAINGS 160A-2. ANY IMPRECTION OF PLATES FOLICHOED BY (1) SHALL BE PER ANNEX A) OF TPI1 2002 SEC. 3. A SEAL ON THIS DESIGN SHOWN. THE SUITABLIFTY AND USE OF THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLIFTY SUELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLIFTY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ALPINE

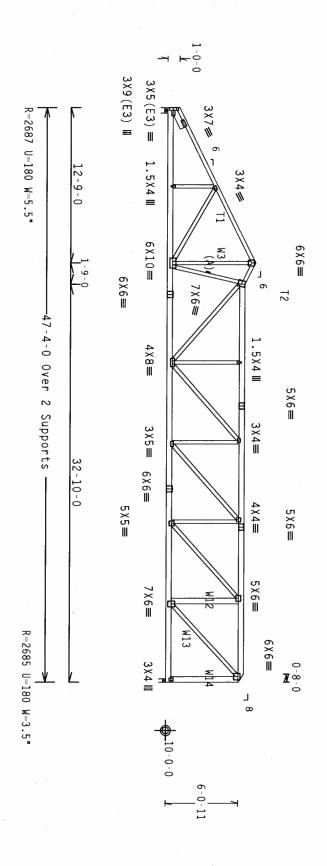


JREF -

1SZR487_Z03

SEQN-HC-ENG

Top chord 2xb Bot chord 2x6 WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. Webs 2x4 SP #3 :W3, W13 2x4 SP #2 Dense :W12, W14 2x6 SP #2: :Lt S1ider 2x6 SP #2: BLOCK LENGTH = 1.861' (A) Continuous lateral bracing equally spaced on member. Construction #1 Dense #3 :W3, W13 2x4 SP #2 Dense: #1 Dense :T1, T2 2x4 SP Buchs #2 Dense: 3×4 // 6X6≡ .5X4 **Ⅲ** 5×6≡ IN LIEU OF CHORD Right end vertical not exposed to wind pressure. 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
SPACING(IN OC)
START(FT)
END
24
0.00
47
120
0.00
47 4×4≡ 5 X 6≡ HIS UWG PKEPAKEU FKUM CUMPUIEK INPUT (LUAUS & DIMENSIONS) SUBMITTED BY TKUSS MFK. 5×6≡ 6X6**≡ 1** 0 - 8 - 0 8 END (FT) 47.01 47.33



**WARNING** IRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'OMOFRIO BA. SUITE 200, MADISON, HI 53719) AND MICA (MODO TRUSS COUNCIL OF ANERLA, 6300 ENTERPRISE IN, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORO SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TYP.

Wave

Design Crit:

TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

**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: DAY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. DAY FAILURE TO BUILD THE ROSS IN CONFORMANCE WITH PIT.

OF ARBICALTING, HANDLING, SHAPPING, AND THE PROSPESS OF THE PROSPESS OF THE PROPERTY OF THE PARTY OF THE PROPERTY OF THE PARTY OF THE PROPERTY OF THE PARTY OF BUILDING DESIGNER PER

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

DUR.FAC. TOT.LD. SPACING 1.25 55.0 24.0" 0.0 PSF PSF SEQN-JRFF-HC-ENG 1SZR4R7 Z03

BC DL TC DL בנ רר

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

30.0 15.0 PSF 10.0 PSF

PSF

REF

R487-- 46533

Scale

125"/Ft

DATE

08/14/06

DRW HCUSR487 06226008

TCE/ADR

120078

Top chord 2x4 SP #2 Dense :T2, T3 2x6 Bot chord 2x6 SP #1 Dense Webs 2x4 SP #3 :Lt Slider 2x6 SP #2: BLOCK LENGTH = SP #1 Dense:

1.872

(A) Continuous lateral bracing equally spaced on member

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

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

110 mph wind, 15.00 ft mean hgt, located within 6.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

Right end vertical not exposed to wind pressure.

IN LIEU OF CHORD TC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
SPACING(IN OC)
START(FT)
END
47
0.00
47
120
0.00
47 END (FT) 47.33 47.33

0-0-3X9(E3) III 3X5 (E3) **≡** 3X7 🕼 R=2687 U-180 W-5.5 13-0-0 3×4€ .5X4 III 3 X 4 ≡ 8X8 **≡**8X8 5×6≡ 47-4-0 Over 12 3X5**≡** 3 X 4≡ 1.5 X 4 Ⅲ N 4 X 8≡ Supports 31 - 8 - 05×6≡ 5 X 6≡ 2.5X6= 4 X 5 (R) Ⅲ  $\overline{3}$ 4 X 5 (R)  $\Xi$ €X6≡ R-2687 U=180 W=3.5* 7 X 6≡ 2-8-4 X 6 (R) 1.5X4 III

Design Crit: TPI 2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

Wave

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, MANDING. SHIPPING. HISTALLING AND BRACING. REFER TO BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 0.000 FRIEDRIS 1500, MADISON, MI 53718) AND MICA (MODD TRUSS COUNCIL OF AMERICA, SDOOG NETERRISE LH. MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE IMPICATED, 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 THN
TRUSS IN COMPORMANCE WITH PRI:
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPCC, BY ATAPA) AND TPI.

APPLY
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPCC, BY ATAPA) AND TPI.

APPLY
PLATES ARE MADE OF ZO/IBJ/166A (H.H/S/K) ASTH A653 GAALE 40/50 (H. K/H.S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNESS OTHERNISE COCALED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OTHER THIS DESIGN OF THIS ZOOZ ECC.3.

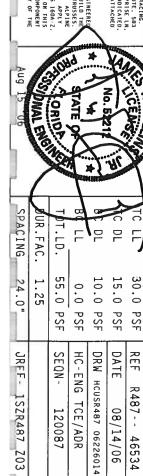
BRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
PARTICULARLY AND THE TRUSS TO THE TRUSS COMPONENT FOR MAY BILLIDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Alpine Engineered Products, Inc. 1950 Marley Drive

ALPINE

Haines City, FL 33844 ficate of A on # 567

IS THE RESPONSIBILITY OF



120087

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

Scale

-.125"/Ft.

08/14/06

Top Bot :: chord 2x4 SP #2 Dense :T3, T4 2x6 chord 2x6 SP #1 Dense Webs 2x4 SP #3 Slider 2x6 SP #2: BLOCK LENGTH = T4 2x6 2.152 SP #1 Dense:

(A) Continuous lateral bracing equally spaced on member

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,.$ 

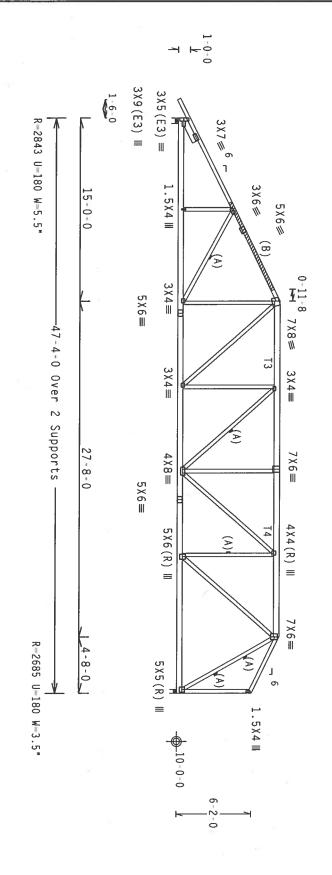
(B) (1) 2X4X 8-0-0 SP#2 DENSE SCAB; ATTACH TO ONE FACE OF TRUSS WITH 10d COMMON(0.148"X3.0") NAILS @ 3"OC WITHOUT SPLITTING LUMBER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

IN LIEU OF CHORD STRUCTURAL PANELS OR RIGID CEILING USE PURLINS: SPACING(IN OC) START(FT) END START (FT) -2.81 -1.25 END (FT) 46.09 46.09

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



**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0 "OMOFRIO DA. SUITE ZOO, MADISON, HI S3719) AND MICA (MODO TRUSS COUNCIL DO AMERICA, 6300 EMERPRISE LW, MADISON, HI S3719) 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. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

Wave

***IMPORTANT**-DURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE PRODUCTS. INC. SHALL NO. BE RESPONSIBLE FOR ANY DEVIATION, SHOPPING, INSTALLING & BRACKING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND IPI. APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND IPI. APPLICABLE CONNECTION FLATES ARE MODE TO 20/18/166A (M.H./S). ASTA MOSS GRADE 40/60 (M. K.H.S) GALVE, STEEL. APPLICABLE OF THE TOP SOURCE AND APPLICABLE OF THE TOP SOURCE FOR THE TOP SOURCE FOR THE TOP SOURCE FOR THE TOP SOURCE OF THE TOP SOURCE O

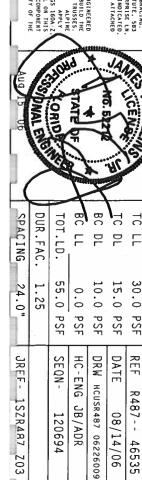
DESIGN SHOWN. THE SUITABILITY AND I IS THE RESPONSIBILITY OF

Alpine Engineered Products, Inc. 1950 Marley Drive

ALPINE

Haines City, FL

33844 on # 567



JB/ADR 120694

1SZR487 Z03

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

Scale

=.125"/Ft.

R487-- 46535

08/14/06

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, and installation of trusses. See "WARNING" note below. Top chord 2x6 SP #1 Dense :T1, T4 2x4 SP #2 Dense: Bot chord 2x6 SP #2 Webs 2x4 SP #3 :Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.693' Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ (A) Continuous lateral bracing equally spaced on member Alpine Engineered Products, Inc. 6-277--Isaac Construction Buchs --Haines City, FL 33844 on # 567 TYP. ALPINE Wave 3X9(E3) Ⅲ 3X5(E3) =( 6 0 3X7# R-2843 U-180 W-5 **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH FPI: OR FABRICATHE, HANDLING, SHPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI. ALPINE CONNECTOR PLATES ARE HADE OF 70/18/166A (M.H.S/K) ASTH A653 GANDE 40/50 (M. K/M.S) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE (DOATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.Z. PLAY INSPECTION OF PLATES FOLLOWED BY (I) SMALL BE PER ANNEX AS OF TPIL-2002 SEC. 3. A SEAL ON THIS DESIGN. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 8CSI 1-05 (BOILDING COMPONENT SAFTLY INFORMATION), PUBLISHED BY FP1 (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, HANDISON, HI 53719) AND WICA (MODD TRUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LH, MADISON, HI 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. σ DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI I SEC. 2. DRAWING INDICATES 1.5X4// 5×6# 3 X 4≡ .7-6-8 3×4/ Design Crit: 5×6≡ 4 X 8 == 6×6≡ -47-4-0 Over 2 shipping TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 3×4≡ 8-0-0 6X8(R) W €X8**=** Supports 1-5-8 **T**4 O2 SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE €X8= 5×6≡ 1.5X4 ■ 11-8-0 5 X 8 ≡ IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS: CHORD SPACING(IN OC) START(FT) END TC 24 -1.57 47 8C 120 0.00 47 Right end vertical not exposed to wind pressure. 110 mph wind, 15.34 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. 6X8≡  $4 \times 4 =$ SONAL ENGIN CORIOR ME 8-8-0 היני כחם ואכיחארט ואטיו כטוירטובא בחדטו (בטאטט פו עוובחטנטואט) טעמוזנוובט פו ואטטט וודא. R=2685 U=180 6X6# 5X5(R) Ⅲ 1.5X4 Ⅲ QTY:1 BC LL BC DL TC DL TC LL DUR.FAC. TOT.LD. FL/-/4/-/-/R/-55.0 1.25 30.0 PSF 10.0 PSF 15.0 PSF 0.0 PSF PSF DATE SEQN-REF HC-ENG DRW HCUSR487 06226011 Scale =.125"/Ft. R487-- 46537 TCE / ADR 08/14/06 120119 10-6-0

en/

SPACING

24.0"

JREF-

1SZR487 Z03

Top chord 2x6 SP #1 Dense :T1 2x4 SP Bot chord 2x6 SP #1 Dense Webs 2x4 SP #3 :Lt Slider 2x6 SP #2: BLOCK LENGTH = #2 Dense: 1.506

(A) Continuous lateral bracing equally spaced on member

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,.$ 

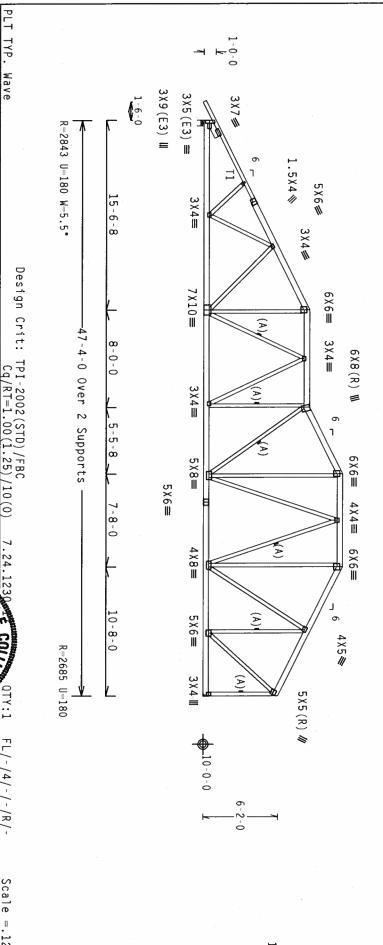
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, and installation of trusses. See "WARNING" note below. shipping

> 110 mph wind, 15.84 ft mean hgt, located within 6.50 ft from roof DL=7.5 psf, wind BC DL=5.0 psf. ASCE 7-02, CLOSED edge, CAT II, EXP B, wind TC

Right end vertical not exposed to wind pressure.

IN LIEU OF CHORD STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
SPACING(IN OC)
START(FT)
END

START(FT) -1.57 0.00 END (FT) 47.33 47.33



**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING.
REFER TO BEST 1-03 (BUILDING CORPORENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE. 583
D "OMOFRIO BR. SUITE 200. MADISON, HI 53718) AND NTCA (MODO TRUSS COUNCIL OF ANERLOA, 6300 ENTERPRISE IN.
HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED.
TOP CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SMALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

PLT TYP.

Wave

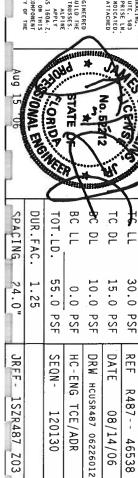
**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: MAY FAILURE TO BUILD THE TRUSS IN CONFIDENCE IN THE PROPERTY OF THE PROPERTY AS OFFICE A

Alpine Engineered Products, Inc.

ALPINE

Haines City, FL 33844 ficate of on # 567

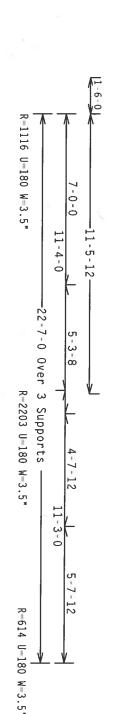


Z03

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

Scale =.125"/Ft.

Bot SPECIAL LOADS 6-277 -- Isaac Construction chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 From From From From (LUMBER 8 R DUR.FAC. 94 PLF at 194 PLF at Conc 4×4 ⊯ to to to to 7.00 -1.25) 7.00 11.33 22.58 0.00 7.00 11.33 22.58 4X10=  $\widehat{\mathbb{R}}$ 1.5X4 III 5X5≡ 6 110 mph wind, 16.50 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. (A) Continuous lateral bracing equally spaced on member. 4 X 4 ≡ INIS UMB PKEPAKEU FKUM CUMPUIEK INPUI (LUADS & DIMENSIUNS) SUBMILIED BY IKUSS MFK. 3X4₩ END(FT) 22.58 11.33 22.58



1.5X4 III

3 X 4 ≡

3X5(R) Ⅲ

4 X 4≡

4×8≡

1.5X4 III

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'OHOFRIO BA. SUITE 200, MADISON, WI 53719) AND MICA (MODO TRUSS COUNCIL DE AMERICA, 6300 ENTERPRISE IN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. MULESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CEILING. TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

Design Crit:

TYP.

Wave

**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 FALLURE TO BUILD THE FROMETS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION, SHIPPING, INSTALLING & BRACING OF RUSSES, IRVORDERMANCE WITH TPI:

RUSS INC COMPORMANCE WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFERA) AND TPI.

DESIGN COMPORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFERA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/19/16/EGA, (M.H./SY), ASTM AGS GRADE 40/50 (M.Y.H.S.) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER BRAHINGS 160A. Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC. 3.

ASSAL ON THIS DESIGN OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC. 3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC. 3.

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ANY INSPECTION OF PLATES FOR THE THIS DESIGN AS THE THI

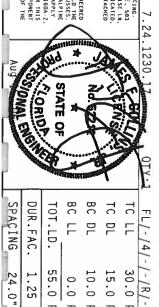
DESIGN SHOWN. THE BUILDING DESIGNER PER

Alpine Engineered Products, Inc. 1950 Marley Drive

33844 on # 567

ALPINE

IS THE RESPONSIBILITY OF



55.0 1.25

> SEQN-HC-ENG

0.0 PSF PSF

24.0"

JREF -

1SZR487_Z03

30.0 PSF

REF

Scale = .25"/Ft. R487-- 46541

10.0 PSF 15.0 PSF

DRW HCUSR487 06226057

JB/ADR 120696

DATE

08/14/06

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 PLT TYP. End verticals not exposed to wind pressure Alpine Engineered Products, Inc. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\cdot$ ALPINE Wave 33844 pn # 567 **IMPORTANT**CURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

AND FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMS HITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRPA) AND TPI.

DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRPA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/166A (M.H/S/K) ASIM ASSO RANGE 40/50 (M. K/H/S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND. UNLESS OHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC.3.

A SEAL ON THI **MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING.
REFER TO BESI 1-03 (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583
D'ONOFRIO DR., SUITE ZOO, HANDISON, HI 53719) AND WICK, (MODOI RUSS COUNCIL OF AMERICA, 5300 ENTERPRISE LIN
**ADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PREFORMING THESE FUNCTIONS. UNICES OTHERNISE LINDICATED
**TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
**RIGID CEILING. DRAWING INDICATES 1.5X4 Ⅲ 3X4≡ R=618 U=180 W=3.5" Design Crit: 3×4€ 9-0-0 11-4-0 11-5-12 TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) ·22-7-0 Over 3 Supports 3×4≡ 4X6≡ 1.5X4 W OLELY FOR THE TRUSS 3 X 4 ≡ 5-3-8 R=1317 U=180 W=3.5* ALPINE ENGINEERED 4×4≡ USS COMPONENT 110 mph wind, 16.91 ft mean hgt, located within 4.50 ft from roof DL-7.5 psf, wind BC DL-5.0 psf. IN LIEU OF 5X12≡ 3×4≡ CHORD TC BC BC σ STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

24

0.00

22.58

120

0.00

11.33

120

11.19

22.58 11-3-0 4×4≡ R-630 U=180 W-3.5" ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC 3×4≡ BC DL וכ רר TC DL DUR.FAC. TOT.LD. FL/-/4/-/-/R/-55.0 24.0" 1.25 30.0 PSF 10.0 PSF 15.0 PSF 0.0 _14-0-0 PSF PSF SEQN-DATE REF HC-ENG DRW HCUSR487 06226059 Scale = .25"/Ft. R487-- 46542 TCE / ADR 08/14/06 120147 -9-14

Aug

SPACING

JREF-

1SZR487_Z03

Z03

Top chord 2x6 SP #1 Dense Bot chord 2x6 SP #1 Dense Webs 2x4 SP #3 BC TC End verticals not exposed to wind pressure SPECIAL LOADS From 90 PLF at 0.00 From 20 PLF at 0.00 794 LB Conc. Load at 705 LB Conc. Load at 711 LB Conc. Load at LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC. rom 90 PLF at 0.00 to 90 PLF at 0.00 to 20 PLF at 794 LB Conc. Load at 2.10, 4.10, 6705 LB Conc. Load at 1.77 711 LB Conc. Load at 3.77, 5.77 1.25) 7.17 7.17

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

Truss must be installed as shown with top chord up.

Provide connection for concentrated load(s) shown

4 X 5 ≡

1.5×4 Ⅲ

4×5≡

## COMPLETE TRUSSES REQUIRED

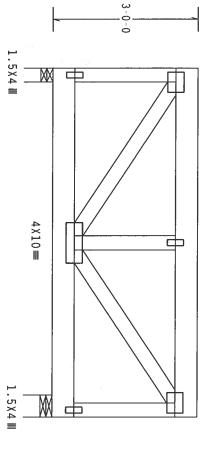
Nailing Schedule: (
Top Chord: 1 Row @
Bot Chord: 1 Row @
Webs: 1 Row @ (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails) @ 4.00" o.c. @ 5.00" o.c. @ 4" o.c.

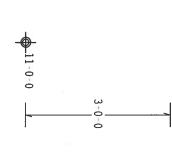
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 7 END (FT)

The TC of this truss shall be braced with attached spans at  $24\mbox{\tt "}$  OC in lieu of structural sheathing.





R-2419 U-180 W-3.5" -7-2-0 Over 2 Supports R=2880 U=180 W=5.5*

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHAPPING, INSTALLING AND BRACING.

REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FBUSS PLATE INSTITUTE, \$83

D'ONOFRIO DR. SUITE ZOO, HANDISOM, HI 53719), AND BUTCA (ADOD TRUSS COUNCIL OF AMERICA, 6300 EXTERRENTSE LH,
MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNILESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

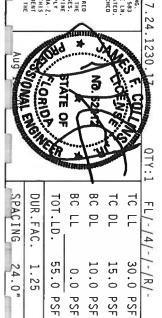
**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALLINE TO BUTION THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALLING TO BUTION THE FROMETS, INC. ONE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION, HANDLING, SHPPING, INSTALLING BEBACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MID S(MATIONAL DESIGN SPEC. BY AFEAD, AND TPI. APPLICABLE PROVISIONS OF MID SECONMENT OF THE PROPERTY OF THE PROPERTY

Alpine Engineered Products, Inc.
1950 Marley Drive
Hannes City, FL 33844
Caste of the Conference of the S67

33844 on # 567

BUILDING DESIGNER PER

ALPINE



0.0 PSF PSF

SEQN-HC-ENG

JREF -

1SZR487

203

DATE REF

08/14/06

Scale =.5"/Ft.

R487-- 46544

DRW HCUSR487 06226061

TCE / ADR 11258

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

SPECIAL LOADS From (LUMBER DUR.FAC.=1.25) / PLATE DUR.FAC.=1.25) rom 90 PLF at 0.00 to 90 PLF at 6.79 rom 20 PLF at 0.00 to 20 PLF at 6.79 2685 LB Conc. Load at 1.85, 3.85, 5.85

End verticals not exposed to wind pressure.

N LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 6
BC 81 0.00 6 END(FT) 6.79 6.79

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

Provide connection for concentrated load(s) shown

## COMPLETE TRUSSES REQUIRED

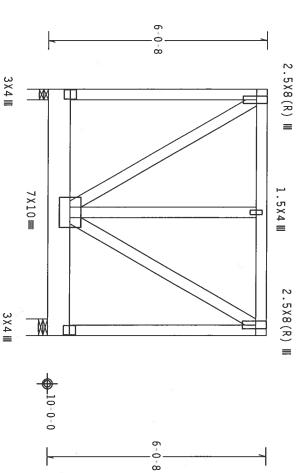
Nailing Schedule: (12d_Box_or_Gun_(0.128*x3.25*,_min.)_nails)
Top Chord: 1 Row @12.00* o.c.
Bot Chord: 3 Rows @ 3.75* o.c. (Each Row)
#Webs : 1 Row @ 4* o.c.

Use equal spacing between rows and stagger in each row to avoid splitting. nails

110 mph wind, 16.04 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL-7.5 psf, wind BC DL-5.0 psf. B, wind TC

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up



Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

R-3857 U-180 W-3.5*

R-4944 U-217 W-5.5"

-6-9-8 Over 2 Supports

PLT TYP.

Wave

D'ONOFRIO DR. SUITE 2
MADISON. WI 53719) FOR REFER TO BEST 1.03 GUILDING COMPONENT SAFETY ENGINATION, HANDLING, SHIPPING, INSTALLING AND BRACING,
D'ONOFRIO BR. SUITE 200, MADISON, HE 153719) AND BIVEN CHOORD FROS COUNCIL OF AMERICA, 6300 ENTERPRISE LH,
MADISON, HI 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.

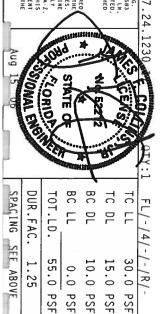
Alpine Engineered Products, Inc.

ALPINE

Haines City, FL

on # 567

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALT THE ENGINEERD PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH 1P1: OR FABRICATING, HANDLING, SHPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC, BY AFRA) AND TP1. ALPINE CONNECTOR PLATES ARE HADE OF 70/18/16GA (M.H/5/K) ASTH A653 GAADE 40/50 (K./H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERHISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. Z
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANNER A 30 OF TP11-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS ALCOHOONERT 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/TP1 1 SEC. Z.



PSF

SEQN-HC-ENG

120176

JREF -

1SZR487 Z03

PSF

R487-- 46545

Scale

=.375"/Ft.

DATE REF

08/14/06

DRW HCUSR487 06226015

TCE / ADR

Bot SPECIAL LOADS chord 2x4 SP chord 2x4 SP Webs 2x4 SP #2 Dense P #2 Dense P #3 :W2, W8 2x4 SP #2 Dense

From 90 PLF at 0.00 to 9 PLF at 0.00 to 9 PLF at 0.00 to 2 From 20 PLF at 0.00 to 2 737 LB Conc. Load at 1.40, 711 LB Conc. Load at 7.40, 705 LB Conc. Load at 11.40 / PLATE TE DUR.FAC.=1.25)
90 PLF at 13.17
20 PLF at 13.17
3.40, 5.40

Max JT VERT DEFL: LL: 0.24" DL: 0.29" recommended camber 1/2"

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up

Provide connection for concentrated load(s) shown

COMPLETE TRUSSES REQUIRED

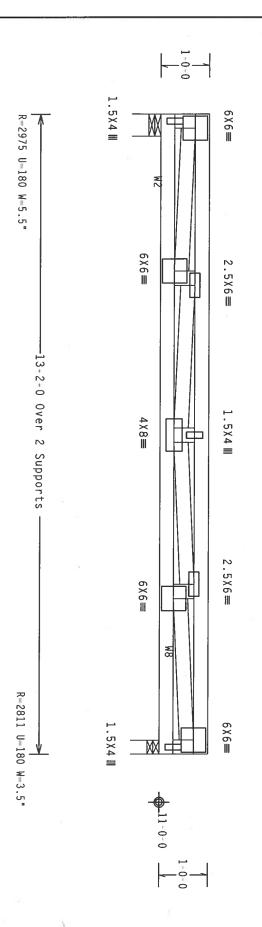
Nailing Schedule: Top Chord: 1 Row ( Bot Chord: 1 Row ( (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)
@12.00" o.c.
@ 4.50" o.c.

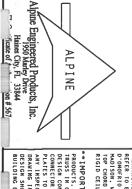
Webs : 1 Row @ 4" o.c. Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 13
BC 120 0.00 13 END (FT) 13.17 13.17

The TC of this truss shall be braced with attached spans at  $24\mbox{\ensuremath{^{\circ}}}$  OC in lieu of structural sheathing.





PLT TYP.

Wave

Design Crit:

TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

"*#ARNING** TRUSSES REQUIRE EXTREME CAME IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TEP (TRUSS PLATE INSTITUTE. 583 D'OMORFRIO BR., SUITE ZOO, HANDISON, HI 53718) AND HICRA (MOOD TRUSS COUNCIL OF AMERICA, SDOO ENTERPRISE LH, MADISON, HI 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**FURMISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FALLURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALLURE TO BUILD THE TRUSS IN COMPONENCE WITH PIT.

OF FABRICATING, HANDLING, SHEPPING, INSTALLING, SHEPPING, INSTALLING BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (MATIONAL DESIGN SPEC, BY ASEA), AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/166A (M. H/S/S), ASIM A653 GRADE 40/56 (M. K/M.S) GALV. SIEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX AS OF FPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL TRUSHER AND RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE SULFAMENT AND THE TRUSS COMPONENT OF THE SIGN SHOWN.

THE SULFAMENT AND THE SULFAMELITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

DESIGN SHOWN. THE SUITABILITY AND USE OF BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

QTY:1 BC LL BC DL DUR.FAC. TC LL SPACING TOT.LD. TC DL FL/-/4/-/-/R/-55.0 1.25 10.0 PSF 15.0 PSF 30.0 PSF 24.0" 0.0 PSF PSF JREF -SEQN-DATE REF HC-ENG DRW HCUSR487 06226026 Scale

TCE / ADR

120217

1SZR487

Z03

R487-- 46546

08/-14/06

=.5"/Ft.

SPECIAL LOADS chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 From -- (LUMBER DUR.FAC.=1.25 / PLATE DIFFORM 90 PLF at 0.00 to 90 From 20 PLF at 0.00 to 20 170 LB Conc. Load at 0.53, 10 281 LB Conc. Load at 2.53, 8 397 LB Conc. Load at 4.50, 6 FE DUR.FAC.=1.25)
90 PLF at 10.67
20 PLF at 10.67,
10.02,
8.04,
6.04

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide connection for concentrated load(s) shown

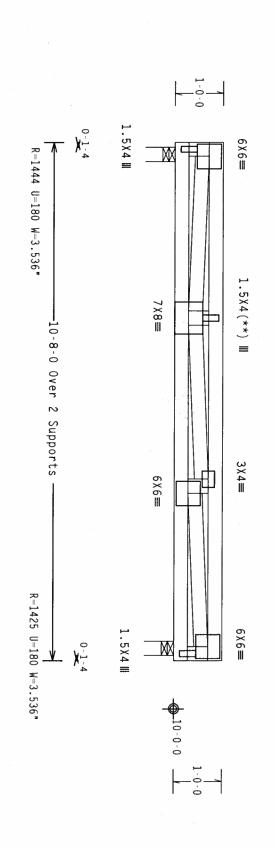
COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Box_or_Gun_(0.128*x3.25*,_min.)_nails)
Top Chord: 1 Row @ 7.50* 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.

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

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 10
BC 120 0.00 10 10.67

Iruss must be installed as shown with top chord



**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SUPPING, HISTALLING AND BRACING.

REFER TO BEST 1 03 GUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TBUSS PLATE INSTITUTE, 583)

**O-OHOPRIO DR. SUTIE 200. HADISON, HI 53719) AND NICA (ADDO TRUSS COUNCIL OF AMERICA, 6300 EXTREMENTSE LIN,

**MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNILESS OTHERWISE INDICATED.

**TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL PANELS AND BOTTOM CHORD SHALL PANELS AND BOTTOM CHORD SHALL PANELS AND BOTTOM CHORD SH TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

Design Crit:

PLT

TYP.

Wave

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE AITH FPI:

OF FABRICATING, HANDLICABLE PROVISIONS OF PROS. CHAIN, CHANDLICABLE PROVISIONS OF PROS. CHAIN, CHA

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. DRAWING INDICATES

lpine Engineered Products, Inc.

ALPINE

Haines City, FL

33844 on # 567

YONAL EX DUR.FAC. SPACING SEE ABOVE 1.25 JRFF-1SZR487

Aug

CORNO

BC LL BC DL

0.0 PSF PSF

HC-ENG

T.CE / ADR

10.0 PSF 15.0 PSF

DRW HCUSR487 06226028

TC DL abla

DATE REF

08/14/06

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

Scale

=.5"/Ft.

30.0 PSF

R487-- 46547

TOT.LD.

55.0

SEQN-

119448

Z03

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

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

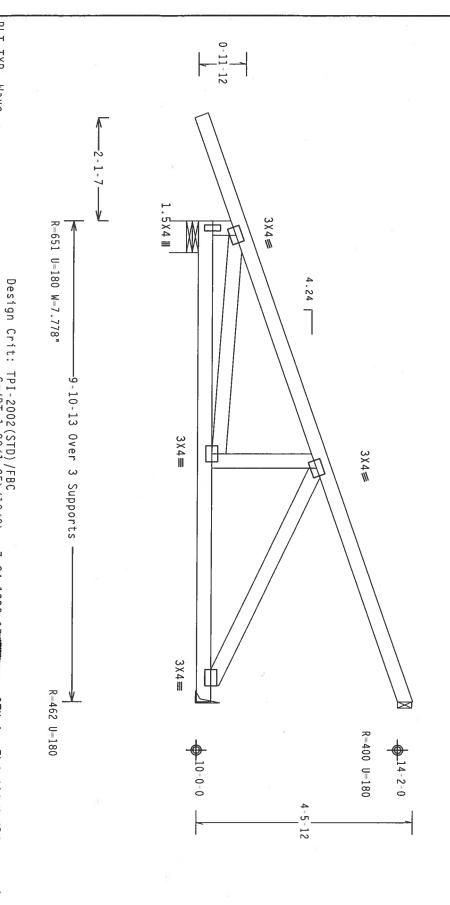
IN LIEU OF STRUCTURAL PANELS OR RIGID
CHORD SPACING(IN OC)
TC 24
BC 75

CEILING USE PURLINS: START(FT) END -2.17 9

END (FT) 9.90 9.90

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide (3) 0.162x3.5* 16d Common toe-nails at Top Chord



**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, HSTALLING AND BRACING, REFER TO BEST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0.000 FER COMPONENT SAFETY AND STORE AND SAFETY AND STORE AND SAFETY AND SAFETY AND SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHEREN'SE INJICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

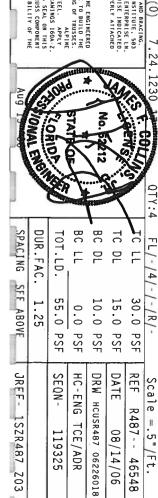
**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALLINE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILOR. FOR THIS DESIGN: ANY FALLING A BRACING OF BUILD THE TRUSS IN COMPONENCE HITH FIT:

OF FABRICATING, HANDLE, SHEPPING, INSTALLING A BRACING OF TRUSSES, DESIGN COMPONENCE HITH APPLICABLE PROVISIONS OF HUS (MATIONAL DESIGN SPEC, BY ACEPA), AND TPI, COPINCE ARE HADO OF 20/18/1606A (H. H/SY), ASIH A653 GRADE 40/56 (H. K/H.S.) GALV. SIEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. BUILESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A.3 OF TRII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTAINEE OF PROFESSIONAL REGIONEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OR THE SUSTAINES AND THE SUSTAI

DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

ALPINE

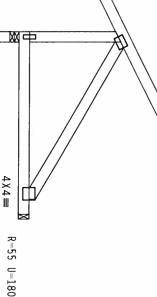


TCE / ADR

119325

08/14/06

1SZR487 Z03



3X4#

R=205 U=180 -6-0

**1**-6-0 **y** 

1.5×4 Ⅲ

R=461 U=180 W=3.5* **≮**5-0-0 0ver 3 Supports →

PLT TYP. Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING.
RETER TO BESI TO SCHOOLEDING COMPONENT SAFTY IN FORMATION), PUBLISHED BY FIT (TRUSS PLATE INSTITUTE, 583
D'ONDFRIO BR. SUITE 200, MADISON, HI 53719) AND WICA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LK,
MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERNISE INDICATED.
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

Design Crit:

TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0)

Scale

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN: ANY FAILURE TO BUILD THE ROUSES IN CORPORANCE WITH HEP:

RUSS IN CORPORNACE HITH APPLICABLE PROVISIONS OF ROS (MATIONAL DESIGN SPEC, BY AFAPA) AND TP!.

DESIGN CONFIDENCE ARE MADE OF PO/PSIGN SPEC, BY AFAPA AND TP!.

CONNECTION PLATES ARE MADE OF PO/PSIGN AND UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A A. APPLY

PLATES TO EACH FACE OF TRUSS, AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A A. APPLY

PLATES TO EACH FACE OF TRUSS, AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A A. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEW AS OF FPIT—2002 SEC. 3. AS AS ALO NITIES

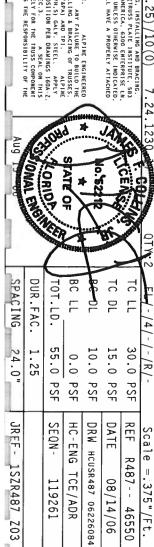
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI I SEC. 2.

Alpine Engineered Products, Inc.

33844 on # 567

ALPINE



IN LIEU OF p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP CHORD TC BC OF STRUCTURAL PANELS OR R
SPACING (IN OC)
24
64 #2 Dense #2 Dense #2 Dense RIGID CEILING USE PURLINS:
) START(FT) END
0.00 5
0.15 5 END(FT) 5.46 5.46

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

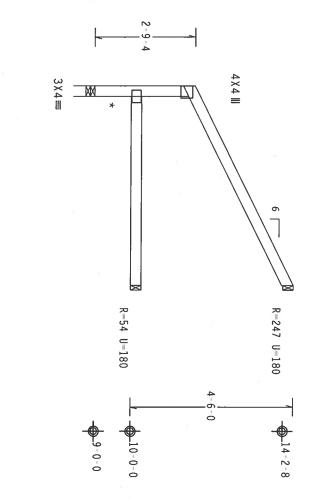
Calculated horizontal deflection is 0.31" due to live load to dead load. and 0.26'

Deflection meets L/360 live and L/240 total load. factor for dead load is  $1.50\,\mathrm{cm}$ Creep increase

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

Left end vertical not exposed to wind pressure.

DROP LEG IS NOT DESIGNED TO RESIST ANY LATERAL LOADING WIND PRESSURE. MOMENT CONNECTION BETWEEN END VERTICAL AND WALL TO BE PROVIDED BY BUILDING DESIGNER.



R-318 U-180 W-3.5* ←-5-5-8 Over 3 Supports -->

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

Wave

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING.
REFER TO RESI 1-03 (BUICDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 803)
D'ONDEFRIO DR., SUITE 200, ANDISON, HI 53719) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 8000 ENTERPRISE LE,
MADISON, HI 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 ROOM THIS DESIGN. ANY FALLURE TO BUILD THE TRUSS IN COMPONENCE WITH TPI:

OF ARREST AND THE PRODUCT OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY ARE PA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/16/AC, MALM 15/M, ASTH MASS GRADE 40/50 (M. K.H. S) CALL. STEEL APPLY

PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWHINGS 186A. Z.

ANY MESPECTION OF PLATES FOLLOWED BY (1) SMALL BE PER ANKEX AS OF TPIT-2002 SEC. 3.

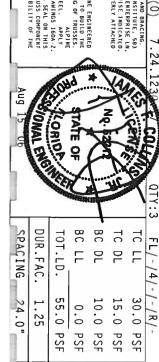
A SCAL ON THIS

BRANING INDICATES ACCEMENT OF PRODESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND USE OF BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

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

ALPINE



JREF -

1SZR487 Z03

SEQN-HC-ENG

119340

REF

Scale = .375"/Ft. R487-- 46552

DATE

08/14/06

DRW HCUSR487 06226062

TCE / ADR

IHIS UNG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 2x4 SP p Bot chord 2x4 SP p Webs 2x4 SP p PLT IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 3
BC 36 0.00 3 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 σ TYP. 277 -- Isaac Construction ALPINE Wave 33844 30 # 567 #2 Dense #2 Dense #3 **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ARY FALLING TER RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLING TO BUILD THE ROOMER'S. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALLING E BRACTHS OF TRUSSES.

ROUSIGN CONFORMS WITH APPLICABLE PROYISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI.

CONNECTOR PLATES ARE ALGO DE 20/19/16/6A, (M.H./S.Y.) ASTH AGSS GRADE 40/50 (M. K/H.S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DAMINGS 160A. Z.

ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC.3.

ASEA. ON THIS DESIGN OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC.3.

ASEA. ON THIS DESIGN OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC.3.

ASEA. ON THIS DESIGN OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC.3.

ASEA. ON THIS DESIGN. **WARNING** IRUSSES RECUIRE 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'OHOFRIO BR. SUITE ZOO, HADISON, HI 53719) AND MICA (MOOD TRUSS COUNCIL OF ANERLA, 6300 ENTERPRISE IN, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. 1.5X4 III Buchs R-170 U=180 W=5.5* 3-0-0 Over 3 Supports Design Crit: THIS COMPONENT FOR END (FT) 3.00 3.00 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) R=31 U=180 R-139 U-180 IZ SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT IN THE TRUSS COMPONENT IN THE PROPERTY OF THE Ö Provide Provide 110 mph wind, 15.00 ft mean hgt, ASCE anywhere in roof, CAT II, EXP B, wind psf. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. ~~ 16d common nails(0.162"x3.5"), 16d common nails(0.162"x3.5"), SONAL ENGIN (10RIO) וחוט טאט דאכראאכט דאטח נטחדטובא ואדטו (LUADS & DIMENSIONS) SUBMILIED BT IRUSS MFK. 0TY:3 BC LL BC DL DUR.FAC. TC DL TC LL TOT.LD. FL/-/4/-/-/R/-7-02, CLOSED bldg, Located TC DL=7.5 psf, wind BC DL=5.0 toe nailed toe nailed 55.0 30.0 1.25 10.0 PSF 15.0 PSF 0.0 PSF PSF PSF at Top chord. at Bot chord. REF SEQN-DATE HC-ENG DRW HCUSR487 06226054 Scale =.5"/Ft. R487-- 46555 TCE/ADR 119216 08/14/06

Aug

SPACING

24.0"

JREF -

1SZR487 Z03

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 Left end vertical exposed to wind pressure. Deflection meets  $L/240\,$  criteria for brittle and flexible wall coverings. 0 277 - Isaac Construction Buchs EJK3 IN LIEU OF CHORD TC BC 110 mph wind, 15.00 ft mean hgt, ASCE anywhere in roof, CAT II, EXP B, wind psf. STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

END

-1.57

1

0.00

1 וויוס משם בערבאטרה בעהוו רהוובחובע זוגבחו (רהאחס פי חזוובושסומוס) סחפעזוובה פו ואחסס שבאי 7-02, CLOSED bldg, Located TC DL=7.5 psf, wind BC DL=5.0 END (FT) 1.38 1.38

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

Provide ( Provide (

22

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

N 3X4€ 1.5X4 III W 5 X 4 ≡ R=7 U=180 R--16 U-180 <del>|</del> 12-1-12

**←**1-6-0-**>**J 1-4-8 Over 3 Supports R=318 U=180 W=3.5*

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

QTY:3

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

Scale =.5"/Ft.

R487-- 46556

30.0 PSF

TC DL TC LL

15.0 PSF

DATE REF

08/14/06

PLT

TYP.

Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE LHSTITUTE, 593) O' DORGRIO DR. SUITE 200. HADISON, HI 53719) AND MICCA (MODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LH, HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INFORMATION OF THE PROPERTY ATTACHED STRUCTURAL PAMELS AND BOTTON CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

**IMPORTANT**TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALLER TO BUILD THE PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLER TO BUILD THE IRUSS IN COMPORANCE WITH FPI: OR FARRICATING, HANDLING, SHIPPING, INSTALLING & BRACKING OF TRUSSES. DESIGN COMPORAS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFAPA) AND TPI. CONNECTOR PLAIES ARE MADE OF 20/18/18GA (M.H/S/S), ASTM ASSS GRADE 40/60 (M.K/H.S) GAAV. STEEL. APPLY LATES TO EACH FACE OF TRUSS AND. UNLESS OF MERMISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA.Z. DRAWING INDICATES ACCEPTANCE OF P THIS DESIGN, POSITION PER DRAWINGS 160A-

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

ALPINE

A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT IN THE RESPONSIBILITY OF THE **Aug** BC LL BC DL DUR.FAC. SPACING TOT.LD. 55.0 1.25 10.0 PSF 24.0" 0.0 PSF

PSF

SEQN-

HC-ENG

TCE/ADR 119205

DRW HCUSR487 06226005

JREF-

1SZR487 Z03

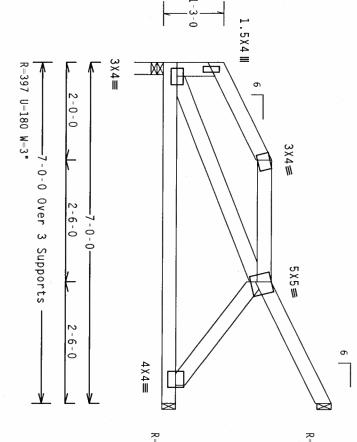
Bot Z LIEU OF STRUCTURAL PANELS OR RIGID
CHORD SPACING(IN OC)
TC 24
BC 75 chord 2x4 SP chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3 D CEILING USE PURLINS:
START(FT) END()
0.00 7.0

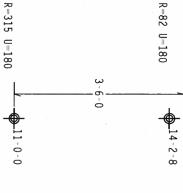
END (FT) 7.00 7.00

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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





Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

Scale

=.5"/Ft.

R487-- 46557

08/14/06

TCE / ADR 119390

PLT

TYP.

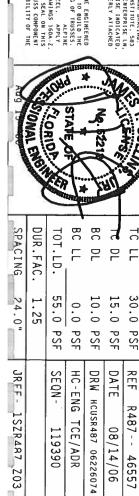
Wave

***HARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HARDING, SHPPING, INSTALLING AND BRACING, REFER TO BEST TO 3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 583 O "OMOFRIO DR., SUITE 200, HADISON, HI 53718) AND MICA (MODD TRUSS COUNCIL OF AMERICA, SDOC ENTERPRISE LH, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL FAMELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT**PURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVLATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRANSES IN CONFORMANCE WITH THE THE PARKET THIS PARKET THE PARKET THE THIS PARKET TH DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. OF TPI1-2002 SEC.3. A SEAL ON THIS DNSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ALPINE



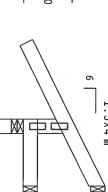
1SZR487 Z03

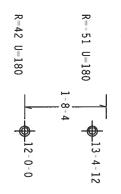
Z I LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 -1.57 1
BC 16 0.00 1 chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 END (FT) 1.38 1.38

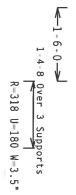
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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







Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

QTY:6

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

30.0

PSF

REF R487-- 46558

Scale =.5"/Ft.

DATE

08/14/06

BC DL

10.0 PSF 15.0 PSF

DRW HCUSR487 06226027

#C DL TC LL

BC LL

0.0 PSF

HC-ENG

TCE / ADR 11263

PSF

SEQN-

JRFF-

1SZR487 Z03

PLT TYP.

Wave

****WARNING** PRISSES REQUIRE EXTREME CARE IN FARRICATION, MANDLING, SHIPPING, INSTALLING AND BRACING.

REFER TO BEST 1-03 (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (RUSS PLATE INSTITUTE, 583

D'OMOFRIO DR., SUITE 200, MADISON, MI 53319) AND MICA (NODD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE UN.

MADISON, MI 53319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,

TOP CHORD SMALL 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.

ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI;

OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF RUSSES, DESIGN COMPOREN, WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AREA), AND TPI,

CONNECTOR PLATES ARE HADE OF 20/18/10GA (M.H.Y.Y.Y. ASTM AGS JGANG 40/50 (M.K.M.S), BALV, STEEL, APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A-Z

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX AS OF FPIT-2002 SEC. 3.

AST LINSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX AS OF FPIT-2002 SEC. 3. DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. DRAWING INDICATES ACCEPTANCE

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

ALPINE

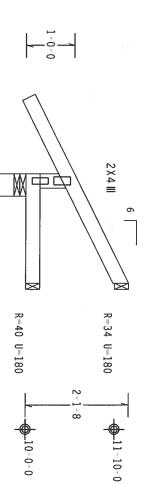


Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 IN LIEU OF STRUCTURAL PANELS OR RIGID
CHORD SPACING(IN OC)
TC 24
BC 27 CEILING USE PURLINS:
START(FT) END
-1.57 2 0.00

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



**1**-6-0-✓ 2-3-0 Over 3 Supports

R=334 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT

TYP.

Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583
D'ONDEFIO BR. SUITE 200, ANDISON, HI 53719) AND WICA (MODO TRUSS COUNCIL 67 AMERICA, 500 ENTERPRIS LH,
MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERNISE INDICATED.
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

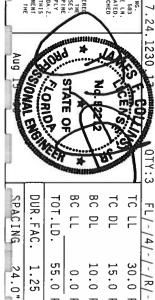
***IMPORTANT***URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FALLERS TO BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLERS TO BUILD THE TRUSSES IN CONFORMANCE HITH FP: ON FARRICALTING, HANDLING, SHIPPING, ISTALLING & BRACING OF TRUSSES DESIGN CONFORMS HITH APPLICABLE PROVISIONS OF MS (ANTIONAL DESIGN ESPEC, BY AFRA) AND TP!. APPLICABLE PROVISIONS OF MS (ANTIONAL DESIGN ESPEC, BY AFRA) AND TP!. APPLY CONFECTION PLACES ARE MODE OF 20/18/166A (M. H./SY, ASTM ASS) GRADE 40/50 (M. K/H.S) GALL. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRANINGS 160A-1 ANY INSPECTION OF PARTES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TP!1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERS AGE RESONSIBILITY SOLELY FOR THE TRUSS COMPONEN DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI I SEC. 2.

Alpine Engineered Products, Inc. 1950 Marley Drive
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FI. Certificate of Anthorization # 567

ALPINE

SOLELY FOR THE TRUSS COMPONENT



10.0 PSF 15.0 PSF

DRW HCUSR487 06226030

PSF

REF

R487--- 46559

Scale =.5"/Ft.

DATE

08/14/06



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

Left end vertical not exposed to wind pressure

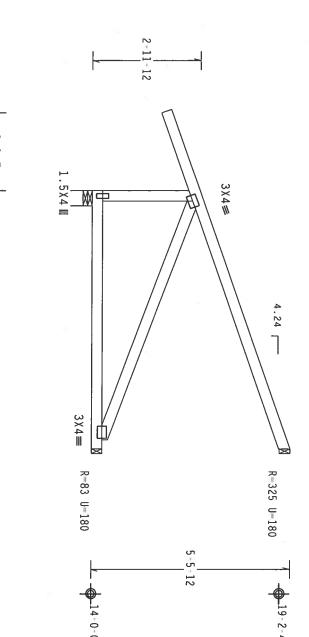
Hipjack supports 5-0-0 setback jacks with no webs

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{cm}$ 

110 mph wind, 17.84 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 -2.17 7
BC 75 0.00 7

Provide ( Provide (  $\sim \omega$ ___ 16d common nails(0.162"x3.5"), 16d common nails(0.162"x3.5"), toe toe nailed nailed at Top chord. at Bot chord.



R-440 U-180 W-4.95" -7-0-14 Over 3 Supports

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

QTY:2

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

Scale =.375"/Ft. R487-- 46560

DATE REF

08/14/06

PLT TYP.

Wave

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. MANDLING. SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1:03 (BUILDING CORPORENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE. 583 0'000FRIO BA. SUITE ZOO, MADISON, MI 53719) AND MICA (MODO TRUSS COUNCIL OF ANERLA, 6300 ENTERPRISE LH, MADISON, MI 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 ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THE!

FARE CALLING, HAND THE PICABLE PROVISIONS OF MOS (MATIGNAL DESIGN ESPEC, BY AFER) AND THE APPLICABLE PROVISIONS OF MOS (MATIGNAL DESIGN ESPEC, BY AFER) AND THE APPLY CONNECTOR PLAITES ARE MODE OF 20/18/160A (H-1/F)X/ASTH ASSES GRADE 40/60 (K-X/H-S) CANAL STEEL APPLY PLAITES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PER DRAWINGS 180A. ON THIS DESIGN, POSITION PER DRAWINGS 160A
A3 OF TP11=2002 SEC.3. A SEAL ON TH SEAL ON THI

Alpine Engineered Products, Inc.

ALPINE

Haines City, FL 33844
FI Certificate of Amborization # 567

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JREF -

1SZR487 Z03

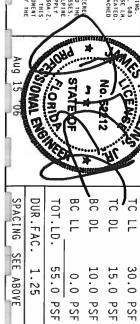
SEQN-

119275

HC-ENG

TCE / ADR

DRW HCUSR487 06226083



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

Left end vertical not exposed to wind pressure

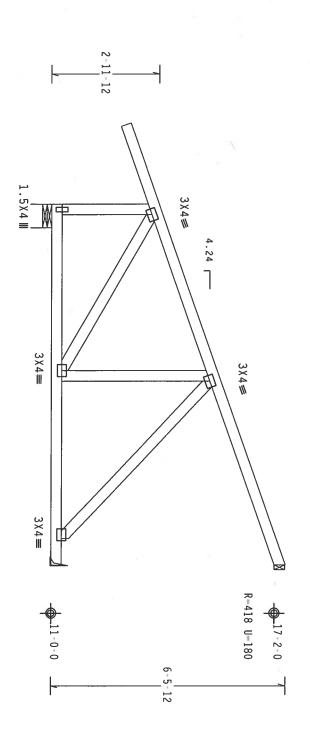
Hipjack supports 7-0-0 setback jacks with no webs

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.34 ft mean hgt, ASCE anywhere in roof, CAT II, EXP B, wind DL-5.0 psf. 7-02, CLOSED bldg, Located TC DL=7.5 psf, wind BC

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 -2.17 9
BC 75 0.00 9

Provide (3) 0.162x3.5" 16d Common toe nails at Top Chord. END(FT) 9.90 9.90





Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

Scale =.375"/Ft. R487-- 46561

DATE

08/14/06

DRW HCUSR487 06226063

TCE / ADR 119308

JRFF-

1SZR487 Z03

SEQN-HC-ENG PLT TYP.

Wave

MARKHIMU" I HUNNES 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'ONDERIO DA. SUITE ZOD. HANDISON, HI 153719) AND HICA (HODO DRUSS COUNCIL OF AMERICA, 5000 ENTERPRISE LH.
HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORNING THESE FUNCTIONS. MULESS 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 ROOM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPONANCE WITH FPI:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (INTIGNAL DESIGN SPEC, BY FERA) AND TPI.

CONNECTOR PLATES ARE HADE OF 20/19/16/66, (M.M.Y.SYL) ASTH AGSS GADE 40/60 (M. K.M.STELL) ALPINE CONNECTOR PLATES ARE HADE OF 20/19/16/66, (M.M.Y.SYL) ASTH AGSS GADE 40/60 (M. K.M.STELL) ADPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1*2002 SEC. 3.

BRANING INDICATES ACCEPTANCE OF PROFESCIAM. FROM PERSON ANNEX A3 OF TPI1*2002 SEC. 3. DESIGN SHOWN. THE SUITABILI BUILDING DESIGNER PER ANSI/TPI

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FT Configure of Authoritation # 567

ALPINE

IS THE ρug CORIO ال 18 BC DL DUR.FAC. TC DL TC LL SPACING TOT.LD. SEE ABOVE 55.0 30.0 1.25 10.0 PSF 15.0 PSF 0.0 PSF PSF PSF REF

Pug

SPACING

24.0"

JRFF-

1SZR4R7 Z03

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

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. Creep increase factor for dead load is  $1.50\,\cdot$ 

110 mph wind, 16.84 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-7.5 psf, wind BC DL-5.0

IN LIEU OF CHORD TC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

24

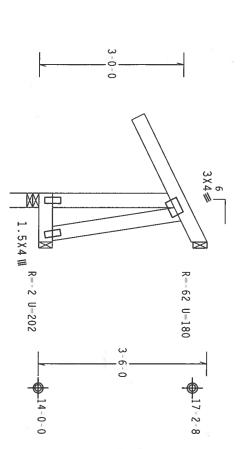
-1.57

1

0.00

0 END (FT) 1.00 0.83

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



**└**-1-6-0->J 1-0-0 Over 3 Supports R=331 U=180 W=3.5*

1.5X4 Ⅲ

PLT

TYP.

Wave

Design Crit: TPI-2002(STD)/FBC  $\frac{Cq/RT=1.00(1.25)/10(0)}{7.}$ ***Warning** trusses require extreme care in fabrication. Handling. Suppring. Installing and bracting. Refer to best 1-03 (building component safety information), published by the (rbuss plate institute, saso) component object. Suppring the property of the property attached in the property of the property attached and bottom chord shall have a property attached right cellulus.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FILIURE TO BUILD THE PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FILIURE TO BUILD THE TRUSS IN COMPONANCE WITH TPI;

OF FABRICATION, ANNOLING, SHIPPING, INSTALLING & BRACILO OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ACEAD, AND TPI. APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY ACEAD, AND TPI. APPLICABLE OF 20/18/16/AC, MAY/SYD, ASTH MASS GAADE 40/50 W, K/H.S) GAILY STEEL. APPLICABLE OF TRUSS AND. DIMESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 180A-Z. APPLICABLE OF TRUSS OTHERNISE LOCATED ON THIS DESIGN. 2010 M PLATES FOLLOWED BY (1) SMALL BE PER ANNEX AS OF FPII-2002 SEC.3. A SEC.A. ON THIS DESIGN OF PARTIES FOLLOWED BY (1) SMALL BE PER ANNEX AS OF FPII-2002 SEC.3. A SEC.A. ON THIS DESIGN OF PARTIES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLLLY FOR THE TRUSS COMPONENT

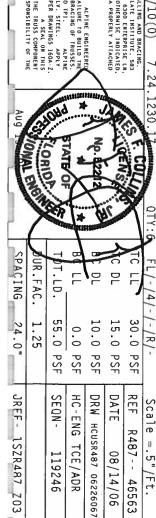
Alpine Engineered Products, Inc.

ALPINE

Haines City, FL 33844

DESIGN SHOWN. THE SUITABILITY AND USE OF BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. D2 SEC.3.

A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE



TCE / ADR 119246

08/14/06

HIS DWG PKEPAKED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Aug

SPACING

SEF ABOVE

JREF -

1SZR487 Z03

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

Left end vertical not exposed to wind pressure

Hipjack supports 1-4-8 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,.$ 

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

IN LIEU OF CHORD TC BC

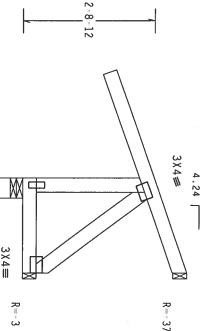
STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

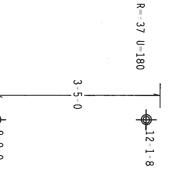
SPACING(IN OC)

24

-2.17
1
22
0.00
1

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







1.5X4 ■

-2-1-7 1-11-5 Over 3 Supports R-204 U-180 W-4.95

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

24.1230

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

REF

R487-- 46565

Scale

=.5"/Ft.

DATE

08/14/06

TYP.

Wave

**MARN. 1105** IRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR. SUTIE 200. MADISON, WI 53719) AND MICA (MODO RUSS COUNCIL OF MERICA, 6300 EMERPRISE UM, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A 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.

ANY FAULUTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLURE TO BUILD PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION, SHEPPING, INSTALLING & BRACING OF TRUSS TRUSS IN COMPONENT HIT PET: OF FABRICATION, HOLD, SHEPPING, INSTALLING & BRACING OF TRUSS DESIGN COMPONENT HIT APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRAY) AND TP. ALP CONNECTION PARTS ARE MADE OF 20/18/166A (4-H/S/T), ASTH AGAS GRADE 40/60 (4. K/H.S) GALV, STEEL, APPLICABLE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE (OCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A, ANY INSPECTION OF PARTS FOLLOWED BY (1) SHALL BE FER AMEY AS OF TPI1-2002 SEC, 3. A SEAL ON THE DRAMING AND OF PARTS FOLLOWED BY (1) SHALL BE FER AMEY AS OF TPI1-2002 SEC, 3. A SEAL ON THE DRAMING AND THE SECONS S

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
"Gate of Jan # 567

DESIGN SHOWN. THE SUITABILITY BUILDING DESIGNER PER ANSI/TPI 1

IS THE RESPONSIBILITY OF

JREF -

1SZR487 Z03

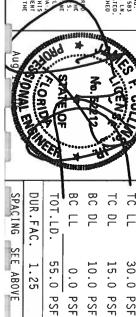
SEQN-

HC-ENG

TCE / ADR 119209

DRW HCUSR487 06226076

ALPINE



Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 :W3 2x4 SP IN LIEU OF CHORD TC BC BC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

9.90

42

0.00

3.48

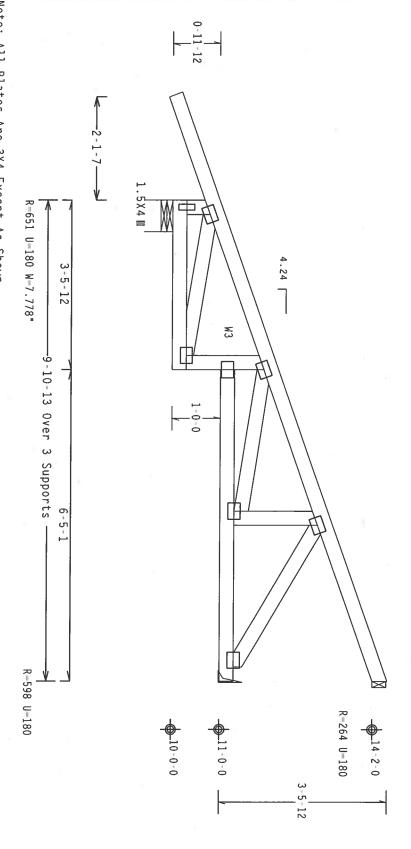
42

3.33

9.90 #2 Dense: 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide (2) 0.162x3.5" 16d Common toe-nails at Top Chord



Note: All Plates Are 3X4 Except As Shown.

TYP.

Wave

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

PSF

REF

R487-- 46566

Scale =.5"/Ft.

DATE

08/14/06

**WARNING** IRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING, INSTALLING AND BRACING. RETER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLICISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0 "OMOFRIO DN. SUJITE ZOO, MADISON, AU 153739) AND MICA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN, MADISON, AU 153739) AND MICA (MOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN, MADISON, AU 153739) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT***URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD YIERDS IN COMPENANCE WITH IF: ON FARRICALTING, HANDLING, SHIPPING, INSTALLING & BAACH OF TRUSSES DESIGN COMPENS WITH APPLICABLE PROVISIONS OF MS (ANTIONAL DESIGN ASPEC, BY AFAPA) AND IPI. APPLY COMPECTION PLAIRS ARE MADE OF 20/18/1606 A(M-M/S/N, ASTM ASS) BRADE 40/50 (M, K/M, S) GALV, SIEEL, APPLY PLAIRS TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER ORANINGS 160A. INDICATES DE 40/60 (H. K/H.S) GALY. STEEL. APPL THIS DESIGN. POSITION PER ORAWINGS 160A

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 "Gate of 4 5n # 567

DESIGN SHOWN. THE SUITABILITY AND USE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE



PSF

SEQN-

REV

JREF-

1SZR487 Z03

HC-ENG

TCE / ADR 80433

DRW HCUSR487 06226070

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END(FT)
TC 24 -2.17 1.94
BC 23 0.00 1.94 Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3

Provide ( 2 Provide ( 2

___

16d common nails (0.162"x3.5"), toe nailed 16d common nails (0.162"x3.5"), toe nailed

at Top chord. at Bot chord.

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

Hipjack supports 1-4-8 setback jacks with no webs

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

4.24 1.5X4 III ф2

1.5X4 III

R=17 U=180 R--57 U-180 1 - 8 - 0_12-0-0

1-11-5 Over 3 Supports R-204 U-180 W-11.314"

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

QTY:2

PLT TYP.

Wave

**WARNING** IRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'ONDERIO DR., SUITE ZOO, ANDISON, HI 53719) AND HICA (MODO TRUSS COUNCIL OF AMERICA, 6300 EMTERPRISE LIN MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INFORMED TO CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON 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 RUSSIST IN CONFORMANCE WITH FPI;

OR FABRICATION, HADDEL HE FOR WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFERA) AND TPI,

CONNECTOR FACES ARE MADE OF 20/18/16/26A, VH H/S/Y, ASTM ASSO GRADE 40/50 (H. K/H.S) AGALY. SIEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND. UNICES OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX AS OF TPI1-200Z SEC. 3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER HAMBEX AS OF TPI1-200Z SEC. 3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER HAMBEX AS OF TPI1-200Z SEC. 3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER HAMBEX AS OF TPI1-200Z SEC. 3. INDICATES ACCEPTANCE OF PROFESSIONAL ENGI

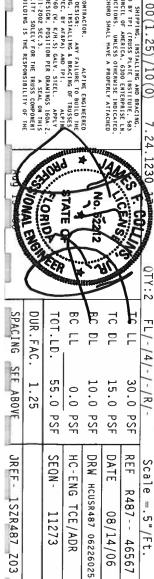
Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844

DESIGN SHOWN. THE SUITAL BUILDING DESIGNER PER ANSI

ALPINE

ANY BUILDING DZ SEC.3.

A SEAL ON THE SOLELY FOR THE TRUSS COMPONENT OF THE TRUSS THE PROPERTY OF THE



Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 IN LIEU OF CHORD TC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

END(FT)

2.44

-1.69

2.44

0.00

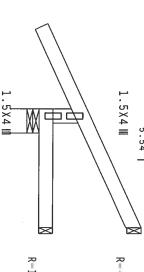
2.44

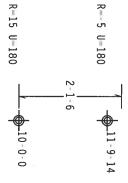
110 mph wind, 15.00 ft mean hgt, ASCE 7=02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Hipjack supports 1-8-11 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide (2) Provide (2) 16d common nails  $(0.162 \times 3.5)$ , toe nailed 16d common nails  $(0.162 \times 3.5)$ , toe nailed 1.5X4 III 5.54 at Top chord. at Bot chord. R=-5 U=180





R=153 U=180 W=5.953* 5-4 Over 3 Supports

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

DATE

08/14/06

REF

R487-- 46568

Scale = .5"/Ft.

PLT

TYP.

Wave

**MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BCSI 1-03 (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583) 0'HOMERIO DR., SUITE ZOO, MADISON, HI 53719), AND MOTAC (MODO) TRUSS COUNCIL OF ARERICA, 6300 ENTERPRISE IN, MADISON, HI 53719), FOR BOTTON TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTON CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. 7.24.1230

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FAULUSE TO BALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN:

ANY FAULUSE TO BALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN:

ANY FAULUSE TO BALL NOT BE RESPONSIBLE FOR THE PROPERTY OF THE TRUSSES OF THE PROPERTY OF THE TRUSSES OF THE PROPERTY OF THE PROPERTY OF THE TRUSSES OF THE PROPERTY OF THE PROPERTY OF THE TRUSSES OF THE PROPERTY OF THE TRUSSES O DESIGN, POSITION PER DRAWINGS 160A-

IS THE RESPONSIBILITY OF THE

JRFF-

1SZR487 Z03

SEQN-

119432

HC-ENG

TCE / ADR

DRW HCUSR487 06226029

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

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC.

ALPINE



Alpine Engineered Products, inc. 1950 Marley Drive Haines City, FL 33844 Bot IN LIEU OF STRUCTURAL PANELS OR CHORD SPACING(IN OC)
TC 24
BC 12 PLT TYP. chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 277 -- Isaac Construction ALPINE Wave **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 FALLING TO BULLO THE TRUSS. IN CONFORMANCE WITH TPI: OR FABRICATING, INANOLING, SUSTAN PPING, INSTALLING & BRACING OF JRUSSES.

DESIGN COMPORMS WITH APPLICABLE PROVISIONS OF ANDS (MATIONAL DESIGN SPEC, MATAPA) AND TPI.

CONNECTION PLATES ARE MADE OF ZO/JB/JGGA (N'H/S/J) ASTH ASSO GAADE 40/50 (N'K/H/S) GALV. SIEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 160A. Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-ZOOZ SEC J.

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ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF FPII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

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ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

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ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J.

ANY INSPECTION OF PLATES FOR THE PER ANNEX AS OF PII-ZOOZ SEC J. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SUPPPING, INSTALLING AND BRACING.

REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PALLING AND BRACING.

D'ONDERIO DR. SUITE ZOO, HADISOM, HI 53719) AND MICA (HODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANDISON, HI 53719) FOR SAFETY PRACTICES PRIOB TO PRECOMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. DESIGN SHOWN. THE S BUILDING DESIGNER PER Buchs RIGID CEILING USE PURLINS:
) START(FT) END
-1.57 1
0.00 1 **★**1-6-0-**>** σ 1-0-0 Over 3 Supports Design Crit: R=330 U=180 W=5.5" END (FT) 1.00 1.00 R=51 U=180 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25) /10(0) R=-114 U=180 ONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE 9-0-0 Provide Provide 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. 2 ) 16d common nails(0.162"x3.5"), ) 16d common nails(0.162"x3.5"), CORIOT QTY:16 FL/-/4/-/-/R/-BC LL DUR.FAC. BC DL TC DL F TOT.LD. toe 55.0 10.0 30.0 1.25 15:0 PSF 0.0 PSF nailed nailed PSF PSF PSF at Top chord. at Bot chord. REF SEQN-DATE HC-ENG DRW HCUSR487 06226035 Scale R487-- 46571 =.5"/Ft. TCE/ADR 119188 08/14/06

SPACING

24.0"

JRFF-

1SZR487 Z03

IHIS UNG PKEPAKEU FKUM CUMPUTEK INPUT (LUAUS & DIMENSTONS) SUBMITTED BY TKUSS MFK

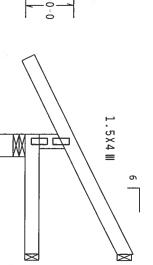
g

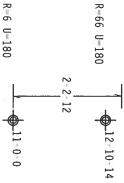
Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #2 Dense Z V LIEU OF CHORD TC BC END (FT) 2.46 2.46 2.46

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

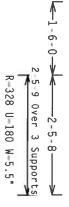
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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









Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

QTY:2

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

Scale =.5"/Ft

PLT

TYP.

Wave

**#ARRING** FRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING.
RETER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FIT (TRUSS PLATE INSTITUTE, 583)
O'UNDERIO DR., SUITE 200. HADISON, HI 53213) AND HICCA (MOOD TRUSS COUNCIL OF AMERICA, 5000 ENTERPRISE LR,
MADISON, HI 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 CONFORMACE WITH PEI:

RUSS IN CONFORMACE WITH PEI:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AREA), AND TPI.

CONNECTOR PLATES ARE MADE OF 20/19/16AC (M-H/S/S) ASTH MASS GAADE 40/50 (M. K/H.S) GALV, STEEL.

PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERNISE LOCATED ON THIS DESIGN, POSITION PER DRAH/HGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX A 30 FPI1: 2002 SEC. 3.

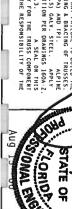
ASSEAL ON THIS DESIGN OF PLATES HAS LITED AND THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABLELITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABLELITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ALPINE



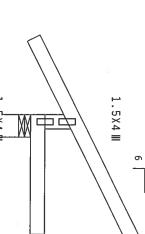
	ENG	OF SEE	e K		100	Y
SPACING	DUR.FAC.	TOT.LD.	BC.LL	BC DL	TC DL	דכ רר
24.0"	1.25	55.0 PSF	0.0 PSF	10.0 PSF	15.0 PSF	30.0 PSF
JRFF- 1SZR487 Z03		SEQN- 11161	HC-ENG TCE/ADR	DRW HCUSR487 06226003	DATE 08/14/06	REF R487 46574

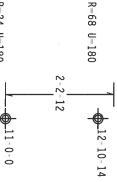
IN LIEU OF STRUCTURAL PANELS OR CHORD SPACING(IN OC)
TC 24
BC 29 chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #2 Dense RIGID CEILING USE PURLINS:
START(FT) END
-1.57 2 END(FT) 2.46 2.46

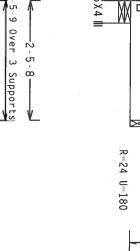
> pst. 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-7.5 psf, wind BC DL-5.0

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide Provide ~~ 16d common nails(0.162*x3.5*),
16d common nails(0.162*x3.5*); toe nailed toe nailed at Top chord. at Bot chord.







Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) R-342 U=180 W-5.5" **1**-6-0-√

2-5-8-

PLT TYP.

Wave

**MARNING** TRUSSES REGUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING.
REFER TO BOSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503)
D'ONOFRIO BR., SUITE 200, MADISON, HI 53319) AND WICA (MODO TRUSS COUNCIL OF AMERICA, 500 ENTERPAISE LE,
MADISON, HI 53719) FOR SAFETY PRACTICES PRION 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.

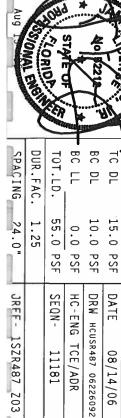
**IMPORTANT**GURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFERNANCE WITH THE THE FRANCE HARD FAILURE THE THIS SESSON OF THE FRANCING OF TRUSSES.

DESIGN CONFORTS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI. APPLY CONFECTOR PLATES ARE MADE OF 20/19/1648 (M.H.YG.) ASTM AGGS GRADE 40/50 (M.H.YG.) GAV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNITES OTHERWISE OF THE TRUSSES OF THE MADE THE TRUSSES OTHERWISE OF THE TRUSSES OF THE MADE THE TRUSSES OTHERWISE OF THE TRUSSES OF THE MADE THE TRUSSES OF THE TRUS DRAWING INDICATES ACCEPTANCE OF PROI DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/TPI 1 SEC. Z.

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

ALPINE





TCE / ADR 11181

1SZR487 Z03

QTY:4

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

TC LL

30.0

PSF

REF

R487-- 46576

08/14/06

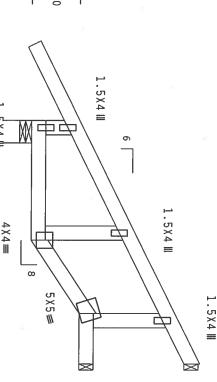
Scale =.5"/Ft.

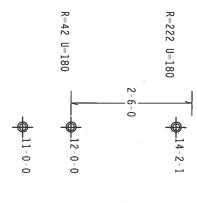


110 mph wind, 15.00 ft mean hgt, ASCE 7–02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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





=463 U=180 W=5.5" -5-0-0 Over 3 Supports 2-5-8 1-6-0 1-0-8

**1**-6-0-√

1.5X4 III

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT

TYP.

Wave

**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, 983 D'ONDERIO DR. SUTTE ZOO. ANDISON, HI 53719) AND HICA (MODO TRUSS COUNCIL OF AMERICA, 6300 EMTERPRISE UN MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE HICLATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGIO 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 FALLURE TO BUILD THE ROSULES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. NAY FALLURE BEAGING OF BUSINES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI.

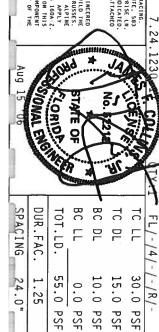
CONNECTION PALES ARE ALGO DE 20/19/16/CA, (M.H/S/M.) ASTIM AGS GAADE 40/50 (M. K/H.S) GAU, STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. DUMESS OTHERNISE LOCATED ON THIS DESIGN. POSITION PER DRAMINGS 160A-Z. ANY INSPECTION OF PLATES POLLOWED BY (1) SHALL BE PER ANKEX A DO TPIT-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN.

DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUSINGS SHOWN.

HE SUITABLIFT AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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

ALPINE



SEQN-

HC-ENG

TCE/ADR 11209

DRW HCUSR487 06226093

JREF -

1SZR487 Z03

DATE REF

08/14/06

Scale =.5"/Ft.

R487-- 46577

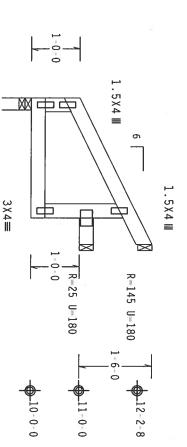
SPACING

24.0"

JREF -

1SZR487_Z03

Top chord 2x4
Bot chord 2x4
Webs 2x4 IN LIEU OF 6 277 - Isaac Construction STRUCTURAL PANELS SPACING(IN #2 Dense #2 Dense #3 29 29 8 LS OR RIGID CEILING USE PURLINS:
IN OC) START(FT) END(FT)
0.00 3.00
0.00 2.46
2.31 2.31
2.31 3.00 Buchs J3S2 ) Provide Provide 110 mph wind, 15.00 ft mean hgt, ASCE 7–02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. 16d common nails(0.162"x3.5")
16d common nails(0.162"x3.5") בחייטי (בעחמי ע מזוובחיסונטוט) יסטוונוונכט טו ומטים ווועי toe nailed toe nailed at Top chord at Bot chord



2-5-8 3-0-0 Over 3 Supports R=170 U=180 W=3"

1.5X4 III

Design Crit: TPI-2002(STD)/F8C Cq/RT=1.00(1.25)/10(0)

TYP.

""MARNING" INUSSES REQUIRE EXTREME CARE IN FABRICATION, MANDLING, SHIPPING, INSTALLING AND BRACING, RETER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583) D "OHOFRIO BRA. SUITE ZOD. MADISON, NI 153719), NO DICA (MODOD TRUSS COUNCIL OF AMERICA, 6300 ENTERRISE LN, MADISON, NI 153719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A 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.

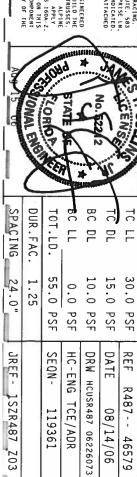
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR NAY DEVIATION FROM THIS DESIGN: ANY FALLURE TO BUILD THE TRUSS IN COMPONENCE WITH PELL OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF PRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (HATIONAL DESIGN SPEC, BY AFRA) AND TPI. APPLY CONNECTOR PLATES ARE HANG OF 20/103/166A, (H.H.YSLY) ASIH MGSS GRADOG 40/50 (H. Y.H.S.) GALV, STEEL, APPLY PLATES TO EACH FACE OF TRUSSS. AND, UNLESS OTHERNISE LOCATED ON THIS DESIGN. POSITION FOR BRANINGS SGAA-Z.

ANY HISPECTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANKEX AS OF TPIL 2002 SEC. 3.

A SEAL ON THIS DESIGN SHOWN.

THE SUITABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING 15 THE RESPONSIBILITY OF THE BUILDING DESIGNEEP PER ANSI/FPI 1 SEC. 2.

ALPINE



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

Scale =.5"/Ft.

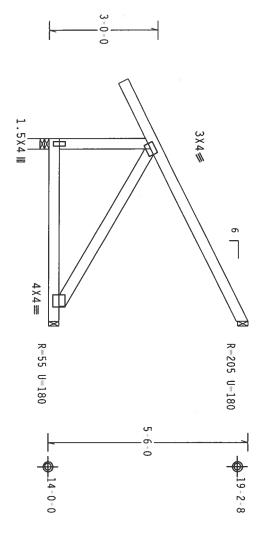
SPACING

24.0"

JREF-

1SZR487 Z03

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 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. Creep increase factor for dead load is 1.50. 6 277 -- Isaac Construction Buchs J5D ) Provide ( Provide ( 110 mph wind, 17.84 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. ~ ~ ) 16d common nails(0.162"x3.5"), ) 16d common nails(0.162"x3.5"), דיוו הי לרמטמה מי מדוורעוסדמעום! המחודוורם חו ועחקה ווועי toe nailed toe nailed at Top chord. at Bot chord.



R-461 U-180 W-3.5* ←5=0-0 Over 3 Supports →

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

QTY:2

R487-- 46582

08/14/06

TCE / ADR

119267

PLT TYP.

Wave

***MARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHEPHER, INSTALLING AND BRACHE.

REFER TO BEST 1 DO 3 (BUILDING COMPORENT SAFETY INFORMATION). PUBLISHED BY FF (TRUSS PARE INSTITUTE. SM3
D'OMORFIG OR. SUITE 200, AND ALCA MATERIAL (MODO TRUSS COUNKIL FOR MERICA, 6300 EMERPRISE LM,
MADISON, MI 5379) FOR SAFETY PRACTICES PRIDED TO PERFORMING INSES FUNCTIONS. UNLESS OTHERWISE INDICATED.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGIO CEILING.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. INSTALLING & BRACING OF RUSSES, DESIGN COMPOREMENT HAPPLICABLE PROVISIONS OF MIDS (MATIONAL DESIGNE SPEC, BY AFRAD, AND TP). COPIECTOR PLATES ARE AND OF POLYES FOR ANY STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. DIMESS OFFENSES (DATE OACH BY BOSITION PER DRAWLINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERY AS OF TRUSS COMPONENT FRUSS COMPONENT

Alpine Engineered Products, Inc 1950 Marley Drive

on # 567

BUILDING DESIGNER PER ANSI

ALPINE

RESPONSIBILITY OF BC DL BC LL TC DL TC LL DUR.FAC. SPACING TOT.LD. FL/-/4/-/-/R/-24.0" 55.0 1.25 10.0 PSF 15.0 PSF 30.0 PSF 0.0 PSF PSF DATE REF JREF-SEQN-HC-ENG DRW HCUSR487 06226064 Scale = .375"/Ft.

1SZR487

Z03

MIS UWG PKEPAKEU PKUM CUMPUTEK INPUT (LUAUS & UIMENSIUNS) SUBMITTED BY TKUSS MPK.

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W1 2x4 SP
:Lt Stubbed Wedge 2x6 SP #2: 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. #2 Dense:

(A) Continuous lateral bracing equally spaced on member

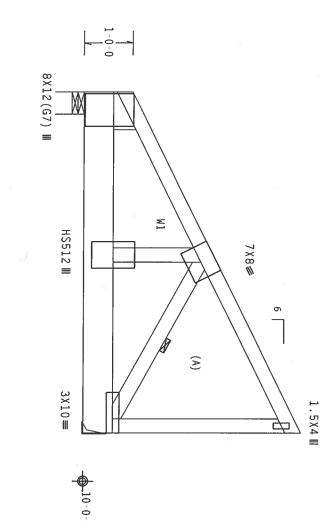
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide connection for concentrated load(s) shown

PLATE E DUR.FAC.= 94 PLF at 20 PLF at 1.25) 7.00 7.00

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.00 7
BC 84 0.00 7 Right end vertical not exposed to wind

pressure.



0

R=2662 U=180 W=5.5" 7-0-0 Over 2 Supports R=2753 U=180

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

30.0

PSF

REF

R487-- 46586

08/14/06

Scale =.5"/Ft.

PLT

TYP.

20 Gauge HS,

Wave **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'ONOFFIO DR., SUITE 200, ANDISON, HI 53719) AND HICA (MODO BRUSS COUNCIL OF AMERICS, 6300 ENTERPRISE LM.
MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOLOKATED.
TIOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

**PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALURE TO BUILD IT IT SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALURE TO BUILD IT IT RUSS IN COMPORANCE WITH PI:

**RUSS IN COMPORANCE WITH PI:

**CONNECTOR PLATES ARE MADE OF 20/18/10/80 OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND ITPL.

**CONNECTOR PLATES ARE MADE OF 20/18/10/80 OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND TEPL.

**APPLIANCE TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A.

**APPLIANCE TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A.

**APPLIANCE TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A.

**APPLIANCE TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A.

**APPLIANCE TO EACH FACE OF TRUSS AND THE SOULD PER PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OR NATY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FP1 1 SEC. 2.

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

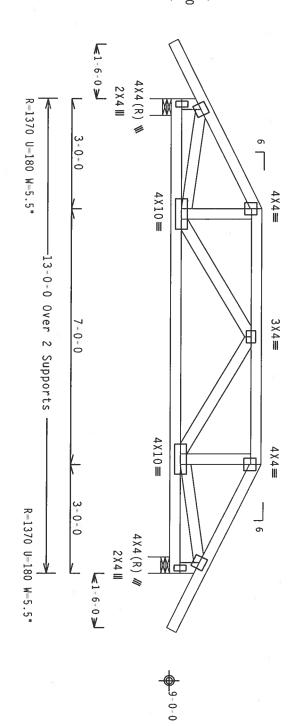
ALPINE

TC DL PACING C DL JR. FAC. 55.0 24.0" 1.25 10.0 PSF 15.0 PSF 0.0 PSF PSF JREF-SEQN-DATE HC-ENG DRW HCUSR487 06226006 1SZR487 TCE/ADR

119580

Z03

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END(FT)
TC 24 -1.57 14.57
BC 120 0.00 13.00 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50. SPECIAL LOADS Provide connection for concentrated load(s) shown rom 94 PLF at -1.63 t rom 4 PLF at -1.63 t rom 20 PLF at 0.00 t rom 4 PLF at 13.00 t 145 LB Conc. Load at 5 78 LB Conc. Load at 5 78 LB Conc. Load at 3 31 LB Conc. Load at 3 (LUMBER DUR.FAC.=1.25 5.006 5.006 6.006 6.006 E DUR.FAC.=1.25)
94 PLF at 14.63
4 PLF at 0.00
20 PLF at 13.00
4 PLF at 14.63 4 PLF 9.94 6.50, 9.94 7.94 7.94



0TY:1FL/-/4/-/-/R/-Scale =.375"/ft.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FALLURE TO BUILD IT
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALLURE TO BUILD IT
TRUSS IN CONFORMANCE ATIN FPI;
OF FARBICACHIG, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSE
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFRA) AND TPI.
ORNECTOR PLATES ARE MADE OF 20/103/166A (M-M/SYM) ASTH AGS 3 GANDE 40/50 (M-K/H.5) GALV SIEEL, APPL
CONNECTOR PLATES ARE MADE OF 20/103/166A (M-M/SYM) ASTH AGS 3 GANDE 40/50 (M-K/H.5) GALV SIEEL, APPL
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON HIS DESIGN POSITION PER BRAINGS 16AG 104 HIM. LURE TO BUILD THE

PLT

TYP.

Wave

Design Crit:

TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

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

ALPINE

RIGIO CEILING.

BC LL BC DL DUR.FAC. TC DL TC LL SPACING TOT.LD. 55.0 30.0 24.0" 1.25 10.0 PSF 15.0 PSF 0.0 PSF PSF PSF SEQN-DATE REF JREF -HC-ENG DRW HCUSR487 06226001 R487-- 46587 1SZR487_Z03 TCE / ADR 119236 08/14/06

Top chord 2x4 SP #2 Der Bot chord 2x8 SP SS Webs 2x4 SP #3 :Lt Slider 2x6 SP #2: E :Rt Slider 2x6 SP #2: E SPECIAL LOADS Provide connection for concentrated load(s) shown From (LUMBER DUR.FAC.=1 ER DUR.FAC.=1.25 / F 94 PLF at -1.63 to 4 PLF at -1.63 to 20 PLF at 0.00 to 20 PLF at 13.00 to 4 PLF at 13.00 to LB Conc. Load at 7 LB Conc. Load at 9 #2 Dense SS BLOCK LENGTH = 3 to 3 to 1 to 7.06 9.06, PLATE E DUR.FAC.=1.25)
94 PLF at 14.63
4 PLF at 0.00
20 PLF at 13.00
4 PLF at 14.63 11.06

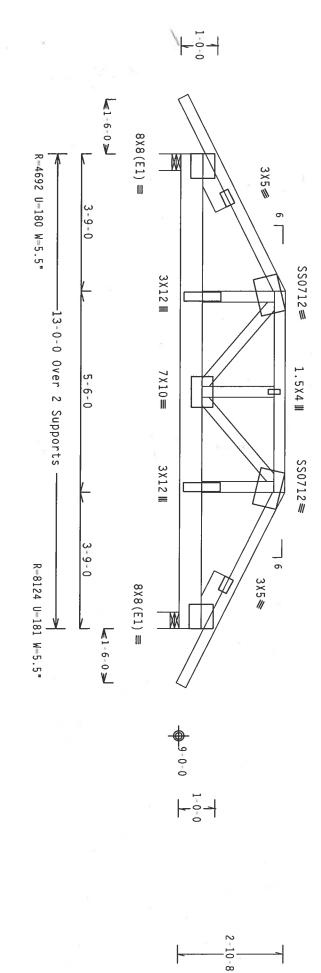
> COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Box_or_Gun_(0.128*x3.25*,_min.)_nails)
Top Chord: 1 Row @12.00* o.c.
Bot Chord: 2 Rows @ 3.50* o.c. (Each Row)
Webs : 1 Row @ 4* o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

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

IN LIEU OF CHORD TC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
SPACING(IN OC) START(FT) END END (FT) 14.57 13.00

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

PLT

TYP.

18 Gauge

, SH

Wave

**MARN. MG** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, MANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 883 D'OMOFRIO DR. SUITE 200, MADISON, WI 53719) AND WICA (MODO TRUSS COUNCIL OF AMERICA, 6300 EMERGRAISE IN 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 DELYLATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE FRUSS IN CONFORMANCE WITH 1P1:

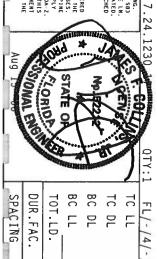
OF FARTCALTING, HANDLING, SHIPPING, INSTALLING A BRACIPRO OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY ATRA), AND TPI, CONNECTION PAIRS ARE MADE OF 20/18/16GA (W.H./S/K), ASTH A653 GRADE 40/60 (W. K/M.3) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWHINGS 166A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF FP11-2002 SEC.3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF FP11-2002 SEC.3.

ORANHOG INDICARES ACCEPTANCE OF PROFESSIONAL TREGINEERING RESPONSIBILITY SOLICLY FOR THE TRUSS COMPONENT OF THE OBSTONATION OF THE PLATE OF THE TRUSS COMPONENT OF THE PLATE OF THE TRUSS COMPONENT OF THE PLATE OF THE PLAT

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

ALPINE



		-	THE PARTY	Hillian		1
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24 0"	1.25	55.0 PSF	0.0 PSF	10.0 PSF	15.0 PSF	30.0 PSF
JRFF- 1S7R487 703	2000	SEQN- 120204	HC-ENG TCE/ADR	DRW HCUSR487 06226013	DATE 08/14/06	REF R487 46588

Scale

=.375"/Ft

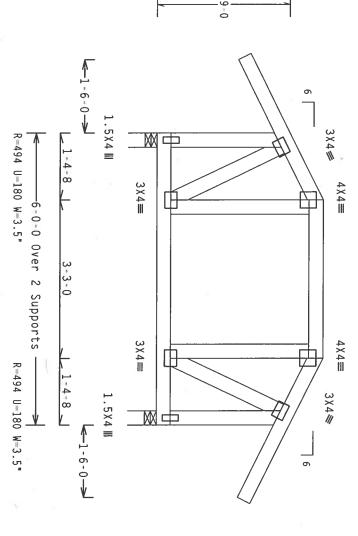
Top Bot chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3

End verticals exposed to wind pressure. Deflection meets  $\ensuremath{\mathsf{L}}/240$  criteria for brittle and flexible wall coverings.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 -1.57 7
BC 72 0.00 6 END(FT) 7.57 6.00



ò

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

PLT TYP.

Wave

RIGID CEILING. "***MARNING-** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDING. SHPPING, HSTALLING AND BRACING.
RETER TO RESEL TO 3 (BUILDING COMPONEN SAFETY HANDRAMATOR). PUBLISHED BY TPI (IN USS FARE INSTITUTE. 503)
D'ONDFRIO DR.. SUITE 200. MADISON. WI 53715) AND WICK (MOOD TRUSS COUNCIL OF AMERICA, 5000 KHERPRISE LN.
MADISON. WI 53715) FOR SAFETY PARCITEES PRIOR TO PERFORMING INESE THRICTIONS. UNESS OTHERNES INDICATED.
TOP CHORD, SHALL HAVE PROPERTY ATTACHED STRUCTUMA FAMELS AND GOTTOM CHORD SHALL HAVES OTHERNES THRICKHED.

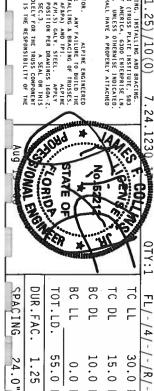
**IMPORTANT***URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION KRON THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE AITH FPI:

OF FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMANCE AITH FPI:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (HATIONAL DESIGN SPEC, BY ATERA) AND TPI.

CONNECTOR PLAIRS ARE MADE OF 20/18/160A (H.H.YS) ASTH AGSS GANDE 40/50 (H.K.H.S) CALLY, STEEL, APPLY PLAIRES ARE MADE OF 20/18/160A (H.H.YS) ASTH AGSS GANDE 40/50 (H.K.H.S) CALLY, STEEL, APPLY PLAIRES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN FOR DESIGN BRANDES 160A -Z. DRAWING INDICATES ACC DESIGN SHOWN. THE S BUILDING DESIGNER PER

ALPINE



55.0 30.0 24.0" 1.25 10.0 PSF 15.0 PSF 0.0 PSF PSF PSF JREF-SEQN-DATE REF HC-ENG DRW HCUSR487 06226065 R487-- 46589 1SZR487 Z03 TCE/ADR 119222 08/14/06

Scale =.5"/Ft.

Top Z LIEU OF chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 CHORD TC BC STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

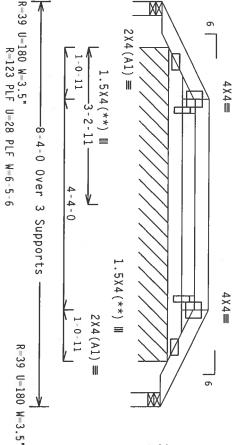
END
0.33
8
74
1.09
7 END(FT) 8.01 7.24

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor—for dead load is 1.50.





**MARNING** PRUSES REDUIRE EXTREME CARE IN PARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'ONDERIO DR., SUITE 200, HADISON, WI 53719) AND NICA (NOOD TRUSS COUNCIL OF AHERICA, 6300 ENTERPRISE IN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP PURORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERD PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM HIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH HE!

OF ABBECTAING, HANDLING, SHEPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPORNS WITH APPLICABLE PROVISIONS OF AND SHATIONAL DESIGN SPEC, BY ATERA), AND ITE!

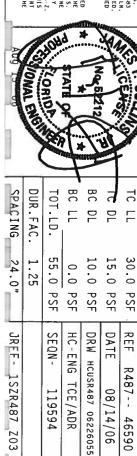
CONNECTOR PLATES ARE MADE OF 20/18/1604 (M H/S/Y), ASTH AGES GRADE 40/50 (M, K/M.S) GALV. SITELL. APPLICABLE TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWHOS 100A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX, AS OF PD11-2002 SEC.3.

A SEAL ON THIS DRAWHOS INDEXES AND SHATION OF THE STATES COMPONENT FOR THE TRUSS COMPONENT FOR THE STATES COMPONENT FOR THE TRUSS COMPONENT FOR THE STATES COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE BUILDING DESIGNER PER

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

ALPINE



TCE/ADR

119594

1SZR487 Z03

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

Scale =.5"/Ft.

R487-- 46590

08/14/06

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

CHORD SPACING(IN OC) START(FT) END

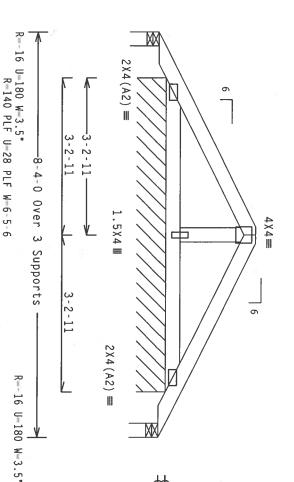
TC 24 0.33 8

BC 74 1.09 7 chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3 END(FT) 8.01 7.24

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



1-10-4

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

QTY:1

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

Scale =.5"/Ft. R487---

DATE REF

08/14/06 46591 PLT TYP.

Wave

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, AMADELING, SHIPPING, INSTALLING AND BRACING.
REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 583
D'OMOFRIO DR. SUITE 200, HADISON, HI 53719) AND HICA (MODO RUSS COUNCIL OF AMERICA, 6300 EMERGENES U.M.
ADISON, HI 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. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI:

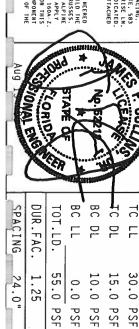
OF FABRICATING, HANDLUNG, SHPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AND SMATIONAL DESIGN SPEC, BY ATEPA) AND TPI.

ALPINE CONNECTOR PLAITS ARE HADE OF 20/18/166A (M.H./S/K) ASTH ASSS ARABE 40/50 (M.K./M.S) GALV. STEEL. APPLY PLAITES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2

ANY INSPECTION OF PLAITS FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN. DRAWING INDICATES ACC DESIGN SHOWN. THE S BUILDING DESIGNER PER SOLELY FOR THE TRUSS COMPONENT

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 Cate of a m # 567

ALPINE



JREF -

1SZR487

203

SEQN-

HC-ENG

TCE / ADR 119603

DRW HCUSR487 06226050

B, wind TC

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

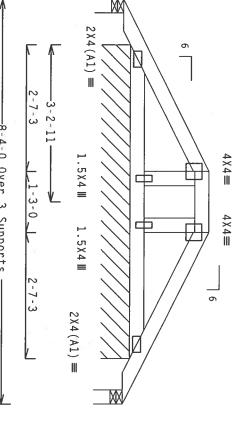
IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 0.33 8
BC 74 1.09 7

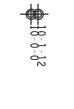
END(FT) 8.01 7.24

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED located within 4.50 ft from roof edge, CAT II, EXP DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.





U=180 W=3.5" R=134 PLF U=28 PLF W=6-5-6 -8-4-0 Over 3 Supports -4 U=180 W=3.5*

R=3

Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

QTY:1

PLT

TYP.

Wave

RIGIO CEILING.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH FPI:

OF FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF BUSICES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, MATERA), AND TPI.

CONNECTOR PLATES ARE HADE OF ZO/IB/16GA (M.H./SY), ASTH A653 GRADE 40/50 (M. K/M.3) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWNASS 16GA.2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A.3 OF FPI1-2002 SEC.3.

ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A.3 OF FPI1-2002 SEC.3.

A SEAL ON THIS

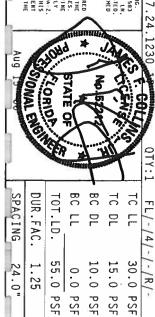
SOLELY FOR THE TRUSS COMPONENT IG IS THE RESPONSIBILITY OF THE Aug

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 "Cate of 1" 1991 # 567

DESIGN SHOWN. THE SULLABLE IN THE BUILDING DESIGNER PER ANSI/TPI 1 SEC.

INDICATES

ALPINE



	ENG	OFFICE		
SPACING	DUR.FAC.	TOT.LD.	BC LL	→ BC DL
24.0"	1.25	55.0 PSF	0.0 PSF	10.0 PSF
JREF - 1SZR487 Z03		SEQN- 119617	HC-ENG TCE/ADR	DRW HCUSR487 06226053

DATE REF

Scale =.5"/Ft.

R487-- 46593 08/14/06

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END
TC 24 -1.57 12
BC 120 0.00 11 END(FT) 12.86 11.29

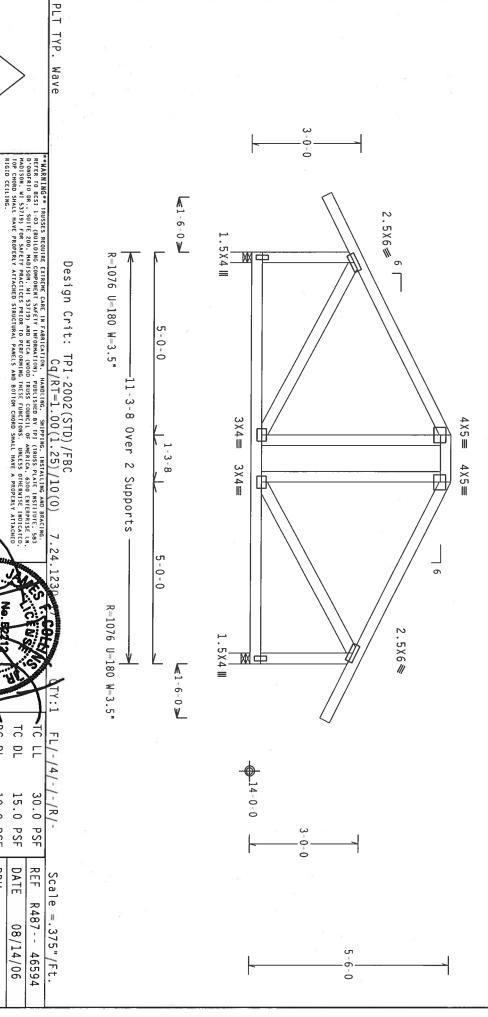
#1 hip supports 5-0-0 jacks W/2 panel TC and no end vert.

End

verticals not exposed to wind pressure

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.





Alpine Engineered Products, inc. 1950 Marley Drive Haines City, Ft. 33844

DRAWING INDICATES ACCEPTANCE OF PROFI DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC.

ALPINE

***IMPORITANT***QUENTS** A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER
PRODUCTS. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALUNE TO BUILD
TRUSS HE CONFORMANCE WITH THE PROVISIONS OF ANY CALVES, AND THE STALLING A BRACING OF TRUSSES
DESIGN CONFORMS WITH APPICABLE PROVISIONS OF MOS (MATIGNAL DESIGN SPEC. BY AFRA) AND THE APPICABLE FOR THE APPICABLE FOR CONFORMS ATTEM APPICABLES AND AND THE APPICABLE SAME AND OF 20/12/16/06 (W.H.Y.S.M. SAME SAME SAME CONFORMS AND . UNICES OTHERWISE, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.
MY HASPECTION OF FLATES FOLLOWED BY (1) SHALL BE PER AMERY AS OF TPIL-2002 SECS.IT A SEC. AND IN

SEAL ON THIS

ALC LL

30.0

PSF

R487-- 46594

DATE REF

08/14/06

BC LL BC DL TC DL

0.0 PSF PSF

HC-ENG

TCE / ADR 119313

10.0 PSF 15.0 PSF

DRW HCUSR487 06226078

55.0

SEQN-

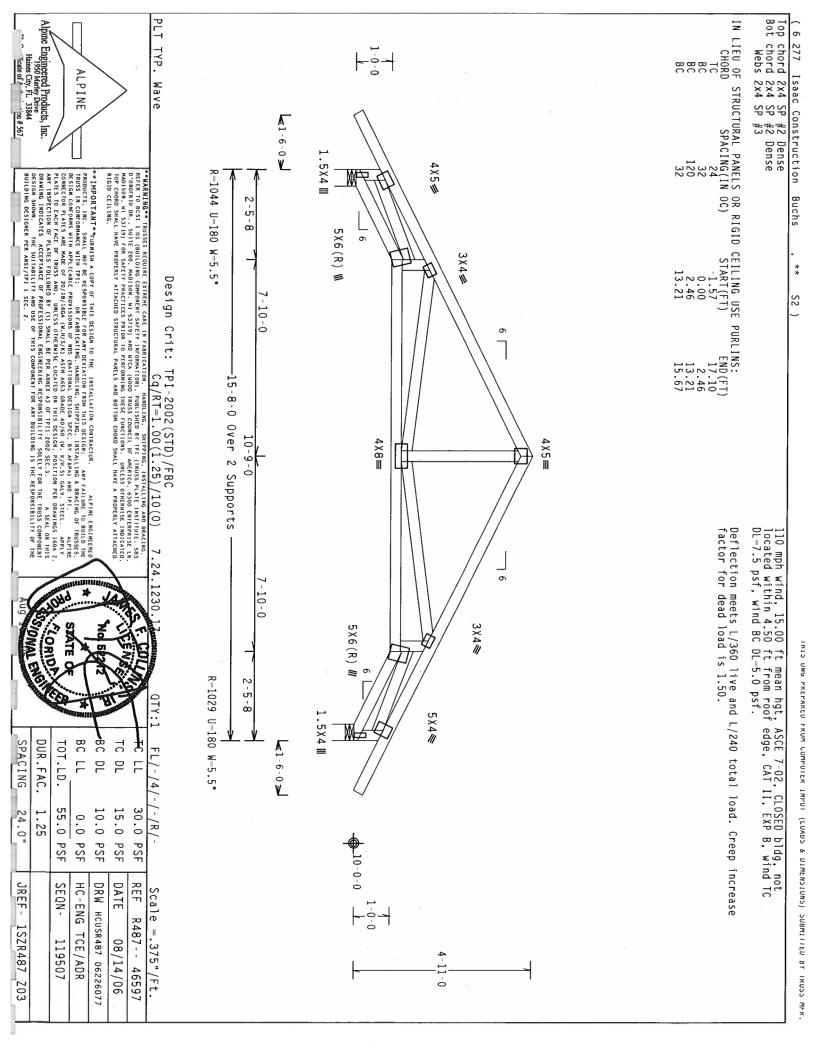
SPACING DUR.FAC. TOT.LD.

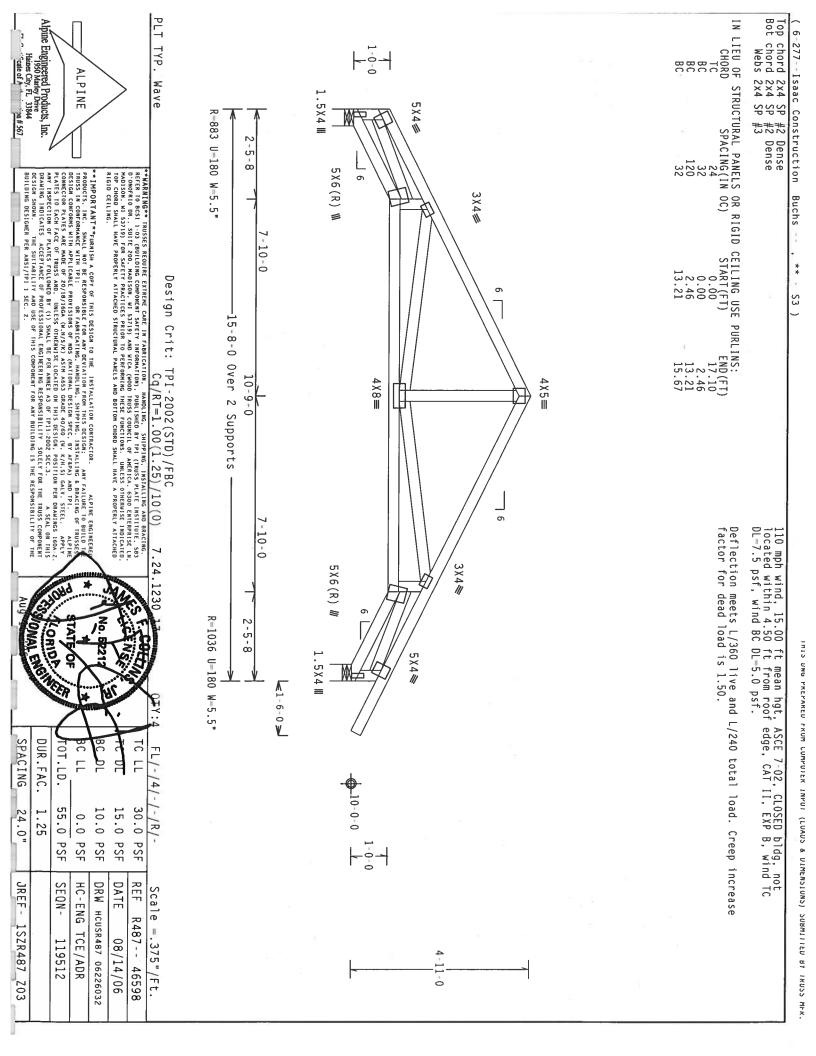
SEF ABOVE

JREF -

1SZR487 Z03

1.25





Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 Left end vertical not exposed to wind pressure Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,.$ 6-277--Isaac Construction TYP. ഗ 6-0 ALPINE Wave 1.5X4 **Ⅲ** 3 X 4≡ R=872 U=180 W=3.5" **IMPORTANT**PURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD IT TRUSS IN CONFORMANCE HITH FP!. OR FARRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MS (MATIONAL DESIGN SPEC, BY AFRA) AND TP!. CONNECTOR PLATES ARE MADE OF 20/18/16GA (M.H/S/K) ASTH A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLICABLE FOR THIS DESIGN. OF THIS DESIGN. POSITION PER DRAMINGS 16GA. ****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING NOT PRIPING. INSTALLING AND BRACING.
REFER TO BEST JOST (BUILDING COMPONENT SAFETY HINDOMENTION), PUBLICHED BY THE (FRISS FALE INSTITUTE. 583
D'ONDEFRIO DR. SUITE ZOO, HADISON, MI 5319), AND MICA (MODD TRUSS COUNCIL OF MERICA, 6300 ENTERPRISE LIN,
MADISON, MI 5319) FOR SAFETY PRACTICES PRIOR TO PERFORMING INTEST COUNCIL NICES OTHERMESE HINDOMENT
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BUTTON CHORD SHALL HAVE PROPERLY ATTACHED. BUILDING DESIGNER PER RIGID CEILING. Buchs 6-6-0 Design Crit: \$4 15-6-0 Over 4×8≡ 4×6≡ TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) Ν Supports 9 3×4₩ -0-0 IN LIEU OF CHORD TC BC 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf. STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

SPACING(IN OC)

START(FT)

END(FT)

0.00

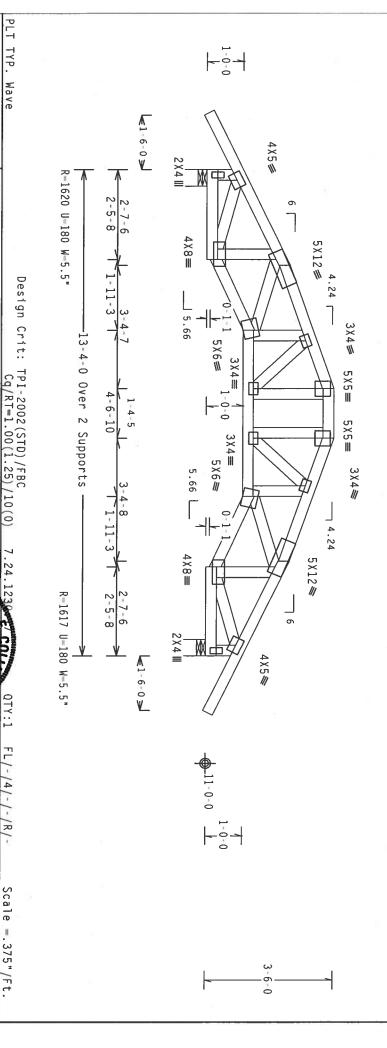
17.07

0.00

15.50 R-1041 U-180 W-5.5" וחוט טאש דאבראאפט דאטיה נטיירטונא ואיטו (LUADS & DIMENSIONS) SUBMILIED BY IKDSS אדא. 3 X 4≡ **1**-6-0 € BC DL TC DL DUR.FAC. # F SPACING TOT.LD. FL/-/4/-/-/R/-55.0 15.0 30.0 PSF 24.0" 1.25 10.0 PSF 0.0 PSF PSF PSF REF JREF -SEQN-DATE HC-ENG DRW HCUSR487 06226033 Scale = .375"/Ft. R487-- 46599 1SZR487 Z03 TCE/ADR 08/14/06 119522

	41		load is 1.50.	factor for dead
	51 LB Conc. Load at (5.99,12.04), (	l load. Creep increase	Deflection meets L/360 live and L/240 total load. Creep increase	Deflection meets
	78			
	PLB- 44 LB Conc. Load at (2.62,11.21), (10.72,11.21)			80
	224			000
	193 LB Conc. Load at (5.99,14.46), (7.			800
	143		26	800
	68 LB Conc. Load at (2.62,13.26), (10	0.00 2.46		
	4 PLF at 13.33 to 4 PLF at 14			10
	22 PLF at 8.82 to 20 PLF at 13		SPACING(IN OC) STA	CHORD
	20 PLF at 4.39 to 20 PLF at 8	CEILING USE PURLINS:	IN LIEU OF SIRUCIURAL PANELS OR RIGID CEIL	IN LIEU OF SIRUC
	to 22			
<u></u>	4 PLF at =1.63 to 4 PLF at 0		d BC DL=5.0 psf.	DL-/.5 pst, wind
ä	94 PLF at 10.72 to 94 PLF at 14	edge, CAT II, EXP B, wind TC	located within 4.50 ft from roof edge, CAI	located within 4
	92 PLF at 5.99 to	, CLOSED bldg, not	5.00 ft mean hgt, ASCE /-02	ILO mph wind, 15
	<ul><li>From 92 PLF at 2.62 to 92 PLF at 5</li></ul>			
=3			#3	Webs 2x4 SP
	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)		#2 Dense	chor
	SPECIAL LOADS		d 2x4 SP #2 Dense	Top chord 2x4 SP

Provide connection for concentrated load(s) shown.



Alpine Engineered Products, Inc.

NG INDICATES

ALPINE

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPONEME HITH TPI: OF FABRICALTHIC, HANDLING, SHPPHG, INSTALLING & BRACING OF TRUSSES, DESIGN COMPONENCE HITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, DAY STEP). AND TPI. COMMECTOR PAIRES ARE MADE OF 20129/1606, (M. H/S/J.) ASTH MASS GRADE 40/50 (M. K/H.S) GALLY. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 180A. Z.

BC LL

0.0

HC-ENG

TCE / ADR 11221

10.0 PSF 15.0 PSF 30.0 PSF

DRW HCUSR487 06226002

55.0

PSF PSF

SEQN-

SPACING DUR.FAC. TOT.LD.

24.0" 1.25

JREF -

1SZR487 Z03

TC DL 

> DATE REF

08/14/06

R487-- 46601

**片** 

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, HISTALLING AND BRACING.

REFER TO BEST 1-03 (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PALLING AND BRACING.

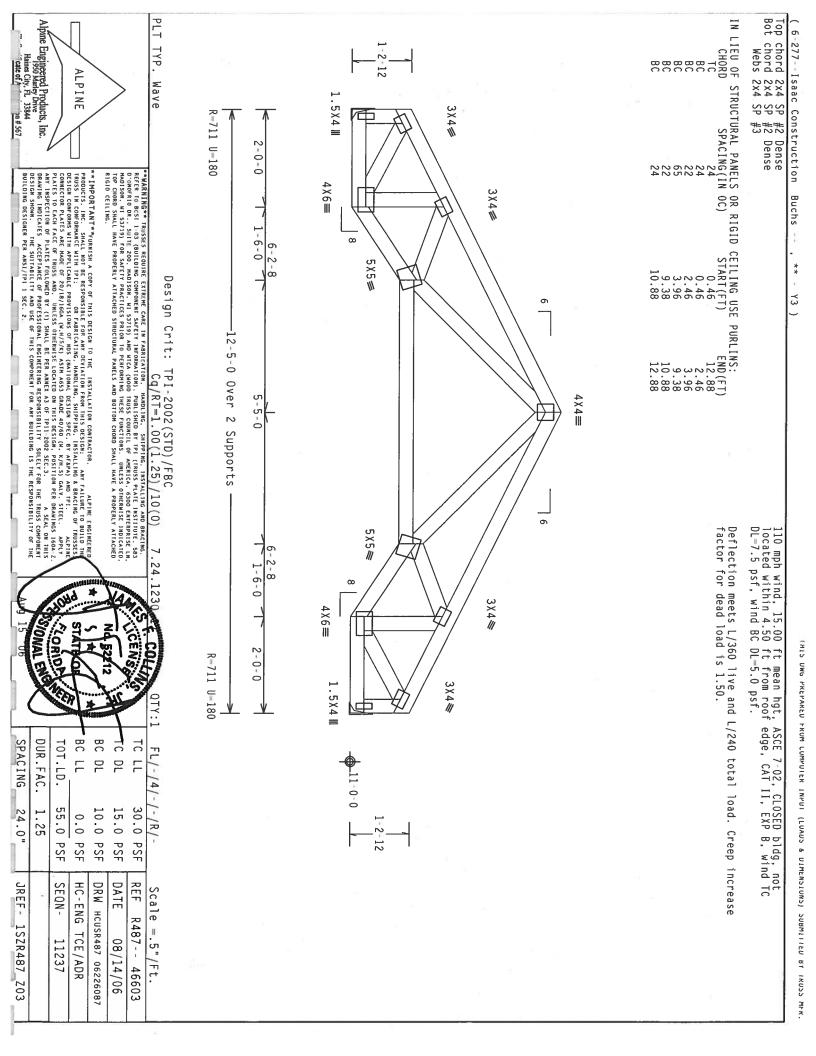
D'ONOFRIO BA. SUITE ZOD, HADISON, HI 53719) AND HICA (HODO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LIM,

HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERNISE INDICATED.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

1950 Marley Univ. 1950 Marley Univ. Haines City, FL 33844 no # 567

IHIS UNG PREPAREU FROM COMPUIER INPUI (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.



Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

CHORD SPACING(IN OC) START(FT) END

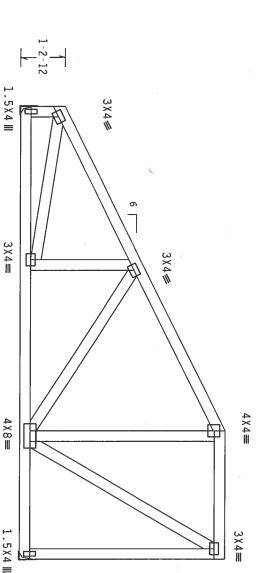
TC 24 0.00 12

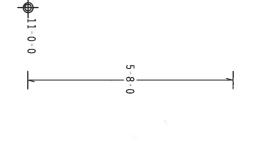
BC 120 0.00 12 END(FT) 12.42 12.42

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

Right end vertical not exposed to wind pressure

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.







Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

TYP.

Wave

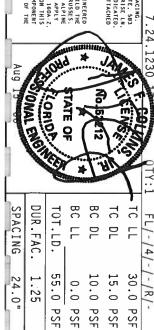
RIGID CEILING.

**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OF FABRICATING, HANDLING, SHPPTNG, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY ACEAP) AND TPI. APPINE CONNECTOR PLATES ARE HADE OF 20/18/16/16/64 (M.H/S/K) ASTH AGS3 GRADE 40/60 (M. K/M.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNICES OTHERNISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A.Z.

Y (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS
Y (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS

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

ALPINE



PSF PSF

HC-ENG

TCE / ADR 11253

DRW HCUSR487 06226089

DATE REF

08/14/06

Scale =.375"/Ft. R487-- 46605

SEQN-

JREF -

1SZR487

Z03

SPACING

24.0"

JREF -

1SZR487

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:

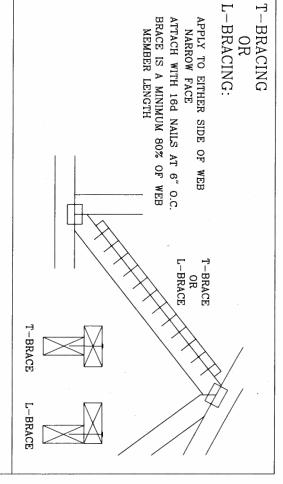
BRACING. THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING RE-RUN DESIGN WITH APPROPRIATE

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

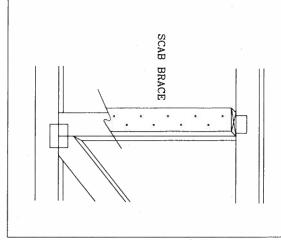
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

* CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



### SCAB BRACING:

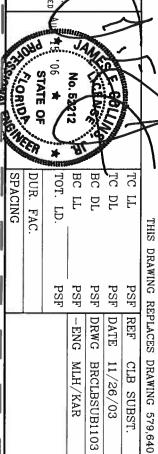
ATTACH WITH 10d OR .128"x3" GUN NO MORE THAN (1) SCAB PER FACE. APPLY SCAB(S) TO WIDE FACE OF WEB 80% OF WEB MEMBER LENGTH NAILS AT 6" O.C. BRACE IS A MINIMUM





ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

ALPINE



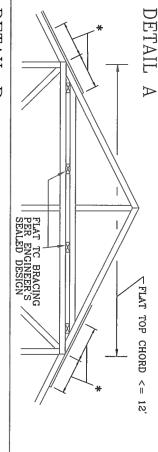
# PIGGYBACK

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

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

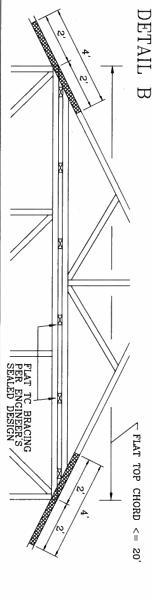
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C. WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

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



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

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



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



€ FLAT TC BRACING PER ENGINEER'S SEALED DESIGN THIS DRAWING

***IHADDETANT## FLIBNISH CORPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE EXCILIBERED PRODUCTS, M.S. SHALL MOT BE RESERVISHED FOR ANY BYLLATION FROM HIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFIDENCE WITH THIS OR FABRICATING, HANDLING, SENSON, HIS SALLING SPECE BRACIES. DESIGN CONFECTED # AFES APPLICABLE PROVISIONS OF MIS CANTIDNAL DESIGN SPECE BY AFES AND THE ALPINE CONNECTED # AFES ARE HADE OF TRUSS AND DIALES AND THE ASS GRADE OF THE SENSON CONFERNASS CHARMES FOR ANY ALPINE ON THE ASS CHARMES AND THE ASS CHARMES FOR ANY ASS CHARMES AND THE ASS CHARMES FOR ANY ASS CHARMES AND THE ASS CHARMES FOR ANY ASS CHARMES FOR ANY ASS CHARMES AND THE ASS CHARMES FOR ANY ASSOCIATED FOR ANY A WEVARNIGME TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1—32 SBILDING CDMPDRENT SAFETY INFOMMATION, POBLISHED BY TPI CIRUSS PLATE INSTITUTE, 583 ENDUFRIC DR., SUITE 200, MADISON, VI. 53719) AND VICA VODOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VI. 53739 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERVISE INDICATED, TOP CHARDS SHALL HAVE PROPERLY ATTACHED RIGID CEILING. STATE OF

> BC DL ВС

TOT. LD.

MAX

PSF PSFPSF PSF

-ENG

DLJ/KAR

DRWG DATE REF

PIGBACKA0405

04/14/05 PIGGYBACK

SPACING DUR. FAC.

24.0" 1.15 60 TC DL TC

E

REPLACES DRAWINGS

581,670 & 961,860

Z8" X 8" X'1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

(4) 8d COMMON NAILS (0.131"X2.5")

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

ALPINE

BOT POT CHORD 2X4 2X4 2X4 ### 88# 888 BETTER BETTER BETTER

### PIGGYBACK DETAII

REFER TO SEALED DESIGN FOR DASHED PLATES

SPACE PIGGYBACK VERTICALS AT 4' OC MAX

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

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

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

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS: 130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX. 110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

45

C8" X 8" X 1/2" FACE) MAY BE **£** 6d BOX (0.099"X 2.",MIN) NAILS.

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

IN CAP BC AND (4) IN BASE TRUSS FLAT 10

JOINT TYPE (F) D a В A 4X6 .5X3 5X4 4X6 2X4 30' OR 3X6 TRULOX AT 4' ROTATED VERTICALLY 1.5X4 2.5X4 SPANS 5X5 5X6 34, F 2.5X4 .5X4 5X5 5X6 38 oTo .5X4 5X6 5X6 3X5 52 0C,

130 MPH WIND, ()
BLDG, LOCATED !
WIND TC DL=5 P 30' MEAN HGT, ASCE 7-98, ANYWHERE IN ROOF, CAT II, PSF, WIND BC DL=5 PSF CLOSED EXP. C.

20' FLAT TOP CHORD MAX SPAN 要 MAX SIZE OF 2X12 #2 OR BETTER 型 B C-TYP 4 D-SPLICE 焠 妕 烅 畑 畑 妯 妯

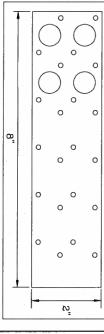
EITHER PLATE LOCATION IS ACCEPTABLE

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

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

### * PIGGYBACK SPECIAL PLATE

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



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

STATE OF	No. 5242			Inia DRAI
	1.25	1.35	/W.	TING KEPL
DUR. FA	O PSF AT 5 DUR. FA	5 PSF AT 3 DUR. FA	X LOADING	DRAWING REPLACES DRAWING
	STATE OF 47 PSF		STATE OF THE STATE	NO. 5244

DRWG DATE REF

DLJ/KAR PIGBACKB0405 04/14/05 PIGGYBACK

PRODUCTS, NO., SHALL ANT BE RESPONSIBLE FOR ANY DEVIANTION FROM THE DESIGN AND FALLING BEILD THE TRUSS. SHALL ANT BE RESPONSIBLE FOR ANY DEVIANTION FROM THE DESIGN ANY FALLING BEILD THE TRUSS. IN CONFIDENANCE VITH TPH, OR FABRICATING, HANDLING, SHEPING, INSTALLING BEILD ANY FALLING BEACH STORM THE STORM SECTION FOR THE STORM SECTION FROM THE SECTION OF TRUSSES. DESIGN COMPRESS VITH APPLICABLE PROPUSIONS OF AND CHILD STORM SECTION SECTION FOR THE SECTION OF THE SECTIO

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

ALPINE

MAX [

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

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WAVARHINGSM TRUSSES REQUIRE EXTREME CABE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACKING. REFER TO BOSI 1-03 (BUILDING COMPONENT SAFETY IN FORMATION), PUBLISHED BY TPI CIRDSS PLATE INSTITUTE, 583 D'ONDERIO DR., SUITE 200, HADISON, VI. 53719) AND VICA (VOID TRUSS COUNCIL DE AMERICA, 6300 ENTERPRISE LN, HADISON, VI. 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERVISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.