DATE 11/17/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000023867

APPLICANT MELANIE RODER PHONE 752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32025

OWNER ABRAM & ANGELA HUBER PHONE 755.1102

ADDRESS 225 SW FINLEY LITTLE LN LAKE CITY FL 32024

CONTRACTOR ISAAC BRATKOVICH PHONE 719.7143

LOCATION OF PROPERTY 47-S TO LITTLE RD,TL (SOUTHWOOD ACRES ENTRANCE),TL ON FINLEY LITTLE LN AND IT'S THE 3RD LOT DOWN ON THE L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 240000.00

HEATED FLOOR AREA 4800.00 TOTAL AREA 6825.00 HEIGHT 21.00 STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 3'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 01-5S-16-03387-012 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 2.05

000000890		CBC059323	Melanie Roder	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	05-1036-N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE.SECTION 14.9 SPECIAL FAMILY LOT PERMIT.
1 FOOT ABOVE ROAD.

Check # or Cash 1629

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

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

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

Electrical rough-in ____ date/app. by | Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by

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

M/H tie downs, blocking, electricity and plumbing ____ date/app. by | Pool ____ date/app. by

Reconnection ____ date/app. by | Pump pole ____ date/app. by | Utility Pole ____ date/app. by

M/H Pole ____ date/app. by | Travel Trailer ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 1200.00 CERTIFICATION FEE $ 34.13 SURCHARGE FEE $ 34.13

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ .00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ CULVERT FEE $ 25.00 **TOTAL FEE** 1343.26

INSPECTORS OFFICE CW CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

COLUMBIA COUNTY INSPECTION SHEET

DATE 06/15/2006 TAKEN BY [illegible] **INSPECTION DATE:** 6/16/06 Fri

BUILDING PERMIT # 000023867 **CULVERT / WAIVER PERMIT #** 000000890 **WAIVER** _____

PARCEL ID # 01-5S-16-03387-012 ZONING A-3

TYPE OF DEVELOPMENT SFD/UTILITY

SETBACKS: FRONT 30.00 REAR 25.00 SIDE 25.00 HEIGHT 21.00

FLOOD ZONE X SEPTIC 05-1036-N NO. EXISTING D.U. 0

SUBDIVISION _____ Lot ___ Block ___ Unit ___ Phase ___

OWNER ABRAM & ANGELA HUBER PHONE 755.1102

ADDRESS 225 SW FINLEY LITTLE LN LAKE CITY FL 32024

CONTRACTOR ISAAC BRATKOVICH PHONE 719.7143

LOCATION 47-S TO LITTLE RD,TL (SOUTHWOOD ACRES ENTRANCE),TL ON FINLEY LITTLE LN AND IT'S THE 3RD LOT DOWN ON THE L.

COMMENTS: NOC ON FILE.SECTION 14.9 SPECIAL FAMILY LOT PERMIT. 1 FOOT ABOVE ROAD.

INSPECTION(S) REQUESTED:

____ Temp Power 11/23/2005 RTJ ____ Foundation 11/23/2005 RJ ____ Set backs 11/23/2005 RJ

____ Mono Slab _____ ____ Under Slab Rough-in 12/13/2005 RJ ____ Slab 12/15/2005 HD

____ Sheathing/Nailing _____ ____ Framing _____ ____ Other _____

____ Above slab Rough-in _____ ____ Electrical Rough-in _____

____ Heat & A/C _____ ____ Beam (Lintel) _____ ____ Perm Power _____

____ CO Final _____ ____ Culvert _____ ____ Reconnection _____

____ Pool _____ ____ MH Perm Power _____ ____ Utility Pole _____

____ RV Power _____ ____ Re-Roof _____ ____ MH Pole _____

INSPECTORS:

APPROVED _____ NOT APPROVED _____ BY _____ POWER CO. CLAY

INSPECTORS COMMENTS: _____

FEAGLE & FEAGLE, ATTORNEYS, P.A.
ATTORNEYS AT LAW
153 NE MADISON STREET
POST OFFICE BOX 1653
LAKE CITY, FLORIDA 32056-1653
(386) 752-7191
Fax: (386) 758-0950

Marlin M. Feagle
e-mail: leagle@bellsouth.net

Mark E. Feagle
e-mail: mefeagle@bellsouth.net

June 14, 2006

HAND DELIVERED

Mr. John Kerce
Planning and Zoning Department
County Administrative Offices
135 NE Hernando Avenue
Lake City, Florida 32055

Re: Abram B. Huber

Dear John:

This will confirm our telephone conference of June 14, 2006 regarding the custom built window issue for Mr. Huber's residence here in Columbia County.

As stated in previous correspondence to Mr. Huber, Florida Statute 553.842(10) provides products which are custom fabricated or assembled shall not require separate approval under the section provided the component parts have been approved for the fabricated or assembled products used and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use. Section R613.3.1 provides that exterior windows shall be tested by an approved independent testing laboratory, etc. The determination of load resistance of glass for specified loads of products tested and certified in accordance with this section shall be designed to comply with ASTM E 1300. Section R613.4.2 provides for and allows exterior door assemblies (presumably including those containing glass) may be engineered in accordance with accepted engineering practices in lieu of testing by an approved testing laboratory.

Mr. Huber has obtained an engineering analysis and certification from Mark Disosway, P.E., as evidenced in his letter to Columbia County dated May 30, 2006. Engineer Disosway has given the opinion that in accordance with accepted engineering practices both the windows and the doors used in Mr. Huber's house meet the requirements of the 2004 Florida Building Code. I further discussed this with Mr. Disosway on June 14, 2006 at which time Mr. Disosway explained his letter and report. Attached to the Disosway report of May 30, 1006 is the ASTM E 1300 calculation for the largest window pane. This calculation shows the 110 MPH wind load pressure requirement as 30.0 per square feet (PSF). The calculated load resistance for the Huber

window panes is 43.8 PSF. Thus, the Huber window panes are 13.8 PSF greater than that required by the Florida Building Code according to Mr. Disosway's calculations. Mr. Disosway's letter of opinion further specifically states the window glass meets the 2004 Florida Building Code structural requirements. He did caution that our building inspector should make sure the installation is in compliance with Section 3CV of his letter. This section requires that the builder attach window jambs to wall studs with #8 by 3-inch wood screws at 12-inch OC maximum.

It appears the engineer's analysis letter and opinion meets the intent of Section 613 of the Florida Building Code regarding exterior windows. However, as an additional precaution of the county, I would suggest that the owner and contractor sign the enclosed indemnity and hold harmless agreement for the county. If you have any additional questions, please do not hesitate to give me a call.

Very truly yours,

Marlin Feagle

Marlin M. Feagle

MMF:dse

Enclosure

RELEASE AND HOLD HARMLESS AGREEMENT

The undersigned, **ABRAM B. HUBER**, ("Owner"), and ISAAC CONSTRUCTION, ("Contractor"), each as to themselves, their heirs, successors and assigns, having been advised of the requirements of Section R613 of the Florida Building Code regarding exterior windows and door assemblies, and in consideration of the Columbia County Building Department approving the manufactured or custom-built doors and windows for the Owner's residence located in Columbia County, Florida, do hereby release and agree to defend, reimburse, and hold harmless Columbia County, Florida, ("County"), regarding any claims, losses or damages against County as a result of the Owner's residence not being constructed in full compliance with the provisions of the Florida Building Code; specifically as to Section R613 thereof. The undersigned represents and warrants that the residence has been and will be constructed in accordance with the Florida Building Code and other applicable rules and regulations.

DATED this 15th day of June, 2006.

ABRAM B. HUBER

ABRAM HUBER

Print Name: _____

"OWNER"

Print Name: ISAAC BRATKOVICH

"CONTRACTOR"

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

May 30, 2006

Building and Zoning, Columbia County, Florida

Re: Columbia County Building Permit # 23867
One Time Product Approval for Custom Teak Windows and Doors
Abram and Angela Huber Residence, 01-5S-16-03387-012 Columbia County, Florida

Dear Building Inspector:

Abram and Angela Huber are requesting one time local product approval for use of custom teak windows and doors for their new residence here in Columbia County. The owner's objective of using these custom products is to provide a more stable, rot and insect proof window and door to withstand the rigorous weather and tropical conditions here in Florida, and the desired aesthetic of which windows and doors are largely a part of in the house design.

1) Code basis for one time product approval of custom windows and doors.

   a) Florida Statute 553.842(10) states: "Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use." The windows and doors are custom fabricated of two basic materials, glass and teak wood. This letter will demonstrate that the glass and teak for the windows and doors used in this house meet the requirements of FBC2004.

   b) FBC2004, R613.4.2 Custom doors states: "Custom (one of a kind) exterior door assemblies shall be tested by an approved testing laboratory or be engineered in accordance with accepted engineering practices." This letter will demonstrate with accepted engineering practices that the windows and doors used in this house meet the requirements of FBC2004. We are asking the building department to accept approval of the custom windows also even though the code language is for doors.

2) Window assembly description

   a) Continuous flashing / bracket / flange 0.032 Aluminum attached to teak frame using 5/8" length ¼" crown galv. staples fastened through polyurethane flashing glue into teak wood. This bracket extends 4" onto wall, and is fastened to wall every 12" using 1.75" #8 pan head wood screws.

   b) Glass panels are double insulated low-e glass panels, each 1/8" thickness, with a ¼" spacer gasket, for a total glass panel thickness of 1/2" all glass annealed except door glass panels which are tempered in accordance with building codes. Glass panels are attached using 1/16" polyethylene glazing tape and held in place at specified 25% compression with mechanically fastened muntins

   c) Doors are attached using #8X3" wood screws

3) Engineering analysis

   a) Design loads from Table R301.2(2) adjusted for height and exposure per Table R301.2(3) (Design wind speed = 100 mph, Exposure = B, Mean Roof Height = 30 ft, Coefficient = 1.00)

Wall Zone	Effective Wind Area (Ft2)	110 mph	110 mph
4	10	21.8	-23.6
4	20	20.8	-22.6
4	50	19.5	-21.3
4	100	18.5	-20.4
5	10	21.8	-29.1
5	20	20.8	-27.2
5	50	19.5	-24.6
5	100	18.5	-22.6

b) Doors

i) Worst case wind pressure = -27.3 psf for 20 ft2 door in Zone 5.

ii) Worst case door structural element is the latch side stile which is simply supported from a latch mechanism to be installed by owner which latches at top and bottom of the style. Due to the thin section of the stile deflection controls. Assume: 8' door height, latch at top and bottom of door, 2.0" x 5.0" stile, teak wood.

iii) Max deflection = WL^3 / 76.8EI = 27.3 psf * 8' * 1.5' * 96" ^ 3 / 76.8 * 1700000 psi * (5" * 2" ^ 3 / 12) = 0.666" = L/144 is greater than code limits of L/180 for a window but the deflection specified for a door is that after 10 seconds of testing at 1.5 times design wind pressure there will be "no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable." Based on experience I would expect a wood door to have no permanent deflection after 10 seconds at deflection of 1.5 x L/144 = L/96.

iv) Attach door jambs to wall studs with #8 x 3" wood screws at 12"OC max. (123 lb per screw / (1.5 x 27.3 psf x 3') = 1.0')

c) Windows

i) Worst case wind pressure = -28 psf for 15 ft2 window in Zone 5.

ii) Window glass as described above meets FBC2004 structural requirements for 30 psf design pressure as shown in the ASTM E1300 calculation for the largest pane, attached.

iii) Worst case door structural element is the latch side or hinge side stile which is simply supported from a latch or hinge mechanism to be installed by owner with a maximum spacing between latches of 42". Due to the thin section of the stile deflection controls. Assume: 8' door height, latch at top and bottom of door, 2.0" x 2.5" stile, teak wood.

iv) Max deflection = WL^3 / 76.8EI = 28 psf * 3.5' * 1.5' * 42" ^ 3 / 76.8 * 1700000 psi * (2.5" * 2" ^ 3 / 12) = 0.05" = L/840 is less deflection than code limits of L/180

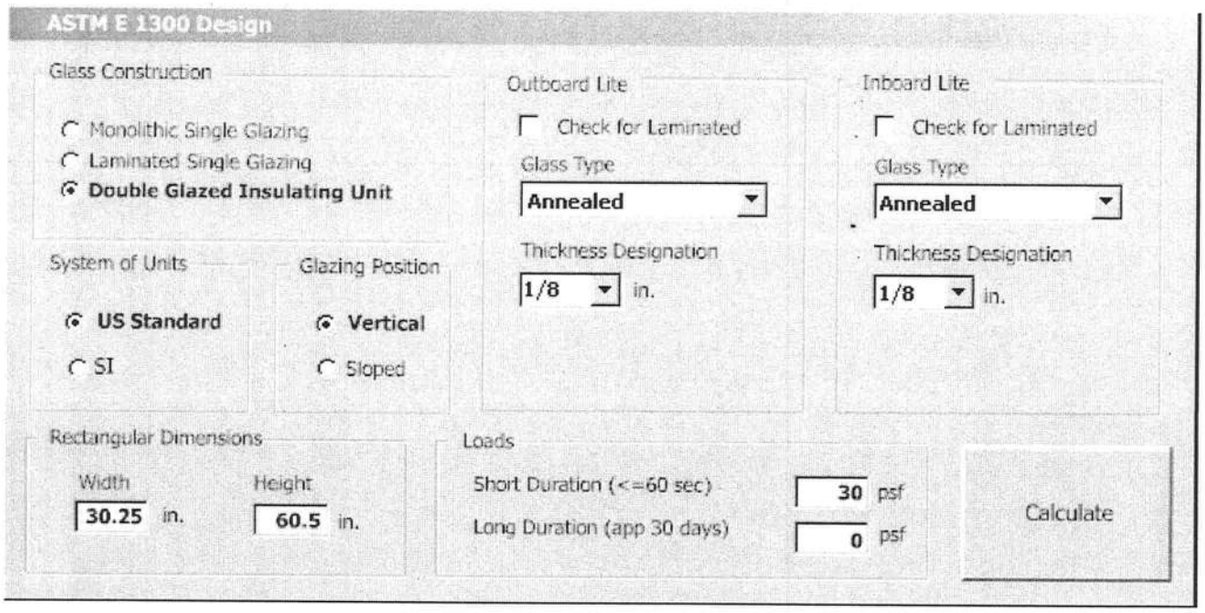
v) Attach window jambs to wall studs with #8 x 3" wood screws at 12"OC max. (123 lb per screw / (1.5 x 27.3 psf x 3') = 1.0')

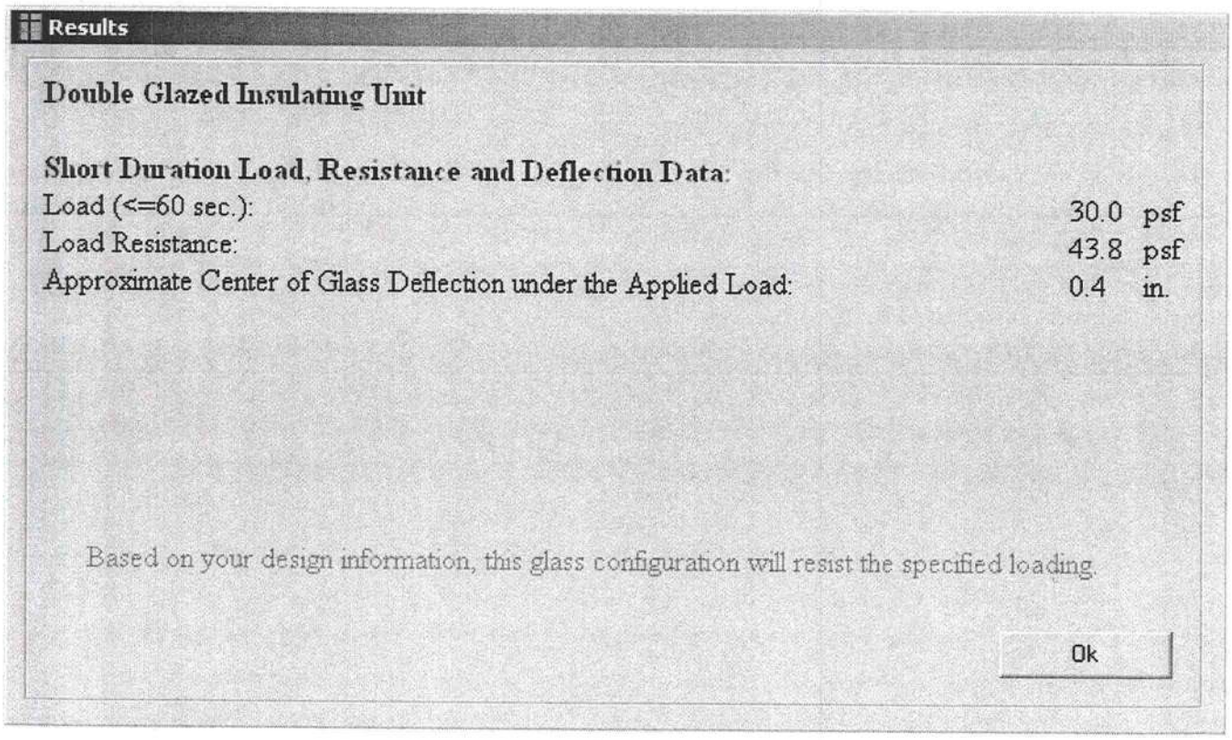
Please accept this letter as documentation that the custom one of a kind windows and doors used in this house meet the structural requirements of FBC2004 based on accepted engineering practices.

Sincerely,

30 MAY 06

Mark Disosway, PE


ASTM E 1300 Design
Glass Construction
Monolithic Single Glazing
Laminated Single Glazing
Double Glazed Insulating Unit
Outboard Lite
Check for Laminated
Glass Type
Annealed
Thickness Designation
1/8 in.
Inboard Lite
Check for Laminated
Glass Type
Annealed
Thickness Designation
1/8 in.
System of Units
US Standard
SI
Glazing Position
Vertical
Sloped
Rectangular Dimensions
Width
30.25 in.
Height
60.5 in.
Loads
Short Duration (<=60 sec)
30 psf
Long Duration (app 30 days)
0 psf
Calculate


Results
Double Glazed Insulating Unit
Short Duration Load, Resistance and Deflection Data:
Load (<=60 sec.): 30.0 psf
Load Resistance: 43.8 psf
Approximate Center of Glass Deflection under the Applied Load: 0.4 in.
Based on your design information, this glass configuration will resist the specified loading.
Ok

SECTION R613

EXTERIOR WINDOWS AND DOOR ASSEMBLIES

R613.1 General.

This section prescribes performance and construction requirements for exterior window systems installed in wall systems. Waterproofing, sealing and flashing systems are not included in the scope of this section.

R613.2 Performance.

Exterior windows and doors shall be designed to resist the design wind loads specified in Table R301.2(2) adjusted for height and exposure per Table R301.2(3).

R613.3 Exterior windows, sliding and patio glass doors.

R613.3.1 Testing and Labeling.

Exterior windows and glass doors shall be tested by an approved independent testing laboratory, and shall be labeled with an approved label identifying the manufacturer, performance characteristics and approved product certification agency, testing laboratory, evaluation entity or Miami-Dade notice of acceptance to indicate compliance with the requirements of one of the following specifications:

ANSI/AAMA/NWWDA 101/I.S. 2-97 or 101/I.S. 2/NAFS or TAS 202 (HVHZ shall comply with TAS 202 utilizing ASTM E 1300-98 or ASTM E 1300-02).

Glass Strength: Determination of load resistance of glass for specified loads of products tested and certified in accordance with s. R613.3.1 shall be designed to comply with ASTM E 1300.

R613.4 Exterior door assemblies.

Exterior door assemblies not covered by R613.3 or R613.4.1 shall be tested for structural integrity in accordance with ASTM E 330 Procedure A at a load of 1.5 times the required design pressure load. The load shall be sustained for 10 seconds with no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. HVHZ shall comply with TAS 202. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable.

The minimum test sizes and minimum design pressures shall be as indicated in Table R613.4

The unit size tested shall qualify all units smaller in width and/or height of the same operation type and be limited to cases where frame, panels and structural members maintain the same profile as tested.

R308.5 Site built windows.

Site built windows shall comply with Section 2404 of the Florida Building Code, Building.

2404.1 Vertical glass.

Glass sloped 15 degrees (0.26 rad) or less from vertical in windows, curtain and window walls, doors and other exterior applications shall be designed to resist the wind loads for components and cladding. The load resistance of glass under uniform load shall be determined in accordance with ASTM E 1300. Design of exterior windows and glass doors in accordance with Section 2404.1 shall utilize the same edition of ASTM E 1300 used for testing in accordance with Section 1714.5. The design of vertical glazing shall be based on the following equation:

Fgw £ Fga (Equation 24-1)

where:

Fgw is the wind load on the glass computed in accordance with Section 1609 and Fga is the short duration load resistance of the glass as determined in accordance with ASTM E 1300.

553.842 Product evaluation and approval.--

(1) The commission shall adopt rules under ss. 120.536(1) and 120.54 to develop and implement a product evaluation and approval system that applies statewide to operate in coordination with the Florida Building Code. The commission may enter into contracts to provide for administration of the product evaluation and approval system. The product evaluation and approval system shall provide:

(a) Appropriate promotion of innovation and new technologies.

(b) Processing submittals of products from manufacturers in a timely manner.

(c) Independent, third-party qualified and accredited testing and laboratory facilities, product evaluation entities, quality assurance agencies, certification agencies, and validation entities.

(d) An easily accessible product acceptance list to entities subject to the Florida Building Code.

(e) Development of stringent but reasonable testing criteria based upon existing consensus standards, when available, for products.

(f) Long-term approvals, where feasible. State and local approvals will be valid until the requirements of the code on which the approval is based change, the product changes in a manner affecting its performance as required by the code, or the approval is revoked.

(g) Criteria for revocation of a product approval.

(h) Cost-effectiveness.

(2) The product evaluation and approval system shall rely on national and international consensus standards, whenever adopted by the Florida Building Code, for demonstrating compliance with code standards. Other standards which meet or exceed established state requirements shall also be considered.

(3) Products or methods or systems of construction that require approval under s. 553.77, that have standardized testing or comparative or rational analysis methods established by the code, and that are certified by an approved product evaluation entity, testing laboratory, or certification agency as complying with the standards specified by the code shall be approved for statewide use. Products required to be approved for statewide use shall be approved by one of the methods established in 1subsection (6) without further evaluation.

(4) Products or methods or systems of construction requiring approval under s. 553.77 must be approved by one of the methods established in 2subsection (5) or 1subsection (6) before their use in construction in this state. Products may be approved by the commission for statewide use. Notwithstanding a local government's authority to amend the Florida Building Code as provided in this act, statewide approval shall preclude local jurisdictions from requiring further testing, evaluation, or submission of other evidence as a condition of using the product so long as the product is being used consistent with the conditions of its approval.

(5) Statewide approval of products, methods, or systems of construction may be achieved by one of the following methods. One of these methods must be used by the commission to approve the following categories of products: panel walls, exterior doors, roofing, skylights, windows, shutters, and structural components as established by the commission by rule.

(a) Products for which the code establishes standardized testing or comparative or rational analysis methods shall be approved by submittal and validation of one of the following reports or listings indicating that the product or method or system of construction was evaluated to be in compliance with the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code:

1. A certification mark or listing of an approved certification agency;

2. A test report from an approved testing laboratory;

3. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity; or

4. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state.

A product evaluation report or a certification mark or listing of an approved certification agency which demonstrates that the product or method or system of construction complies with the Florida Building Code for the purpose intended shall be equivalent to a test report and test procedure as referenced in the Florida Building Code.

(b) Products, methods, or systems of construction for which there are no specific standardized testing or comparative or rational analysis methods established in the code may be approved by submittal and validation of one of the following:

1. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity indicating that the product or method or system of construction was evaluated to be in compliance with the intent of the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code; or

2. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state, who certifies that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code.

(6) The commission shall ensure that product manufacturers that obtain statewide product approval operate quality assurance programs for all approved products. The commission shall adopt by rule criteria for operation of the quality assurance programs.

(7) For state approvals, validation shall be performed by validation entities approved by the commission. The commission shall adopt by rule criteria for approval of validation entities, which shall be third-party entities independent of the product's manufacturer and which shall certify to the commission the product's compliance with the code.

(8) The commission may adopt rules to approve the following types of entities that produce information on which product approvals are based. All of the following entities, including engineers and architects, must comply with a nationally recognized standard demonstrating independence or no conflict of interest:

(a) Evaluation entities that meet the criteria for approval adopted by the commission by rule. The commission shall specifically approve the National Evaluation Service, the International Conference of Building Officials Evaluation Services, the International Code Council Evaluation Services, the Building Officials and Code Administrators International Evaluation Services, the Southern Building Code Congress International Evaluation Services, and the Miami-Dade County Building Code Compliance Office Product Control. Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).

(b) Testing laboratories accredited by national organizations, such as A2LA and the National Voluntary Laboratory Accreditation Program, laboratories accredited by evaluation entities approved under paragraph (a), and laboratories that comply with other guidelines for testing laboratories selected by the commission and adopted by rule.

(c) Quality assurance entities approved by evaluation entities approved under paragraph (a) and by certification agencies approved under paragraph (d) and other quality assurance entities that comply with guidelines selected by the commission and adopted by rule.

(d) Certification agencies accredited by nationally recognized accreditors and other certification agencies that comply with guidelines selected by the commission and adopted by rule.

(e) Validation entities that comply with accreditation standards established by the commission by rule.

(9) A building official may deny the local application of a product or method or system of construction which has received statewide approval, based upon a written report signed by the official that concludes the product application is inconsistent with the statewide approval and that states the reasons the application is inconsistent. Such denial is subject to the provisions of s. 553.77 governing appeal of the building official's interpretation of the code.

(10) Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use.

Hilton

COLUMBIA COUNTY BUILDING DEPARTMENT

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

Floor Plan including:

a) Rooms labeled and dimensioned

b) Shear walls

c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) NOTE 3 See NOTE 4

d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth

e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails See NOTE 6 See NOTE 7

f) Must show and identify accessibility requirements (accesssable bathroom) MASTER BATH

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing See NOTE 7

b) All posts and/or column footing including size and reinforcing

c) Any special support required by soil analysis such as piling See NOTE 8

d) Location of any vertical steel

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

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

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized – See NOTE 15
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail – See NOTE 12
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements – See NOTE 16
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

See NOTE 10

See NOTE 14

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

Floor Framing System:

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

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

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

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

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

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

☐ ☐ f) Appliances and HVAC equipment

X **HVAC information** See NOTE 14

☐ ☐ a) Manual J sizing equipment or equivalent computation

☐ ☐ b) Exhaust fans in bathroom

☐ ☐ **Energy Calculations** (dimensions shall match plans) See NOTE 17

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

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

I

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

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:mlb

ALLEN N. REEVES
LICENSE
NO. 11254
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

II

Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allan N. Reeves
1 APRIL 2002

ALLAN N. REEVES
No. 12354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
CERTIFICATE
NO. 18954
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max
	Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 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) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
	**Exceeds L/175 for deflection, but passes all other test requirements.*		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen H. Reeves
1 APRIL 2002

ALLEN H. REEVES
CERTIFICATE
NO. 18[illegible]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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

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

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

Allen N. Reeves
1 APRIL 2002

VI

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

MAH:nlb
01-41134.01

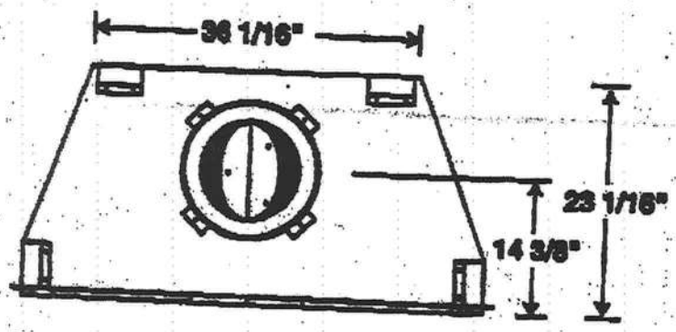
Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

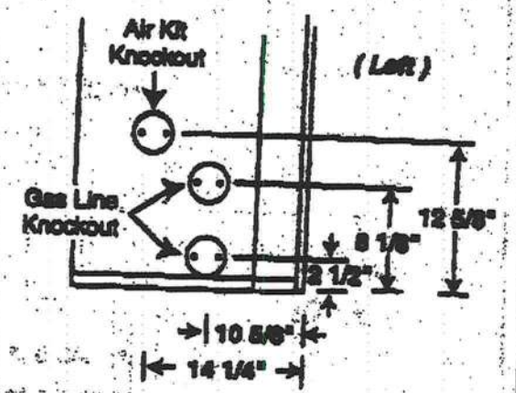
ALLEN N. REEVES
CERTIFICATE
NO. 1855?
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

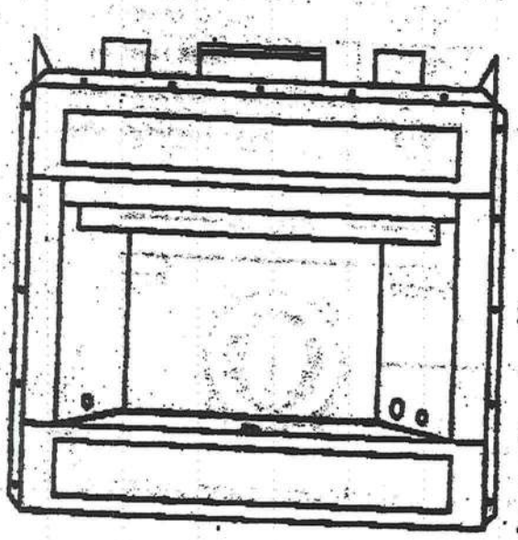
Craftsman

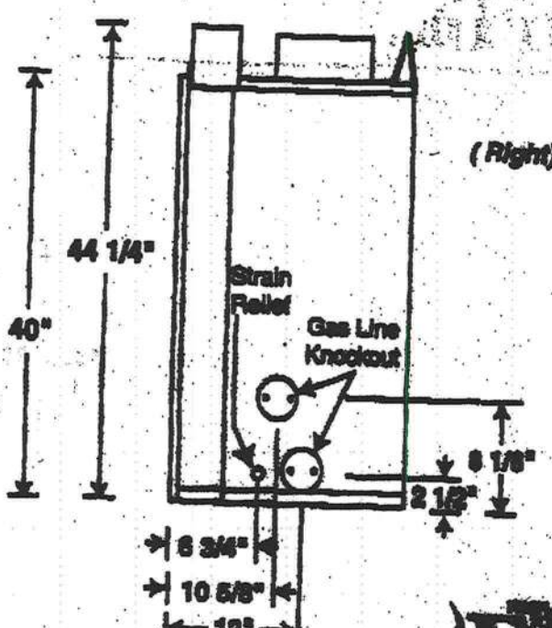
42" Woodburning Fireplace

Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	50' 0"





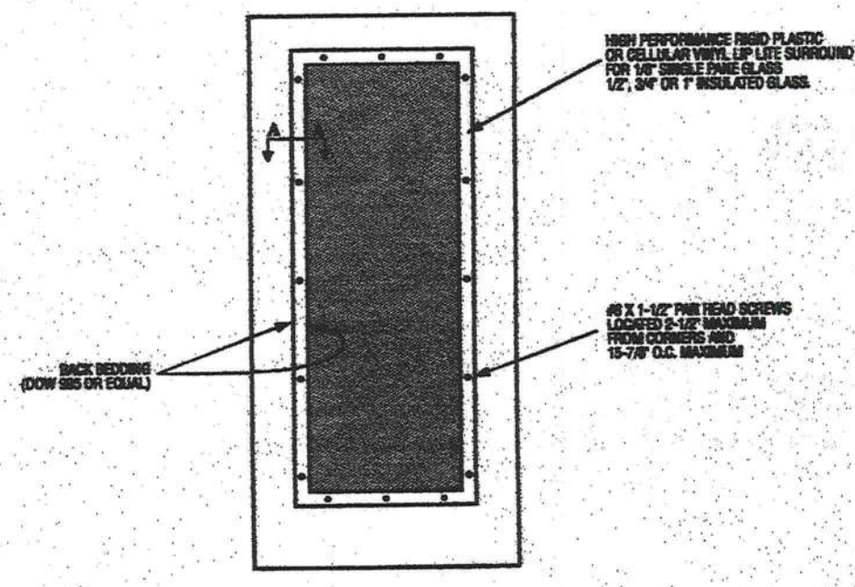




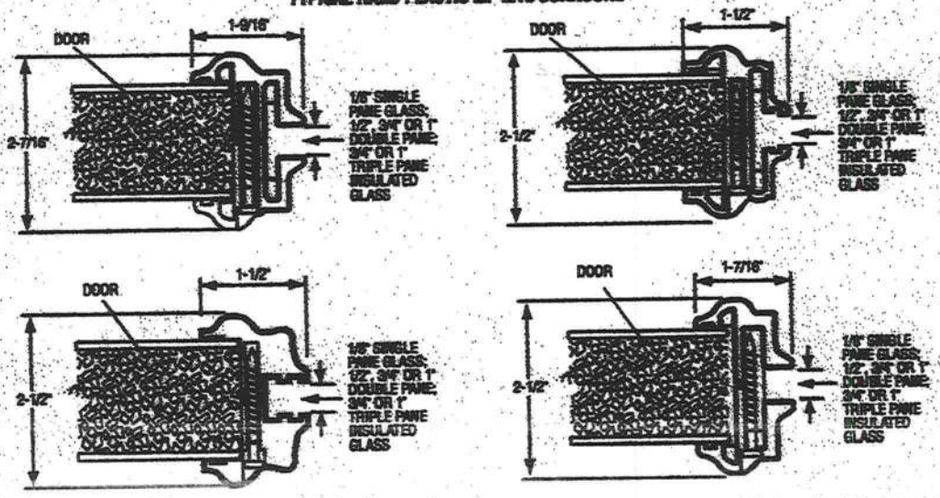
Fmi

MAD-WL-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



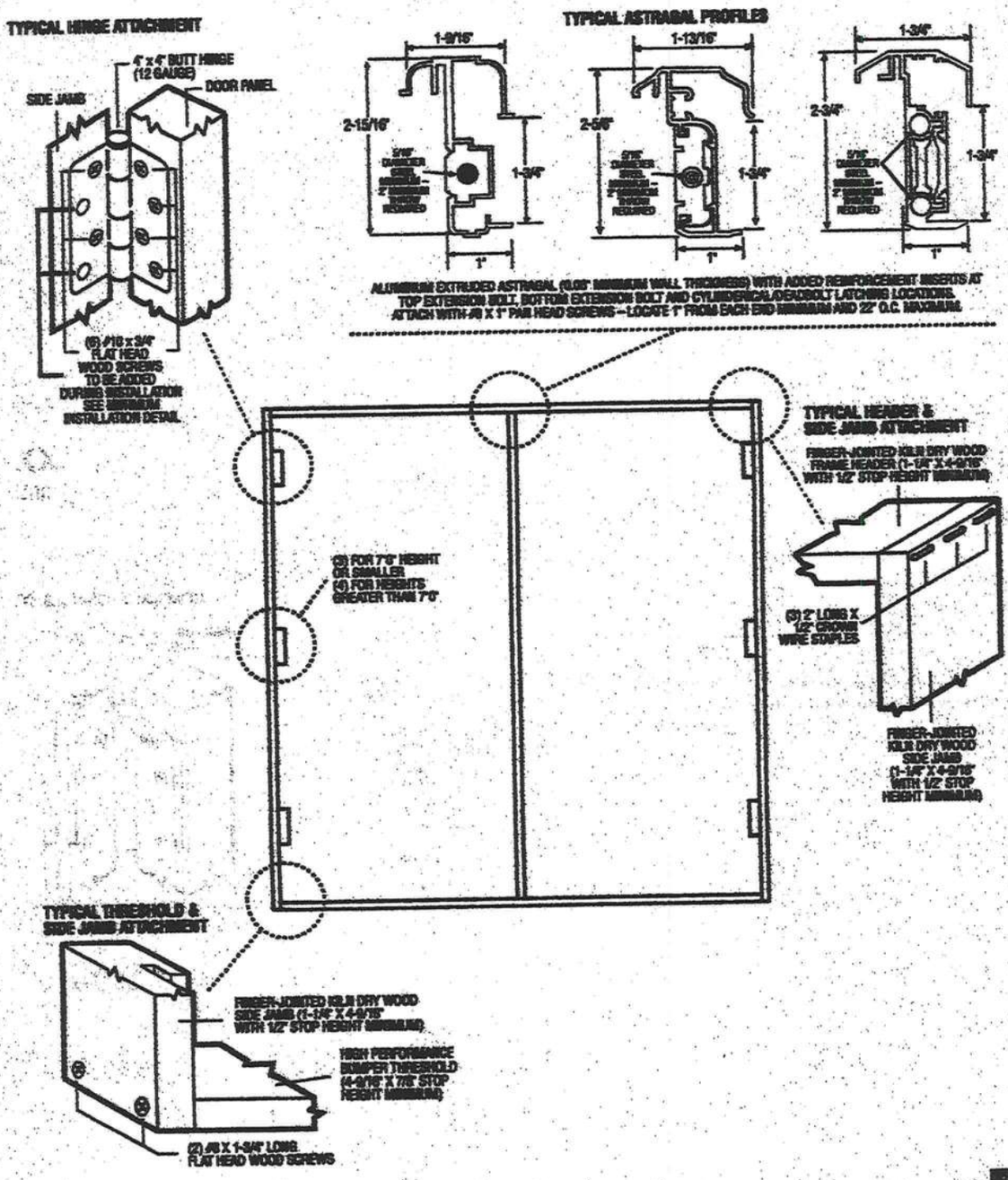
SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Unit

[redacted]

OUTSWING UNITS WITH DOUBLE DOOR



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

FIBERDOR Collection Premium Quality Doors

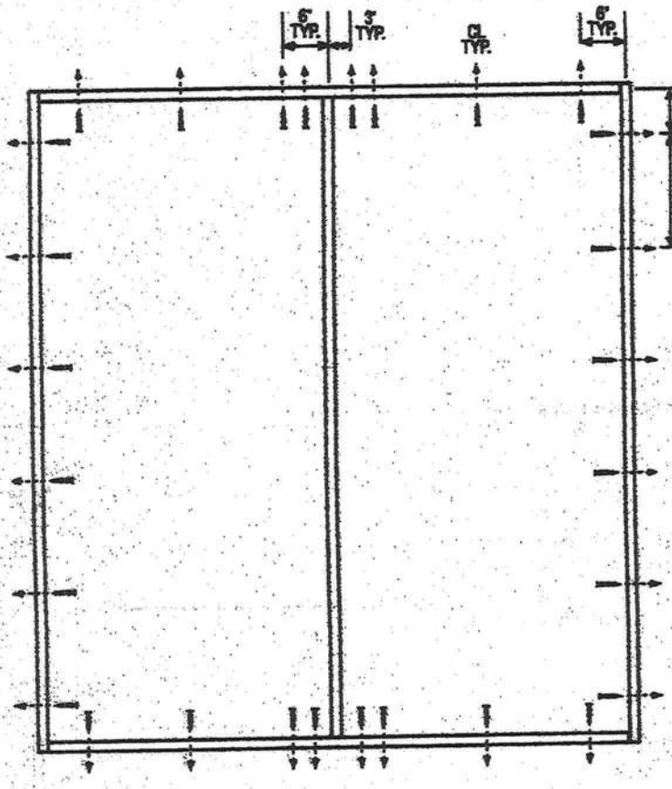
Exclusively from Masonite®

Masonite International Corporation

XX
Unit

[redacted]

DOUBLE DOOR



[redacted]

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

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

Latching Hardware:

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

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #6 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002

FAX NO. :386-754-9953

FROM :Columbia Door Company

Florida Building Code Online

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

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Search

Cancel

Result List for Organizations

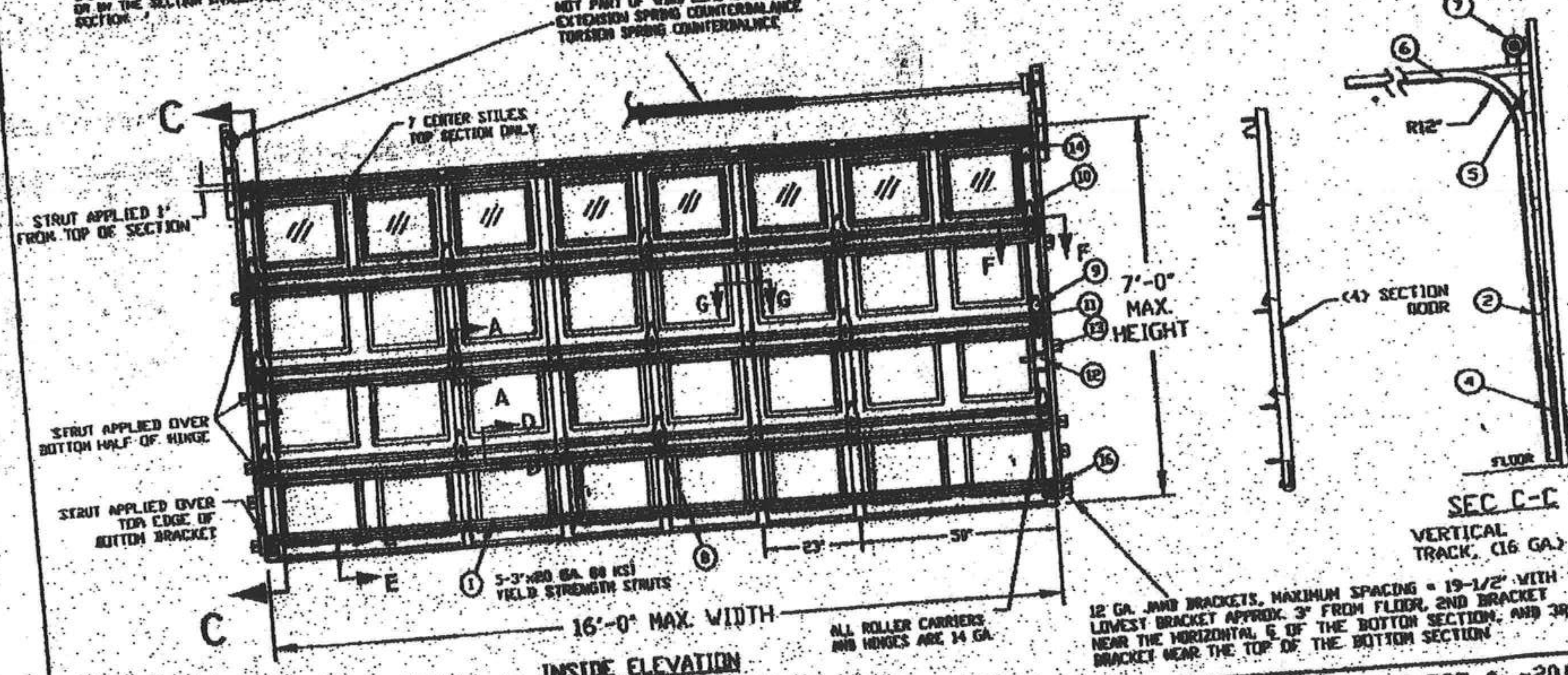
Displaying 1-1 of 1

Name	City	Contact	Date	Type	Expire	Status
General American Door	Montgomery	James Campbell	03/09/2000	Product Manufacturer	01/01/2999	Approved

Displaying 1-1 of 1

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

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



INSIDE ELEVATION

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

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

LISTED
REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 (00293)

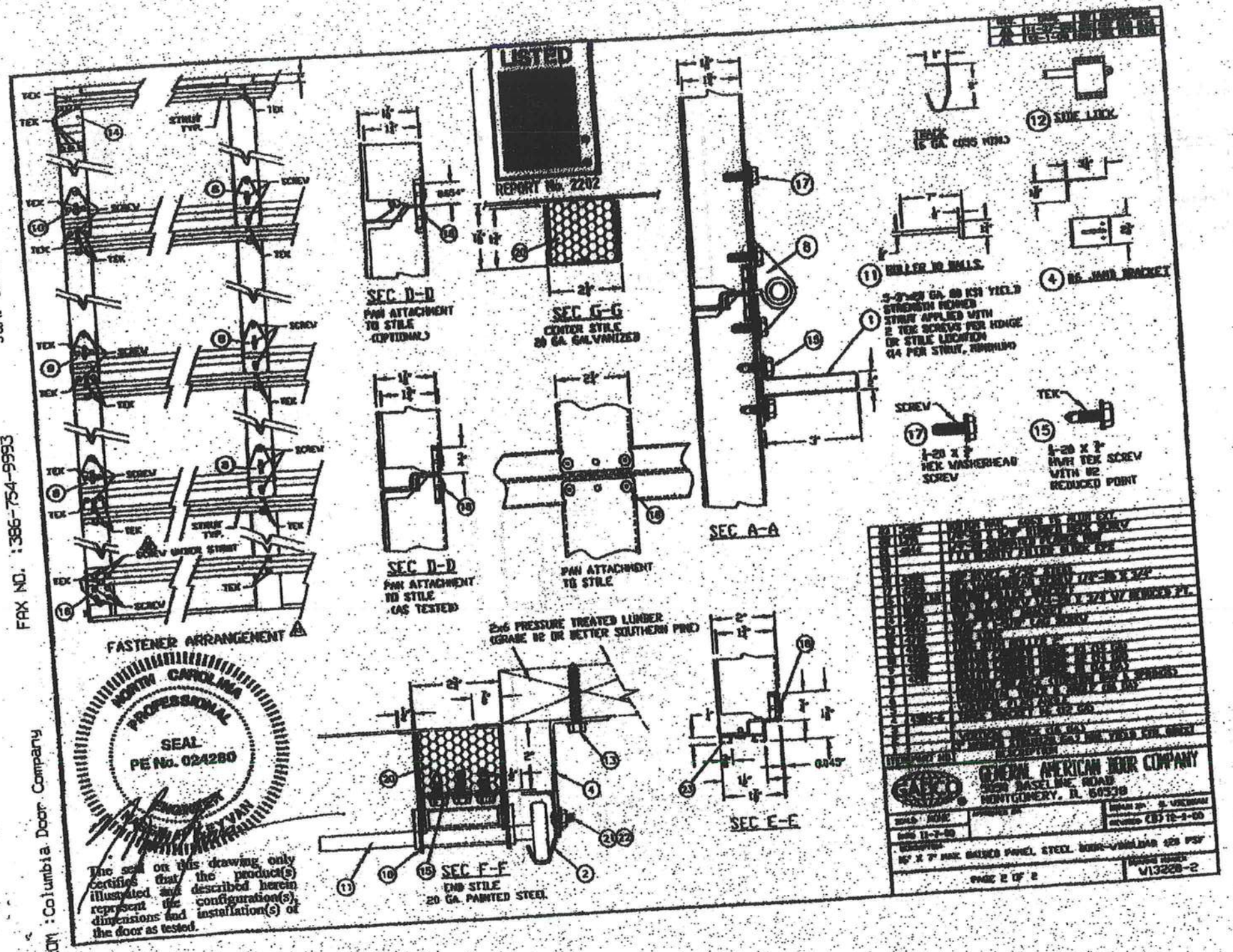
GADCO DOORS
SERIES 7480, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN
SERIES 7524, EXTERIOR STEEL =.024" MIN
(TESTED) WITH WINDOWS

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

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

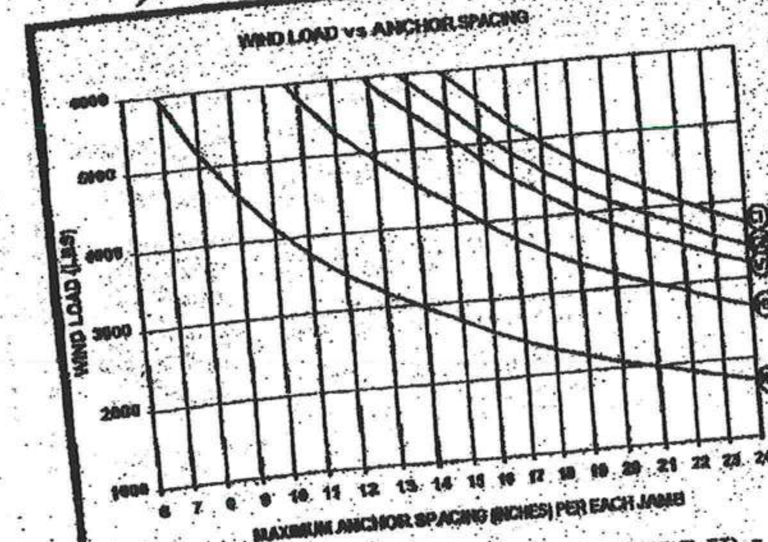
GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

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



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

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT



(C1) CONCRETE BACKUP HILTI KVIK BOLT II EXPANSION ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

(C2) CONCRETE BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-3/8" EMBEDMENT

(M1) MASONRY/CMU BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

(M2) MASONRY/CMU BACKUP ITW BUILDEX TAPCON MASONRY ANCHOR 1/4" DIA. 1-3/4" EMBEDMENT

(W) WOOD STUD BACKUP LAG SCREWS 5/16" DIA. 1-1/2" EMBEDMENT

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

NOTES:

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

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

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

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

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

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

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

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

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

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

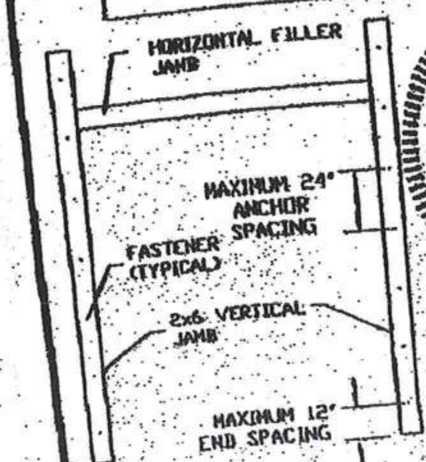
11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE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

DESIGN LOAD (LBS / FT²) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

EXAMPLE

30 LBS / FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

(C1) USE 22" SPACING
(C2) USE 21" SPACING
(W) USE 19" SPACING
(M1) USE 16" SPACING
(M2) USE 10" SPACING
SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024880 ENGINEER NASER R KEYVAN

NASER R KEYVAN No. 53774 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/8/2002

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

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

** LAMAR BOOZER **
900 EAST PUTNAM STREET
LAKE CITY, FL 32055

PROJECT:
CLIENT: HUBER RES UP STAIRES
DATE: 10 22 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: HUBER RES UP STAIRES
ADDRESS:
CITY, STATE: LAKE CITY.FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	126	4,111	0	8,387	8,387
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,186	4,268	0	2,334	2,334
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462
16-G CEILING R-30 INSULATION	1,246	1,850	0	1,850	1,850
22-A SLAB ON GRADE NO EDGE INSUL	155	5,649	0	0	0
SUBTOTALS FOR STRUCTURE:	2,753	16,724	0	13,033	13,033
PEOPLE	19	0	0	5,700	5,700
APPLIANCES	0	0	1,500	1,800	3,300
DUCTWORK	0	837	0	2,054	2,054
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				22,587	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		17,561	1,500	22,587	24,087

SUPPLY CFM AT 20 DEG DT: 1,027
SQUARE FT. OF ROOM AREA: 1,246
CFM PER SQUARE FOOT: 0.824
SQUARE FOOT PER TON: 620.750

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 17.561 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.007 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

** LAMAR BOOZER **
900 EAST PUTNAM STREET
LAKE CITY, FL 32055

PROJECT:
CLIENT: HUBER RES
DATE: 10 22 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: HUBER RES
ADDRESS:
CITY, STATE: LAKE CITY, FLORIDA 32055

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	294	9,589	0	18,808	18,808
9-I FRENCH DOOR DBL CLR GLS METL FR	84	2,851	0	6,148	6,148
12-E WALL R-11 +1/2"EXTPOLY BD(R-2.5)	2,409	8,131	0	4,808	4,808
11-C DOOR METAL POLYSTYRENE CORE	57	1,206	0	713	713
16-G CEILING R-30 INSULATION	3,591	4,662	0	4,868	4,868
22-A SLAB ON GRADE NO EDGE INSUL	289	10,535	0	0	0
SUBTOTALS FOR STRUCTURE:	6,724	36,974	0	35,345	35,345
PEOPLE	28	0	0	8,400	8,400
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,849	0	4,525	4,525
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				49,770	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		38,823	1,800	49,770	51,570

SUPPLY CFM AT 20 DEG DT: 2,262
SQUARE FT. OF ROOM AREA: 3,591

CFM PER SQUARE FOOT: 0.721
SQUARE FOOT PER TON: 730.425

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 38.823 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 6.298 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SS0487-Z0109095751

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-344-ISAAC CONST/HUBER - ROOF
Truss Count:	135
Model Code:	Florida Building Code
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 45.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
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-A11030EC-GBLLETIN-A11015EC

Seal Date: 11/09/2005

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

#	Ref Description	Drawing#	Date
1	35423--AG	05313061	11/09/05
2	35424--H174A	05313160	11/09/05
3	35425--H188A	05313062	11/09/05
4	35426--H20A	05313063	11/09/05
5	35427--H214A	05313064	11/09/05
6	35428--A	05313065	11/09/05
7	35429--HS148A	05313066	11/09/05
8	35430--H16A	05313067	11/09/05
9	35431--HS8AT	05313068	11/09/05
10	35432--HS94AT	05313069	11/09/05
11	35433--HS108AT	05313070	11/09/05
12	35434--HS12AT	05313071	11/09/05
13	35435--HS134AT	05313072	11/09/05
14	35436--H8B	05313073	11/09/05
15	35437--H904B	05313159	11/09/05
16	35438--H1008B	05313001	11/09/05
17	35439--H12B	05313002	11/09/05
18	35440--H1304B	05313074	11/09/05
19	35441--H1408B	05313075	11/09/05
20	35442--H16B	05313076	11/09/05
21	35443--B	05313077	11/09/05
22	35444--H76C	05313078	11/09/05
23	35445--H810C	05313079	11/09/05
24	35446--H102C	05313080	11/09/05
25	35447--H116C	05313081	11/09/05
26	35448--H1210C	05313082	11/09/05
27	35449--H142C	05313008	11/09/05
28	35450--H156C	05313012	11/09/05
29	35451--H1610C	05313018	11/09/05
30	35452--H182C	05313083	11/09/05
31	35453--C	05313019	11/09/05
32	35454--CG	05313084	11/09/05
33	35455--H8D	05313085	11/09/05
34	35456--H94D	05313086	11/09/05
35	35457--D	05313087	11/09/05
36	35458--H748E	05313088	11/09/05

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37	35459--H948E	05313089	11/09/05
38	35460--ES1	05313090	11/09/05
39	35461--ES2	05313091	11/09/05
40	35462--ES3	05313092	11/09/05
41	35463--ES	05313093	11/09/05
42	35464--FG	05313094	11/09/05
43	35465--F	05313095	11/09/05
44	35466--GGE	05313096	11/09/05
45	35467--G	05313020	11/09/05
46	35468--GG	05313097	11/09/05
47	35469--EJ8	05313098	11/09/05
48	35470--CJ14	05313021	11/09/05
49	35471--HJ8	05313099	11/09/05
50	35472--CJ28	05313022	11/09/05
51	35473--CJ4	05313023	11/09/05
52	35474--CJ54	05313100	11/09/05
53	35475--CJ68	05313101	11/09/05
54	35476--HJ28	05313102	11/09/05
55	35477--HJ68	05313103	11/09/05
56	35478--EJ8T	05313024	11/09/05
57	35479--EJ8T1	05313104	11/09/05
58	35480--EJ8T2	05313025	11/09/05
59	35481--CJ14P	05313026	11/09/05
60	35482--HJ8P	05313105	11/09/05
61	35483--CJ28P	05313027	11/09/05
62	35484--CJ4P	05313041	11/09/05
63	35485--CJ54P	05313042	11/09/05
64	35486--CJ68P	05313043	11/09/05
65	35487--EJ8P	05313044	11/09/05
66	35488--CJ14T	05313045	11/09/05
67	35489--HJ8T	05313106	11/09/05
68	35490--HJ68T	05313107	11/09/05
69	35491--CJ28T	05313046	11/09/05
70	35492--CJ4T	05313047	11/09/05
71	35493--CJ54T	05313048	11/09/05
72	35494--CJ68T	05313049	11/09/05

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SS0487-Z0109095751

Truss Fabricator:	Anderson Truss Company
Job Identification:	5-344-ISAAC CONST/HUBER - ROOF
Truss Count:	135
Model Code:	Florida Building Code
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.04.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 45.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Notes:

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

Seal Date: 11/09/2005

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

Details: BRCLBSUB-A11030EC-GBLLETIN-A11015EC

#	Ref	Description	Drawing#	Date
73	35495	H68TG	05313108	11/09/05
74	35496	EJ8T	05313050	11/09/05
75	35497	H8TG	05313109	11/09/05
76	35498	EJ4T	05313051	11/09/05
77	35499	CJ68TG	05313110	11/09/05
78	35500	HJ4T	05313111	11/09/05
79	35501	HJ54T	05313112	11/09/05
80	35502	H14M	05313113	11/09/05
81	35503	H14T	05313114	11/09/05
82	35504	H2M	05313115	11/09/05
83	35505	HJ14T	05313116	11/09/05
84	35506	EJ54G	05313117	11/09/05
85	35507	HTG	05313118	11/09/05
86	35508	H4K	05313119	11/09/05
87	35509	KG	05313120	11/09/05
88	35510	MB	05313121	11/09/05
89	35511	MB	05313122	11/09/05
90	35512	MBH	05313123	11/09/05
91	35513	MBH1	05313124	11/09/05
92	35514	MBH2	05313125	11/09/05
93	35515	MBH3	05313126	11/09/05
94	35516	MBGE	05313127	11/09/05
95	35517	MFGE	05313128	11/09/05
96	35518	MGB	05313129	11/09/05
97	35519	MPGE	05313130	11/09/05
98	35520	MDR	05313161	11/09/05
99	35521	MDL	05313131	11/09/05
100	35522	H28M	05313132	11/09/05
101	35523	MG	05313133	11/09/05
102	35524	MD	05313052	11/09/05
103	35525	MF	05313053	11/09/05
104	35526	MP	05313054	11/09/05
105	35527	ML	05313055	11/09/05
106	35528	MLG	05313134	11/09/05
107	35529	N	05313135	11/09/05
108	35530	NGE	05313136	11/09/05

#	Ref	Description	Drawing#	Date
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110	35532	N	05313056	11/09/05
111	35533	H68O	05313138	11/09/05
112	35534	H8P	05313139	11/09/05
113	35535	P	05313140	11/09/05
114	35536	H94P	05313141	11/09/05
115	35537	H108P	05313142	11/09/05
116	35538	H12P	05313143	11/09/05
117	35539	H1304P	05313144	11/09/05
118	35540	H1408P	05313145	11/09/05
119	35541	H68R	05313146	11/09/05
120	35542	R	05313057	11/09/05
121	35543	RS	05313058	11/09/05
122	35544	RG	05313147	11/09/05
123	35545	H510S	05313148	11/09/05
124	35546	H72S	05313149	11/09/05
125	35547	S	05313059	11/09/05
126	35548	SG	05313150	11/09/05
127	35549	H54T	05313151	11/09/05
128	35550	H54MT	05313152	11/09/05
129	35551	T	05313060	11/09/05
130	35552	T	05313153	11/09/05
131	35553	T	05313154	11/09/05
132	35554	H68MT	05313155	11/09/05
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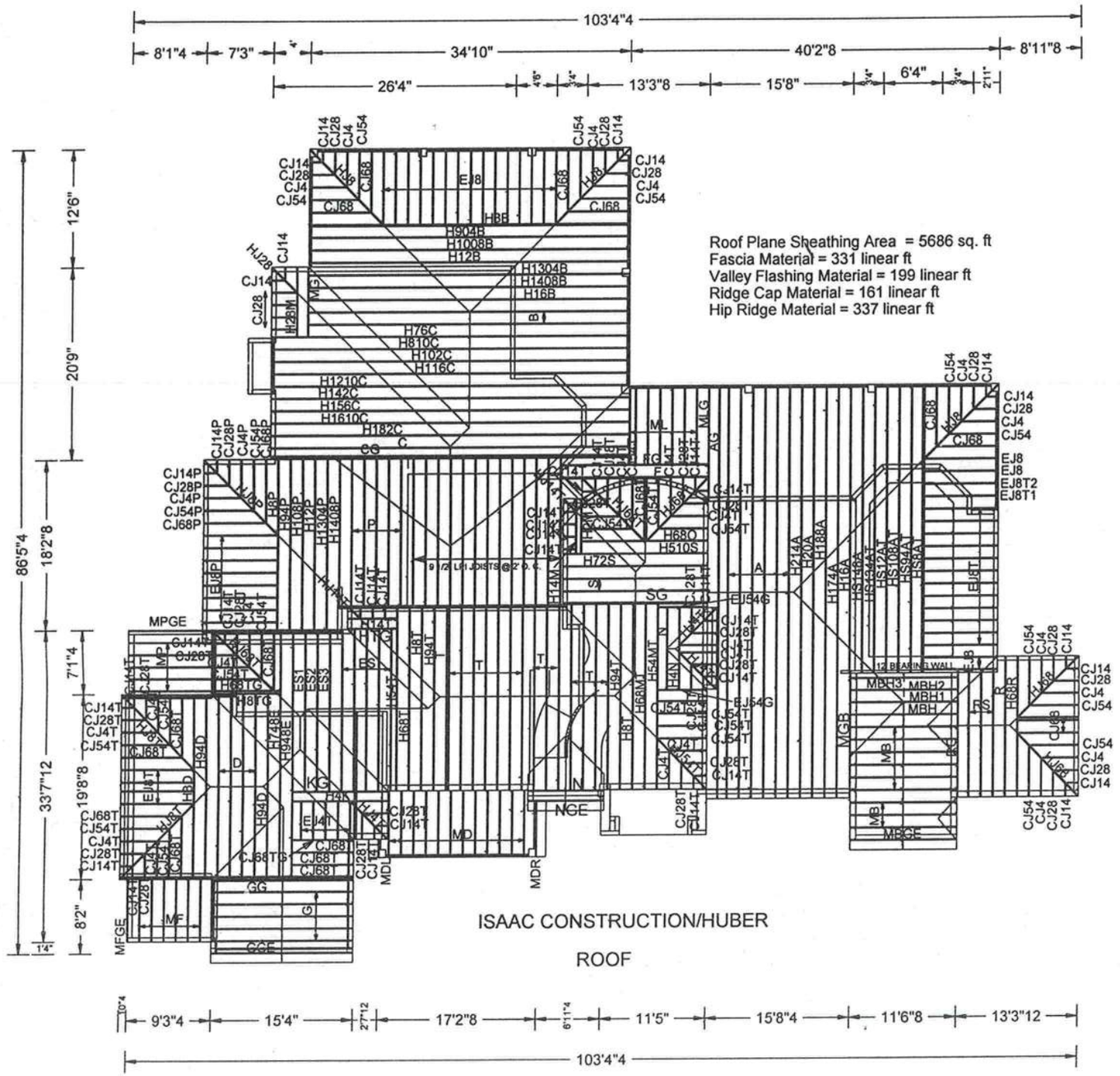
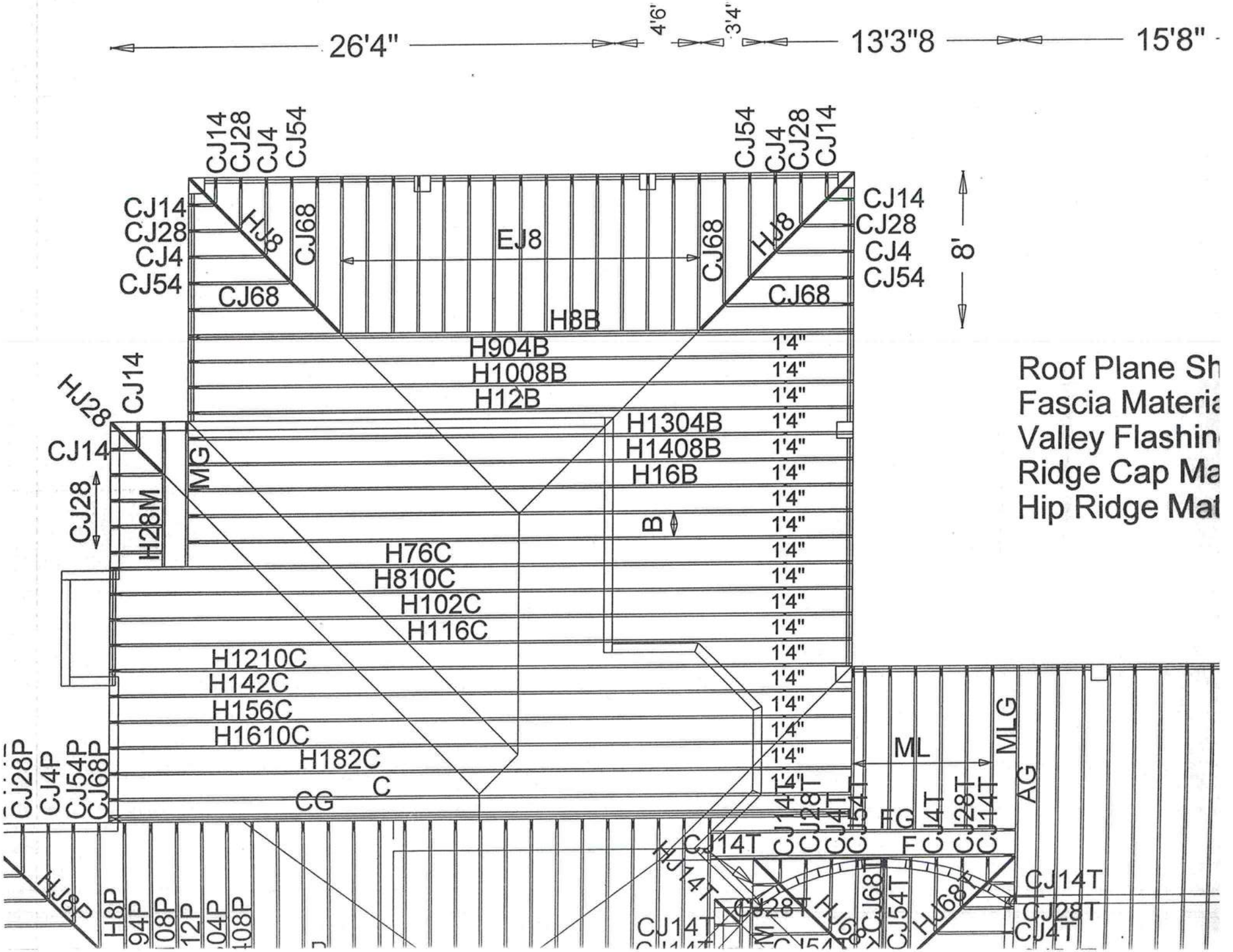
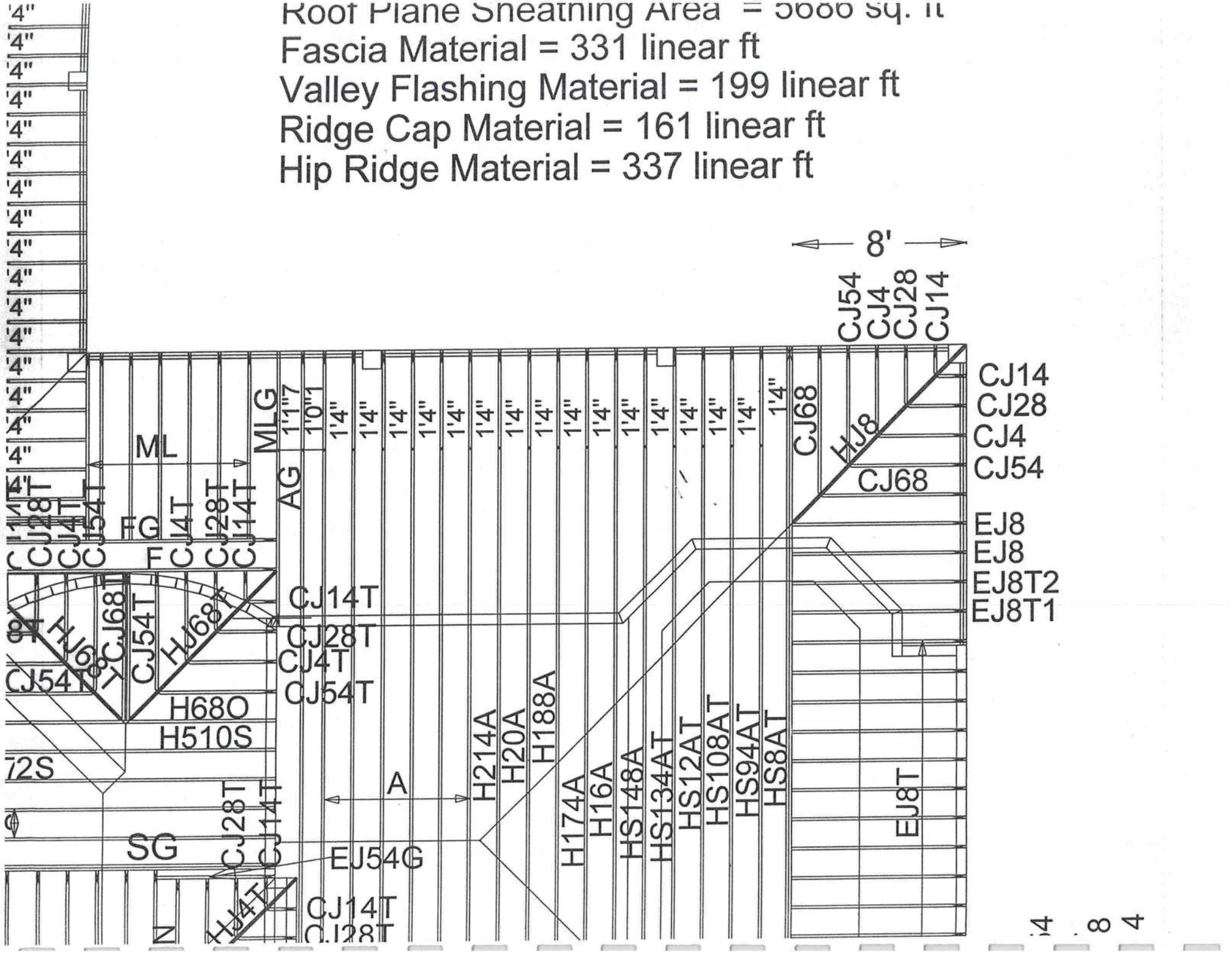


719-7143

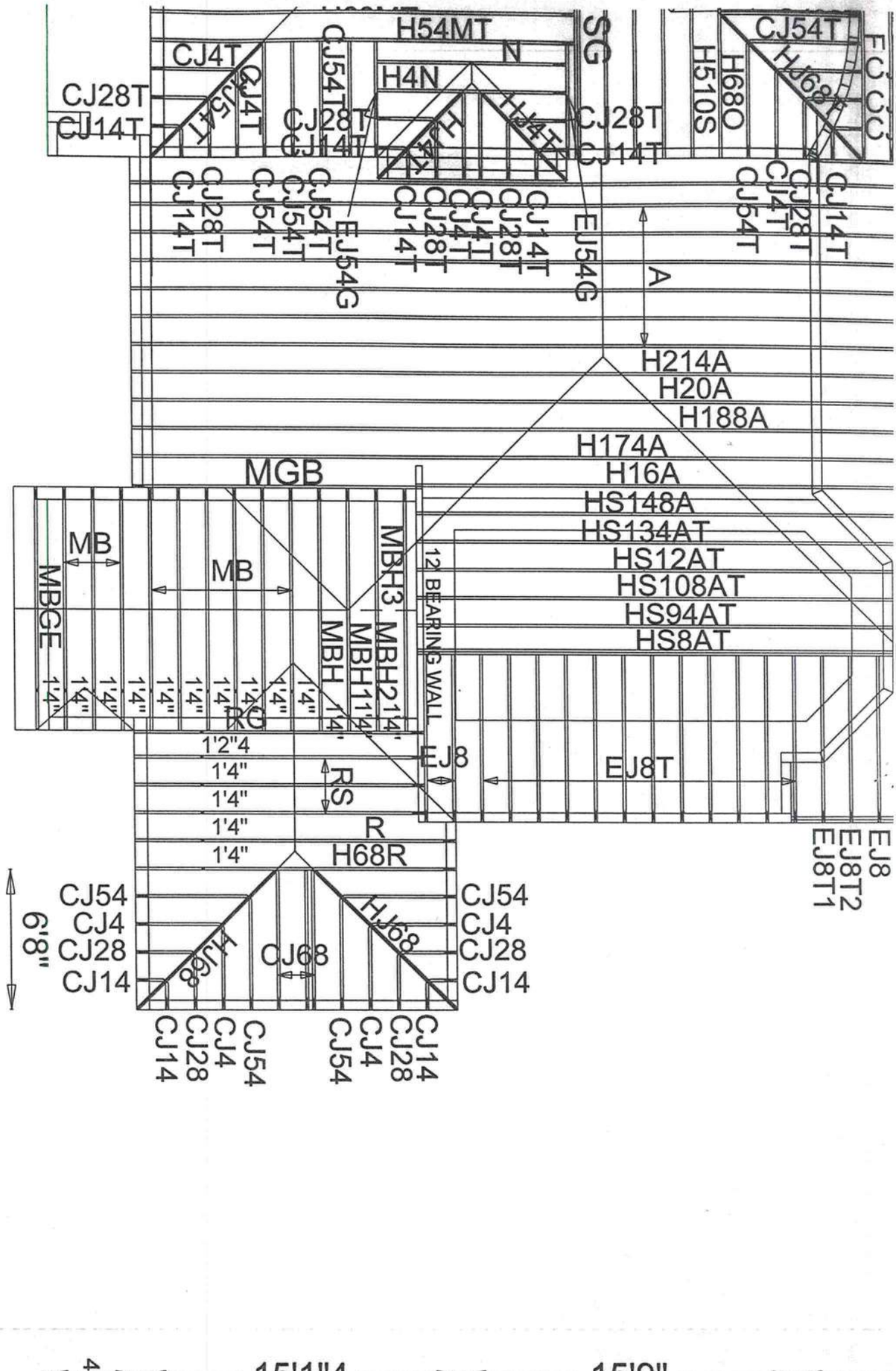
JOB LOCATION:	
JOB DESCRIPTION:	ISAAC CONST/HUBER - ROOF
DESIGNED BY:	
JOB NO:	5-344
PAGE NO:	1 OF 1


26'4"
4'6"
3'4"
13'3"8
15'8"
8'
CJ14
CJ28
CJ4
CJ54
CJ68
HJ8
EJ8
H8B
H904B
H1008B
H12B
H1304B
H1408B
H16B
H76C
H810C
H102C
H116C
H1210C
H142C
H156C
H1610C
H182C
HJ28
MG
H28M
B
C
CG
ML
MLG
AG
FG
CJ14T
CJ28T
CJ4T
CJ54T
HJ68T
CJ28P
CJ4P
CJ54P
CJ68P
HJ8P
H8P
Roof Plane Sh
Fascia Materia
Valley Flashin
Ridge Cap Ma
Hip Ridge Mat

Roof Plane Sheathing Area = 5686 sq. ft
Fascia Material = 331 linear ft
Valley Flashing Material = 199 linear ft
Ridge Cap Material = 161 linear ft
Hip Ridge Material = 337 linear ft



CTION/HUBER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N
SG
CJ54T
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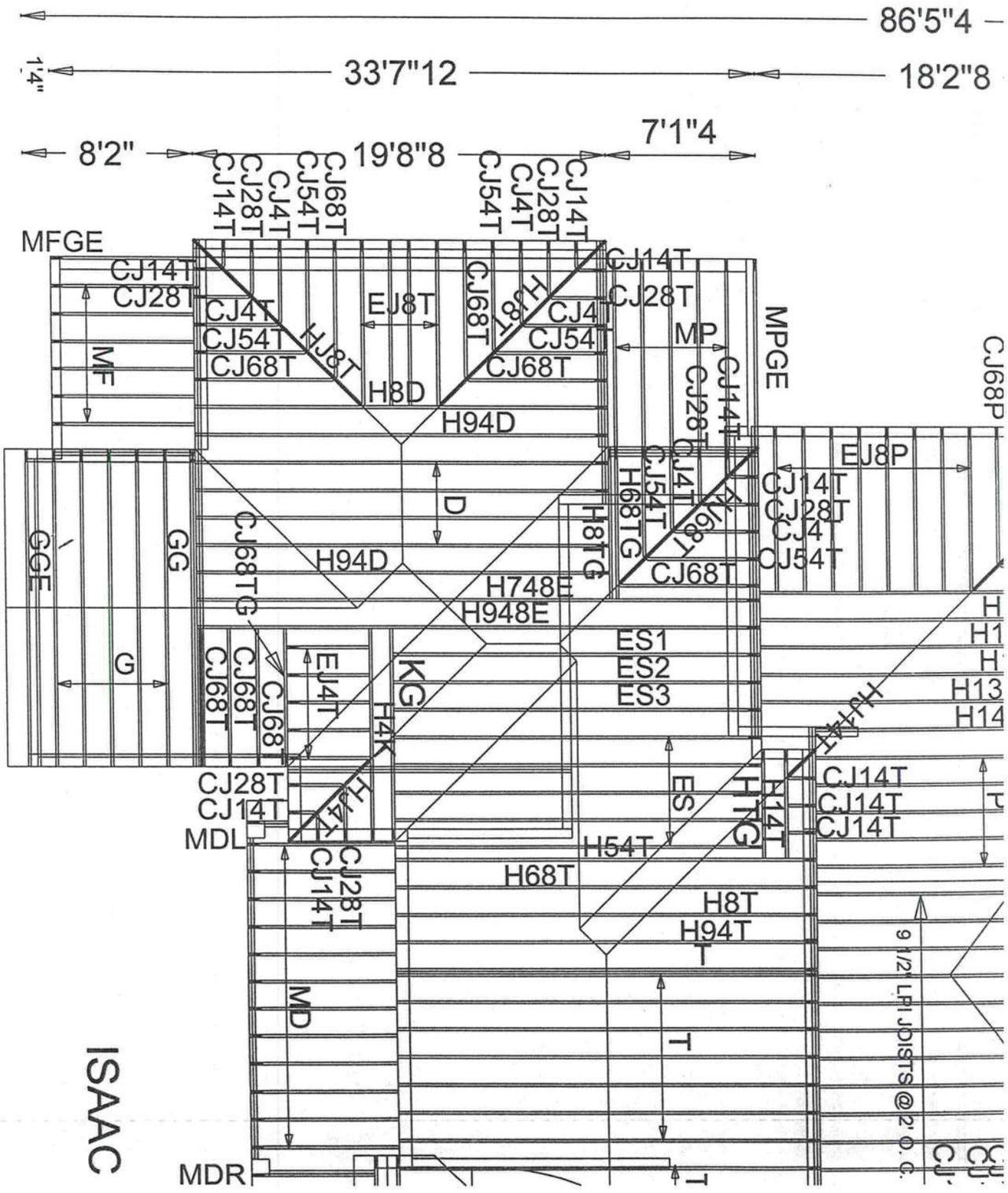
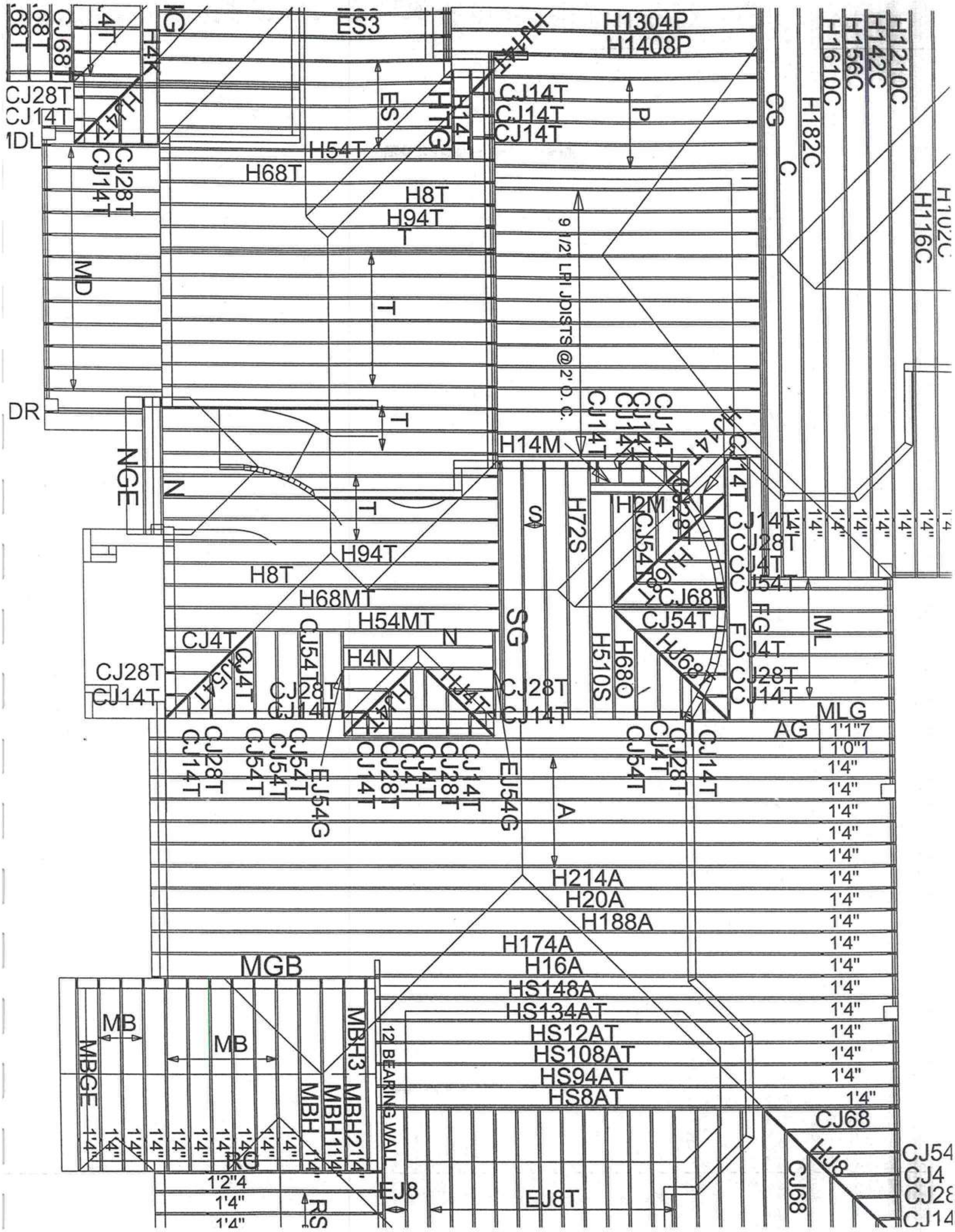
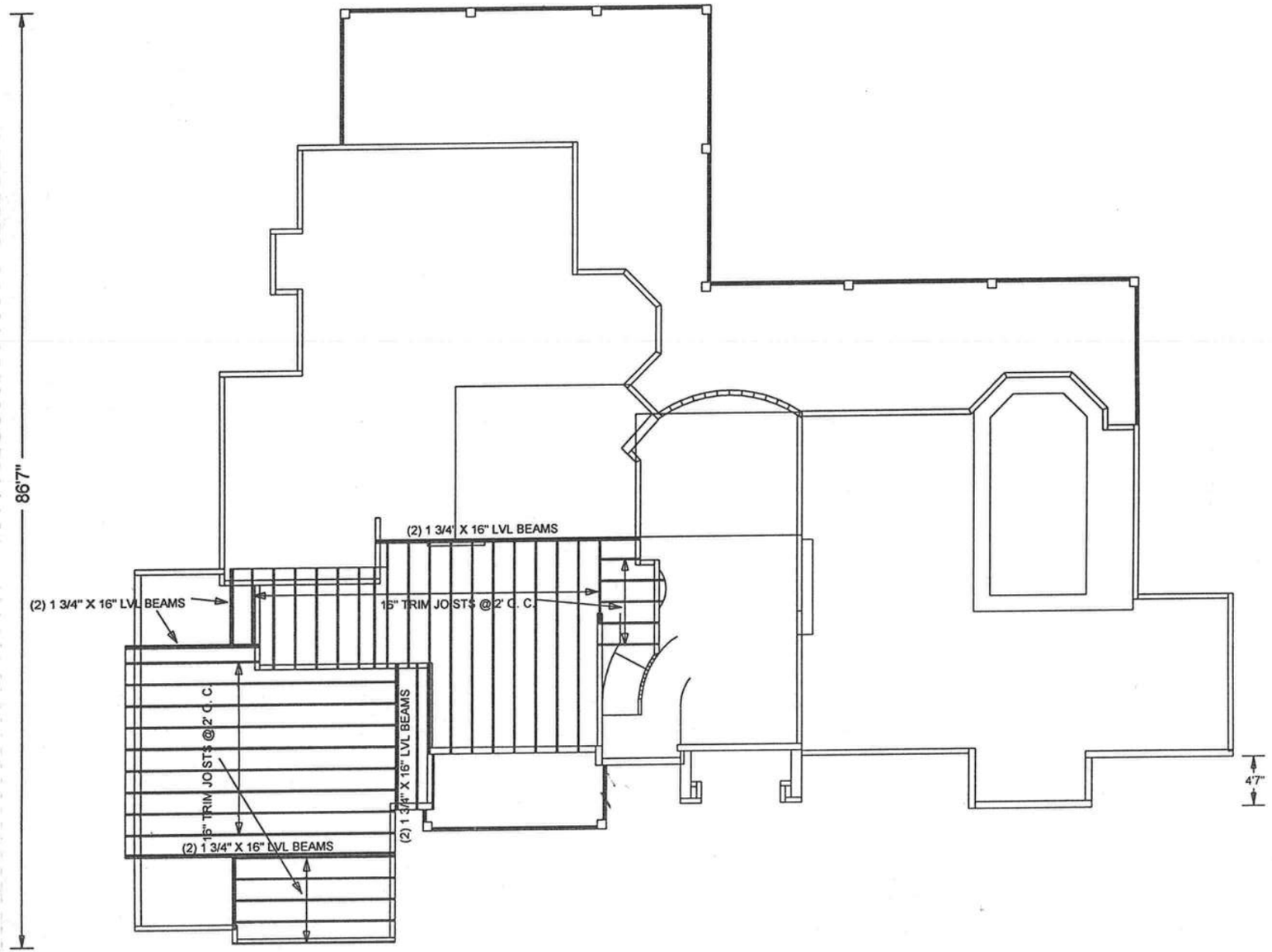
H510S
CJ4T
CJ28T
CJ14T
H4N
H214A
H20A
H188A
H174A
H16A
HS148A
HS134AT
HS12AT
HS108AT
HS94AT
HS8AT
MGB
MB
MBH3
MBH2
MBH1
MBGE
12" BEARING WALL
EJ54G
EJ8T
EJ8
EJ8T2
EJ8T1
RS
R
H68R
CJ54
CJ4
CJ28
CJ14
CJ68
HJ68
6'8"
4'7"
15'1"4
15'9"


86'5"4
33'7"12
18'2"8
1'4"
8'2"
19'8"8
7'1"4
MFGE
MPGE
MF
MP
MD
MDL
MDR
D
G
GG
GGE
KG
HTG
ES
ES1
ES2
ES3
T
CJ14T
CJ28T
CJ4T
CJ54T
CJ68T
EJ8T
HJ8T
H8D
H94D
EJ8P
CJ68P
H68TG
H8TG
H748E
H948E
EJ4T
H4K
H54T
H68T
H8T
H94T
9 1/2" LPI JOISTS @ 2' O. C.
ISAAC



ES3
H1304P
H1408P
CJ28T
CJ14T
DL
CJ14T
CJ14T
CJ14T
P
ES
H54T
H68T
H8T
H94T
T
MD
T
T
9 1/2" LPI JOISTS @ 2' O. C.
H1210C
H142C
H156C
H1610C
H182C
CG
C
H116C
DR
NGE
N
H14M
H2M
S
H72S
H94T
H8T
H68MT
H54MT
N
H4N
CJ4T
CJ28T
CJ14T
CJ28T
CJ14T
CJ28T
CJ14T
SG
H510S
H68O
CJ68T
CJ54T
CJ14T
CJ28T
CJ4T
CJ54T
FG
F
CJ4T
CJ28T
CJ14T
ML
MLG
AG
1'1"7
1'0"1
1'4"
EJ54G
A
H214A
H20A
H188A
H174A
H16A
HS148A
HS134AT
HS12AT
HS108AT
HS94AT
HS8AT
MGB
MB
MB
MBGE
MBH3
MBH2
MBH1
MBH
12' BEARING WALL
RG
1'2"4
1'4"
RS
EJ8
EJ8T
CJ68
HJ8
CJ68
CJ54
CJ4
CJ28
CJ14



ISAAC CONSTRUCTION/HUBER
FLOOR

JOB LOCATION:

JOB DESCRIPTION: ISAAC CONST/HUBER - FLOOR

DESIGNED BY:

JOB NO: 5-344A

(5-344-ISAAC CONST/HUBER - ROOF - AG)

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

Dead loads are stated on projected horizontal area basis.

(A) Continuous lateral bracing equally spaced on member.

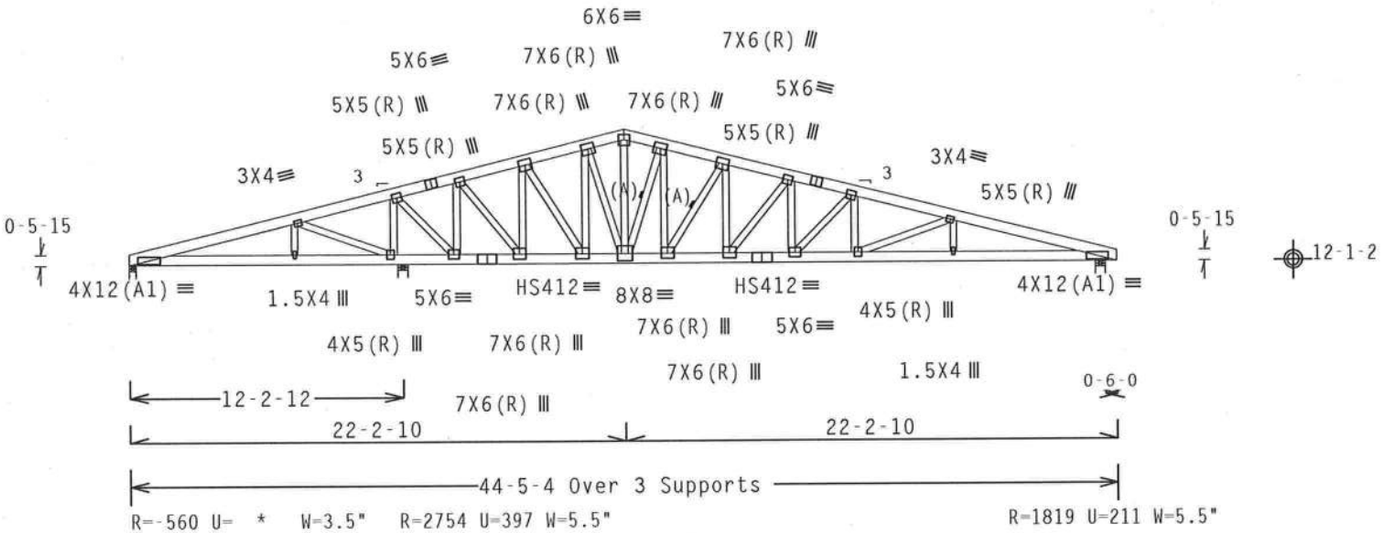
** Wall girder loading on this truss. **

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 68 PLF at 23.83 to 68 PLF at 32.75
BC - From 383 PLF at 23.83 to 383 PLF at 32.75

110 mph wind, 15.36 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

* PROVIDE CONNECTION FOR 560# UP OR DOWN AT A 1.25 DURATION FACTOR.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35423
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313061
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126836
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H174A)

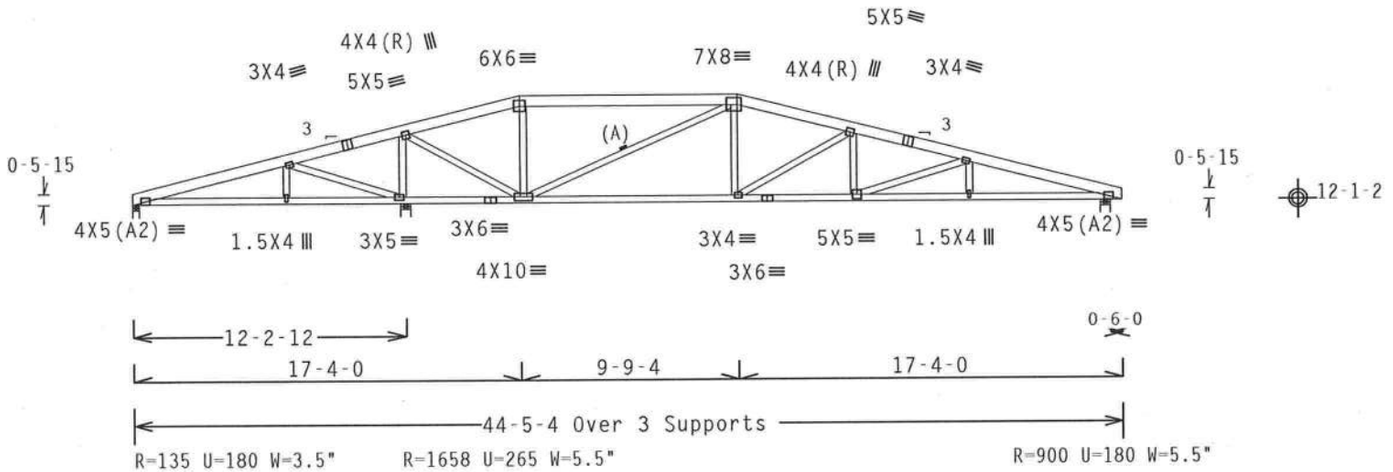
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 5.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV [illegible] 05

TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF	R487-- 35424
DATE	11/09/05
DRW	HCUSR487 05313160
HC-ENG	JB/AF
SEQN-	160781
JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H168A)

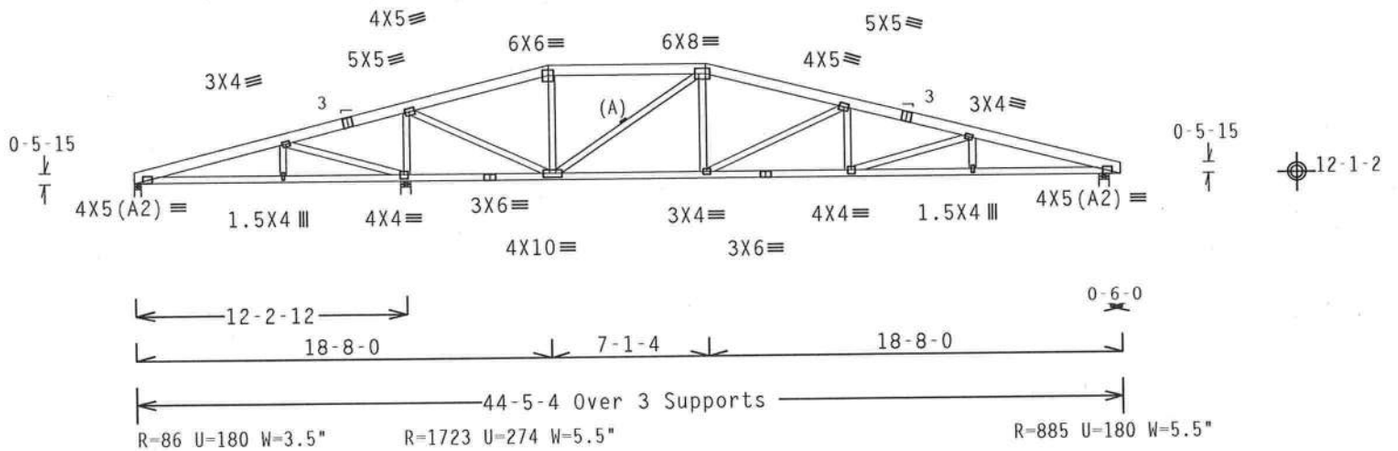
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.92 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 5.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35425
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313062
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160775
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - H20A)

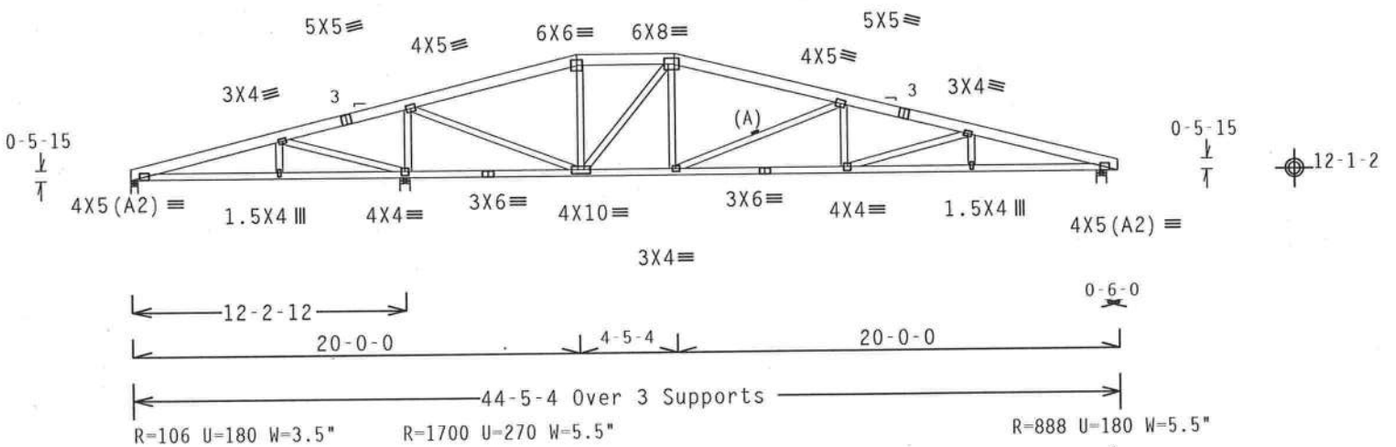
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.09 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 5.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE

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

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35426
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313063
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160770
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOOER - ROOF - H214A)

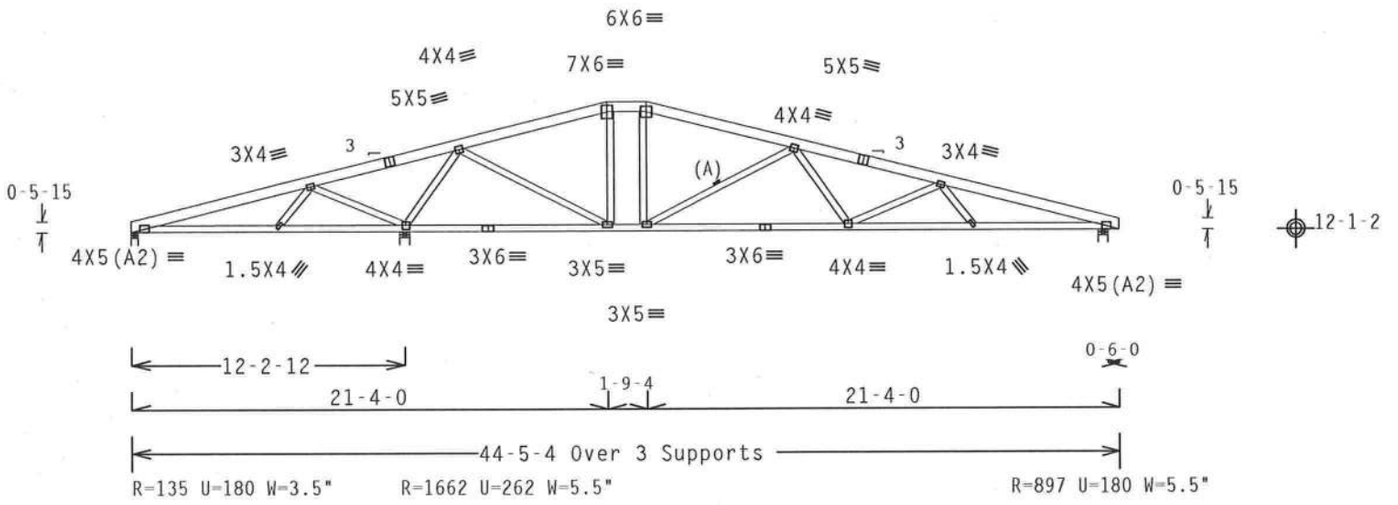
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.25 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 5.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave

TY:1 FL/-/3/-/-/R/- Scale =.125"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF	R487-- 35427
DATE	11/09/05
DRW	HCUSR487 05313064
	HC-ENG JB/AF
SEQN-	160763
JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - A)

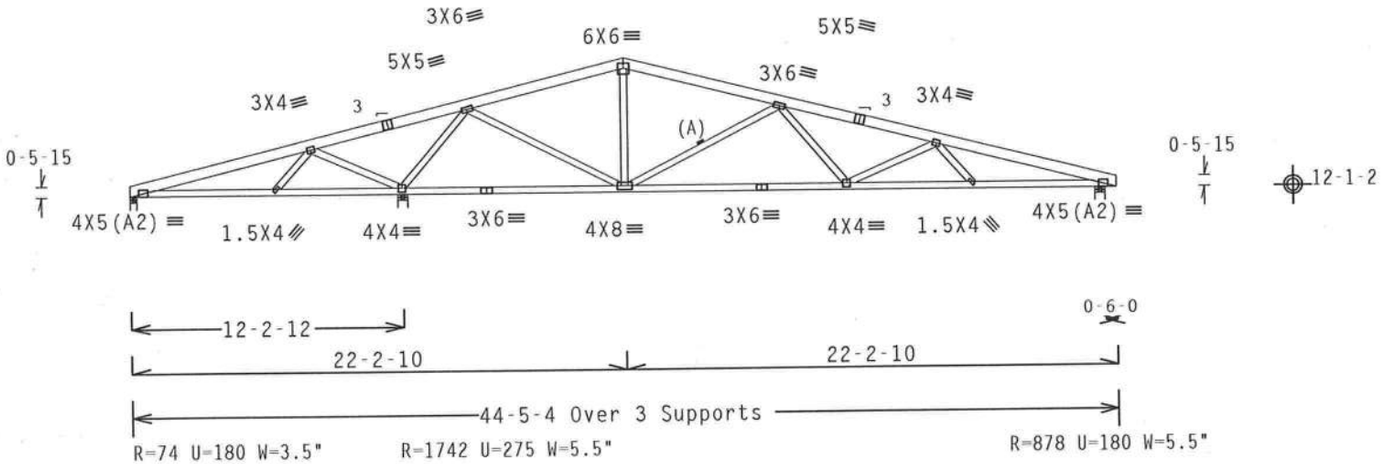
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.36 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 5.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:6 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35428
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313065
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160791
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HS148A)

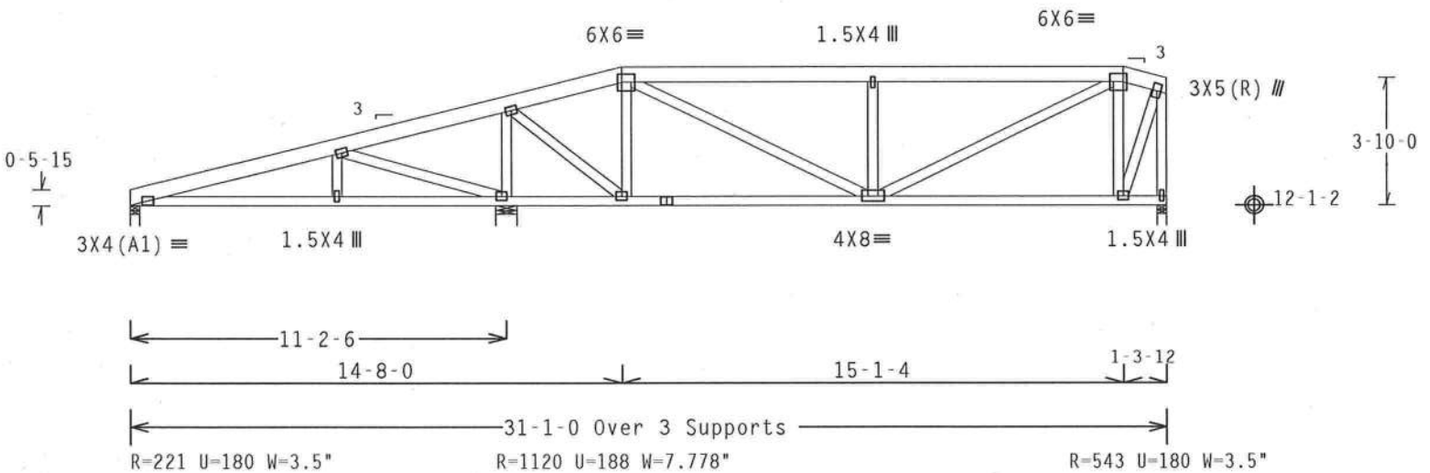
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.42 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.00 TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35429
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313066
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	126704
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H10A)

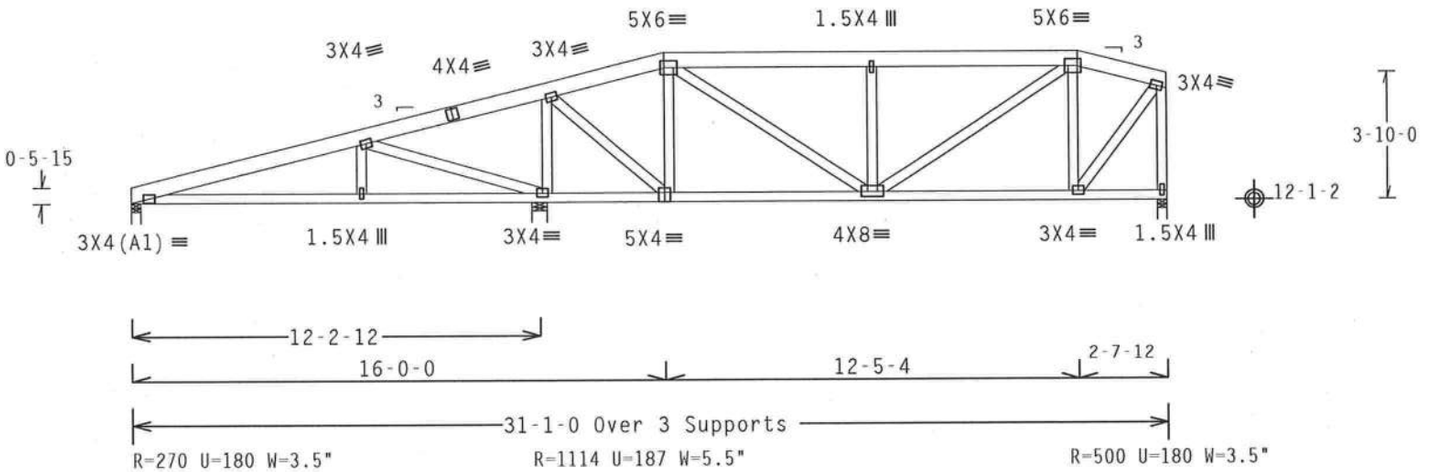
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1

PLT TYP. Wave

FL/-/3/-/-/R/-

Scale =.1875"/Ft.

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

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IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov [illegible] '05

TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF	R487-- 35430
DATE	11/09/05
DRW	HCUSR487 05313067
HC-ENG	JB/AF
SEQN-	160727
JREF-	1SS0487_Z01

(J-344-ISAAC CONST)HOBER - ROOF - HSGAT)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Splice Block 2x4 SP #3:

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

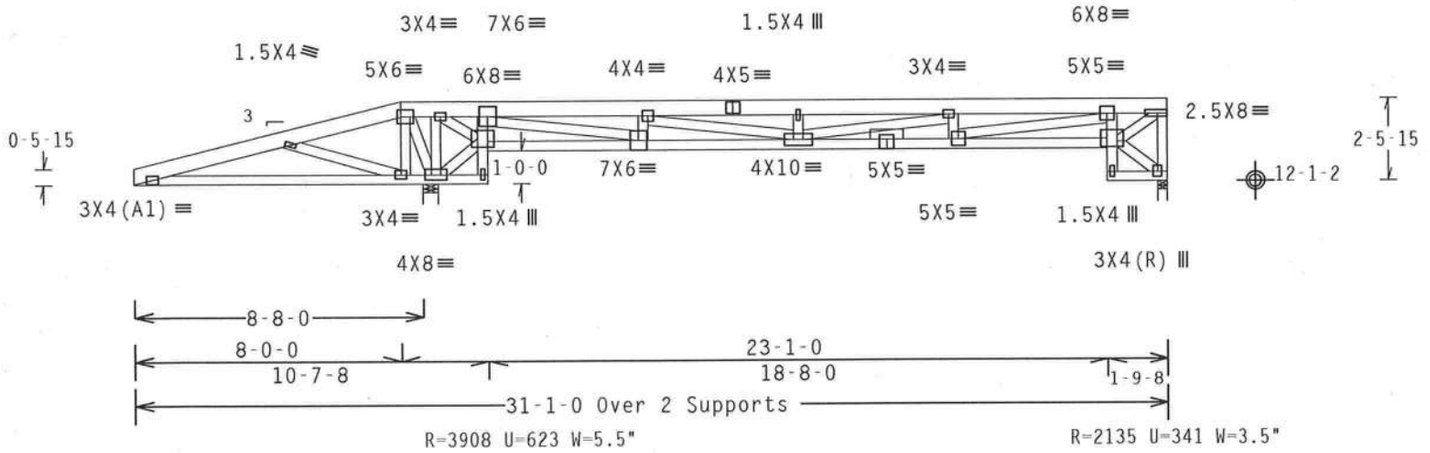
#1 hip supports 8-0-0 jacks with no webs.

2 COMPLETE TRUSSES REQUIRED

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

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 0 '05

TC LL	20.0 PSF	REF	R487-- 35431
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313068
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126636
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - HS94AT)

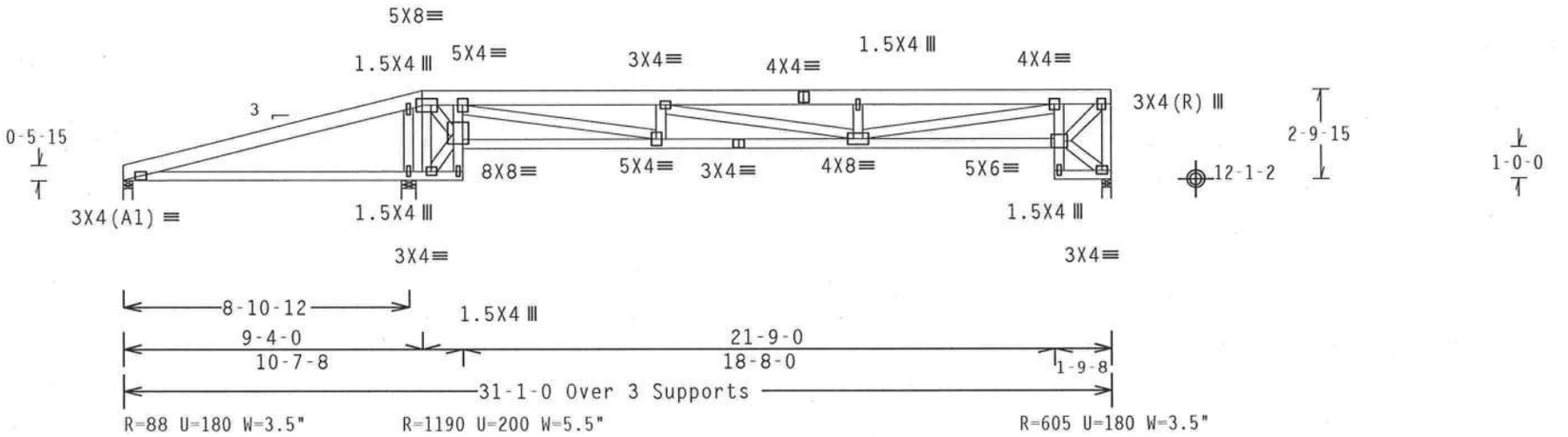
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov [illegible] '05

TC LL	20.0	PSF
TC DL	15.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	45.0	PSF
DUR.FAC.	1.25	
SPACING	16.0"	

REF	R487-- 35432
DATE	11/09/05
DRW	HCUSR487 05313069
	HC-ENG JB/AF
SEQN-	126667
	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HS100AT)

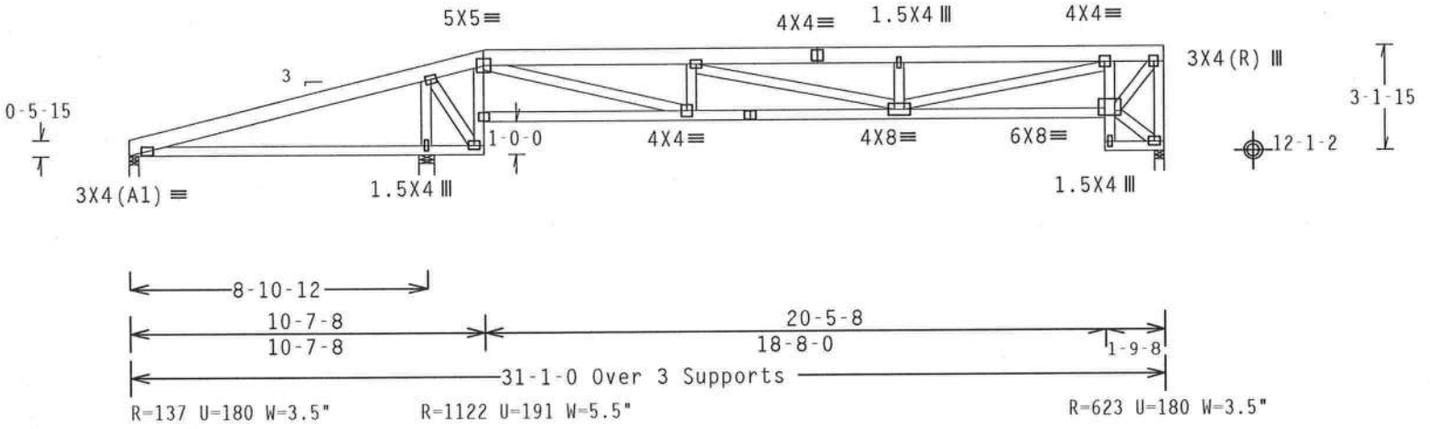
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.92 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35433
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313070
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126675
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HS12AT)

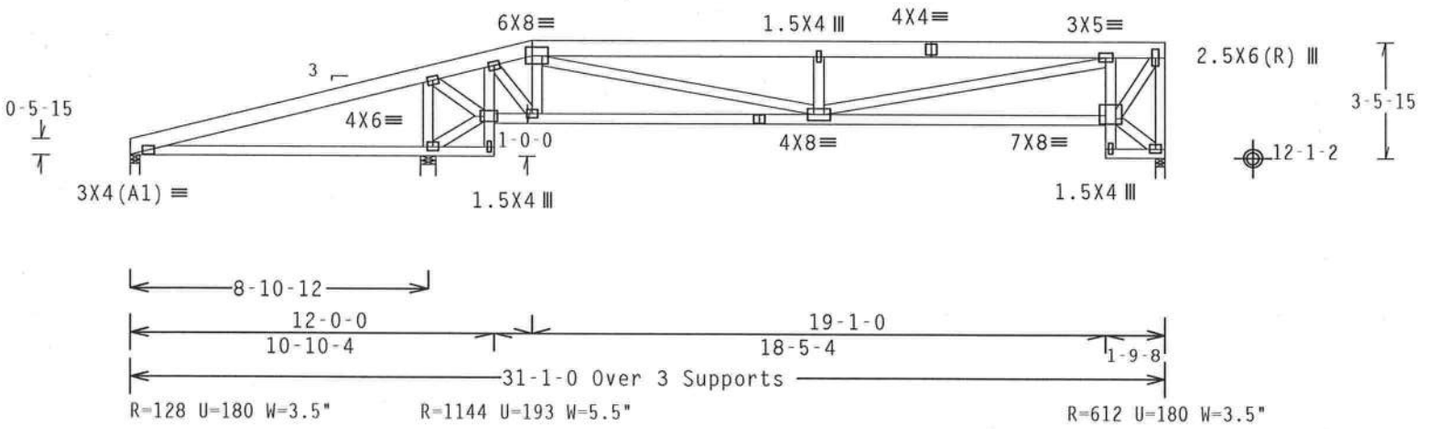
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.09 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 [illegible]

TC LL	20.0 PSF	REF	R487-- 35434
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313071
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126686
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HS134A1)

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

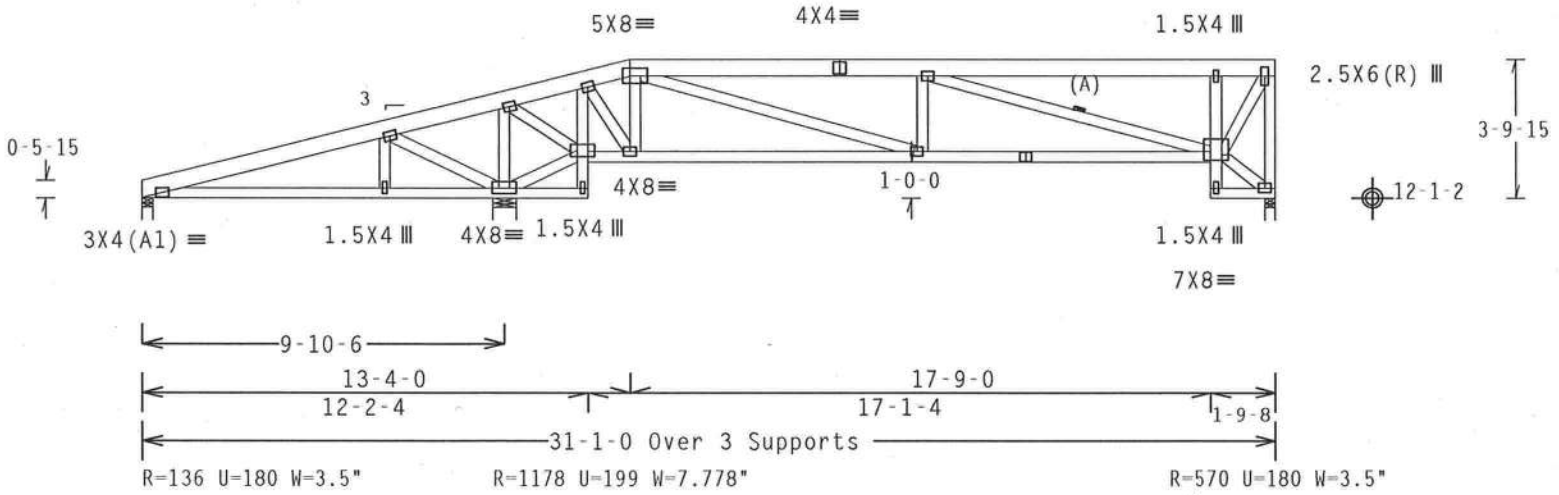
(A) Continuous lateral bracing equally spaced on member.

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.25 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35435
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313072
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126695
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H86)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

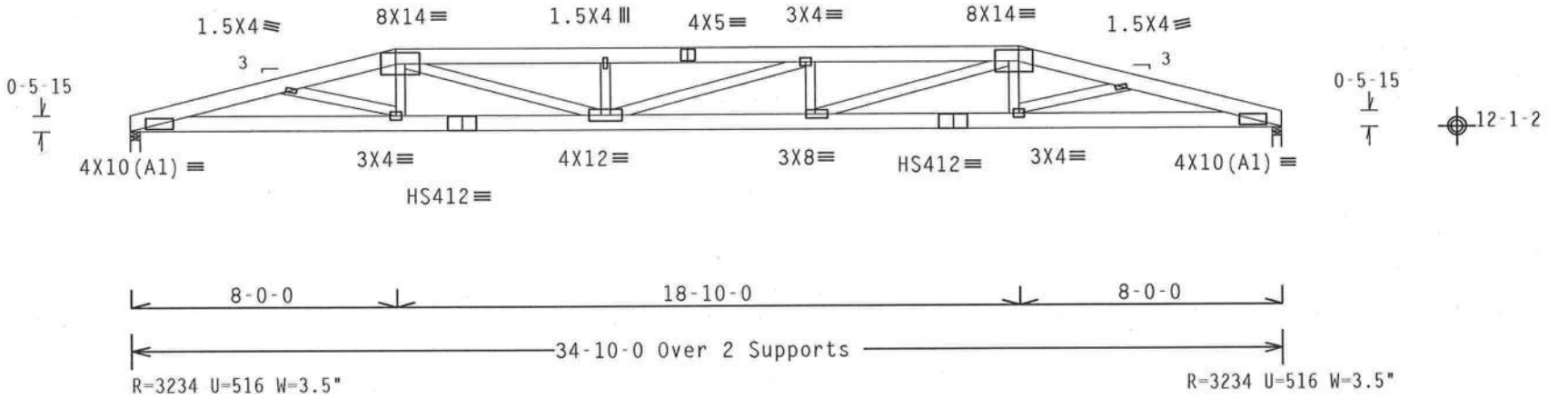
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @ 8.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#1 hip supports 8-0-0 jacks with no webs.

Calculated vertical deflection is 0.45" due to live load and 0.85" due to dead load at X = 14-3-15.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35436
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313073
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126148
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

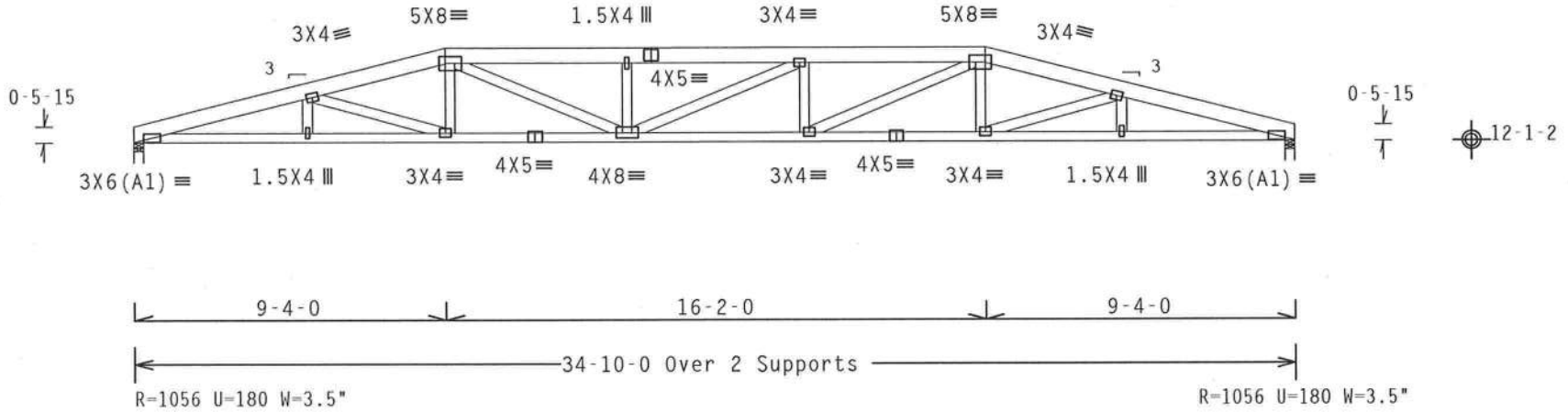
(5-344-ISAAC CONST/HUBER - ROOF - H9048)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 13.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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) 7.04.08 QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35437
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313159
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126153
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

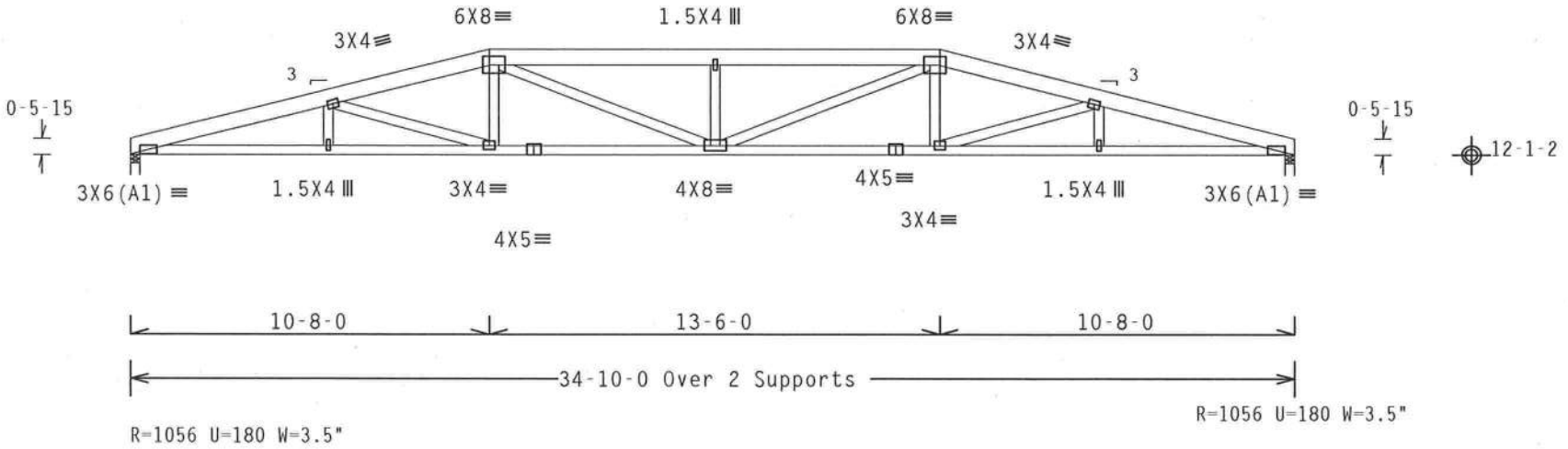
(5-344-ISAAC CONST/NUBER - ROOF - H1008B)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 13.92 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF	R487-- 35438
DATE	11/09/05
DRW	HCUSR487 05313001
HC-ENG	JB/AF *
SEQN-	126158
JREF-	1SS0487_Z01

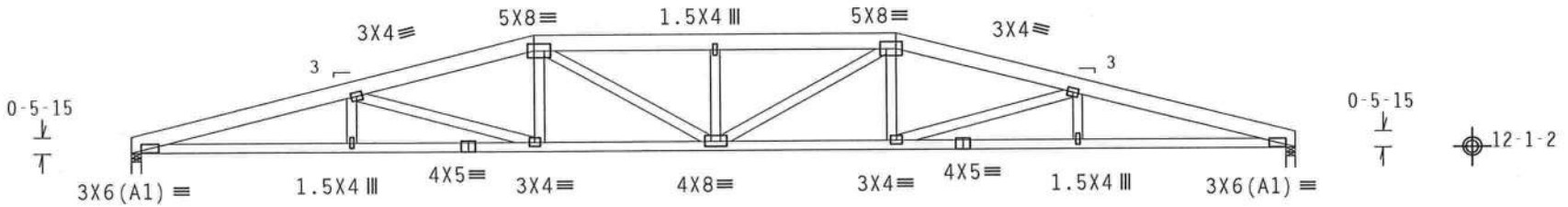
(5-344-ISAAC CONST/HUBER - ROOF - HIZB)

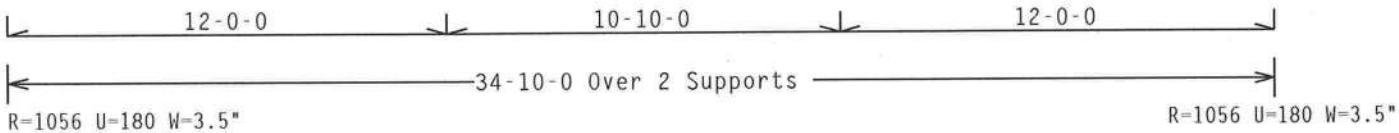
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.09 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] KEY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

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

NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35439
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313002
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126163
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - H1504B)

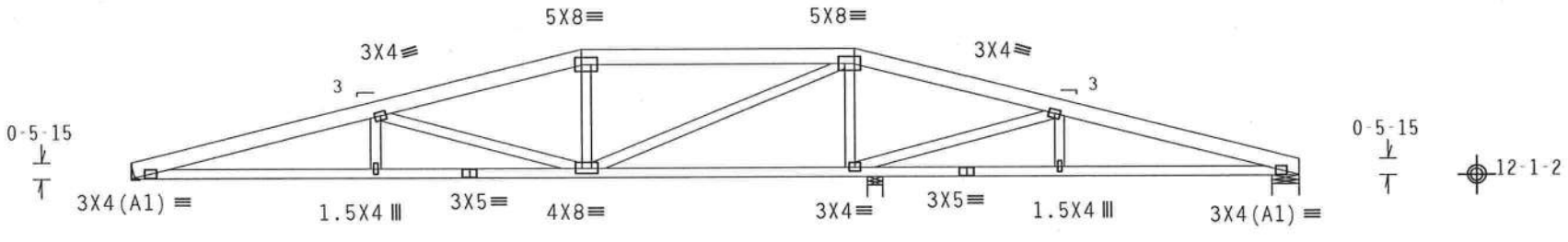
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 14.25 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=663 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1078 U=180 W=5.5"

R=371 U=180 W=10"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov [illegible] '05

TC LL	20.0 PSF	REF R487-- 35440
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313074
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126191
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H14088)

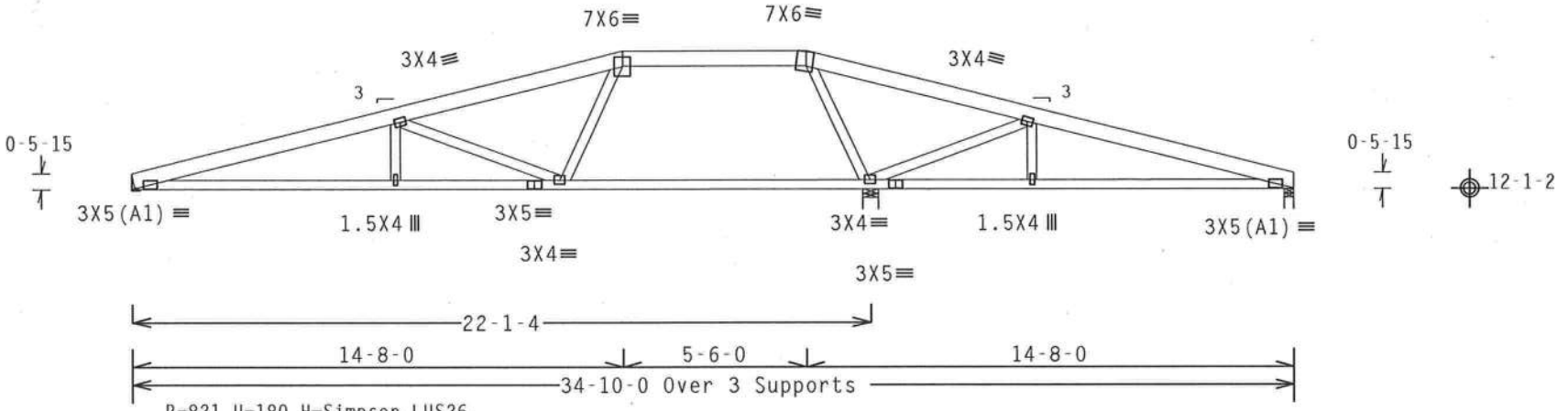
Top chord 2x6 SP #1 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 14.42 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=821 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=642 U=180 W=5.5"

R=648 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF R487-- 35441
DATE 11/09/05
DRW HCUSR487 05313075
HC-ENG JB/AF
SEQN- 126222
JREF- 1SS0487_Z01

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

(5-344-ISAAC CONST/HOBER - ROOF - H108)

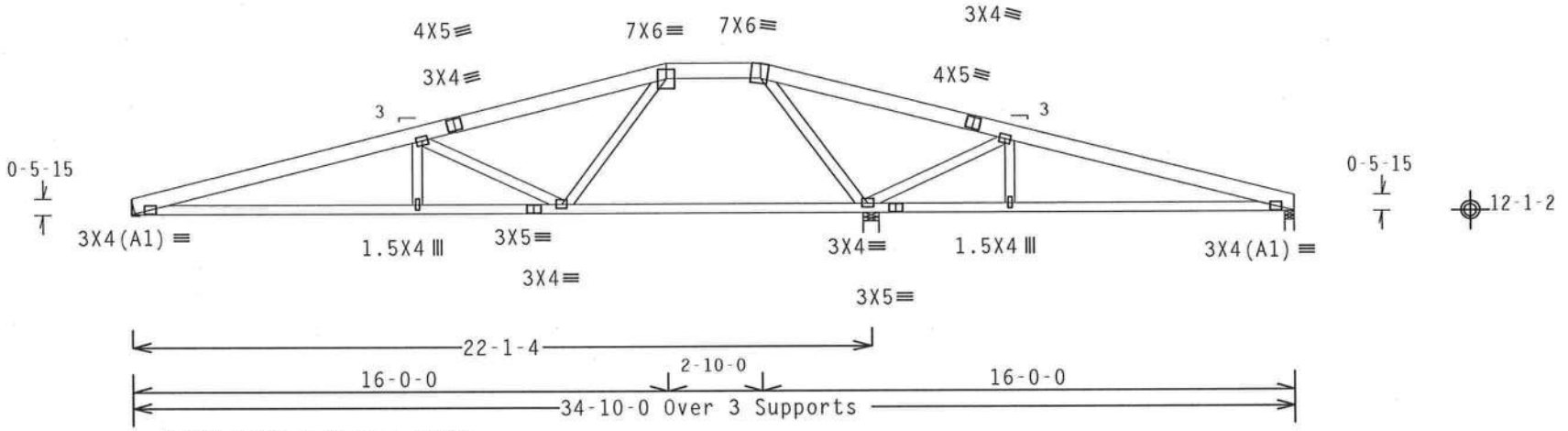
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 14.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=685 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1009 U=180 W=5.5"

R=418 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave

QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35442
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313076
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126237
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - B)

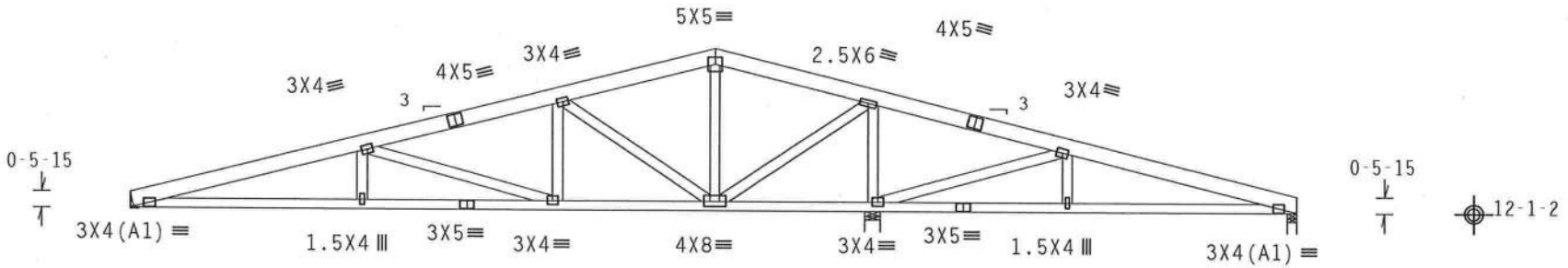
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



22-1-4

17-5-0

17-5-0

34-10-0 Over 3 Supports

R=555 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1392 U=220 W=5.5"

R=165 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:2 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35443
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313077
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126250
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H/GC)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense :B1 2x8 SP SS:
Webs 2x4 SP #3

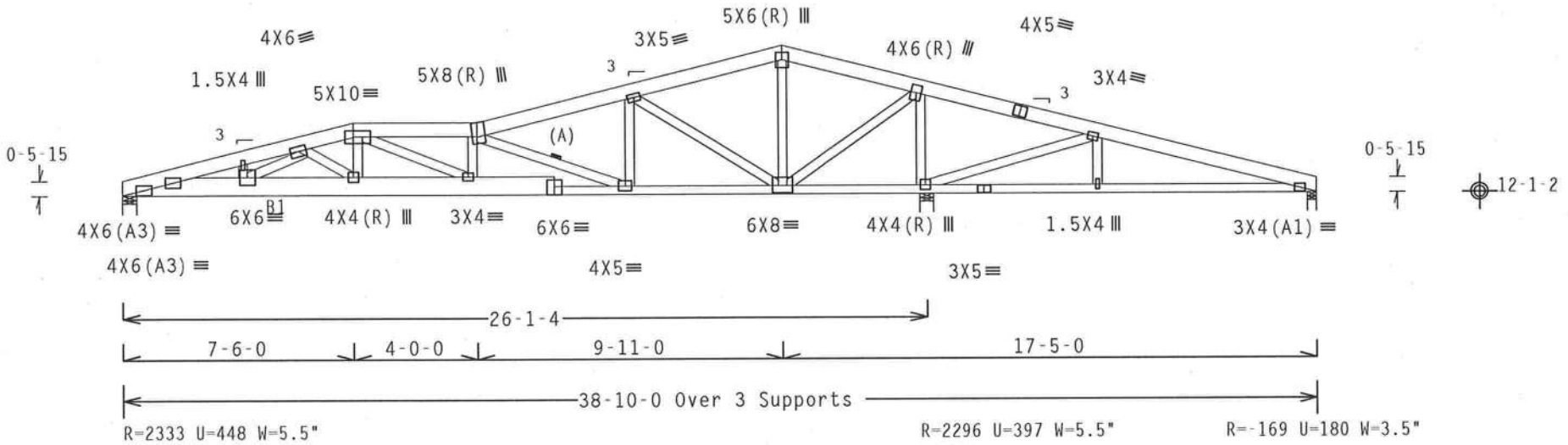
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(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.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 11.50
TC - From 47 PLF at 11.50 to 47 PLF at 38.83
BC - From 13 PLF at 0.00 to 13 PLF at 38.83
BC - 322 LB Conc. Load at 2.73
BC - 1783 LB Conc. Load at 3.94

Trusses to be spaced at 16.0" OC maximum.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0000 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35444
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313078
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	126335
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H810C)

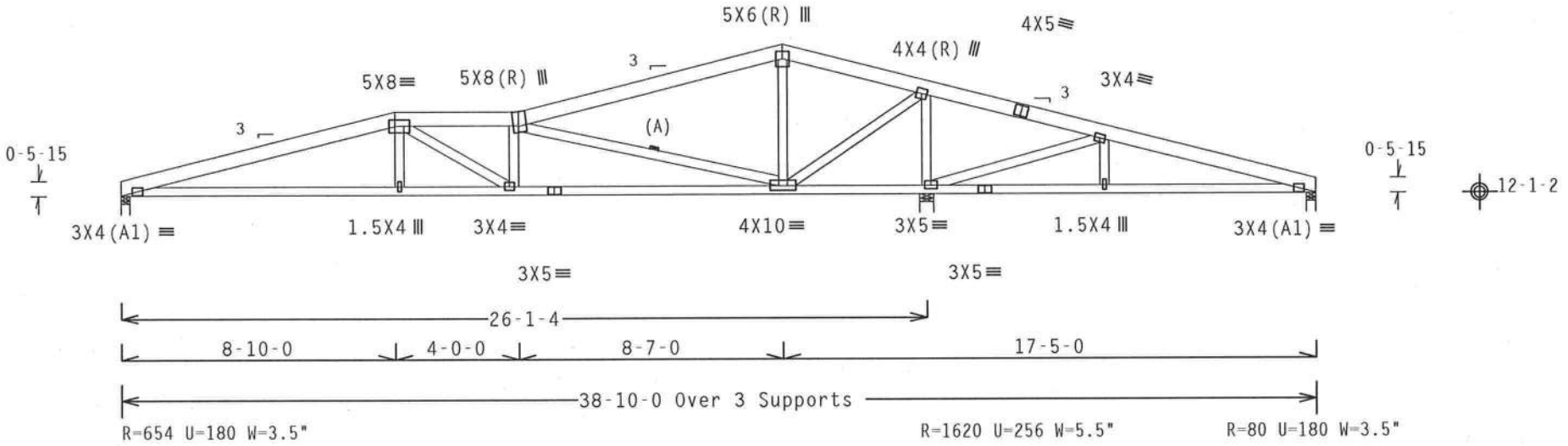
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave

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

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35445
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313079
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126356
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H102C)

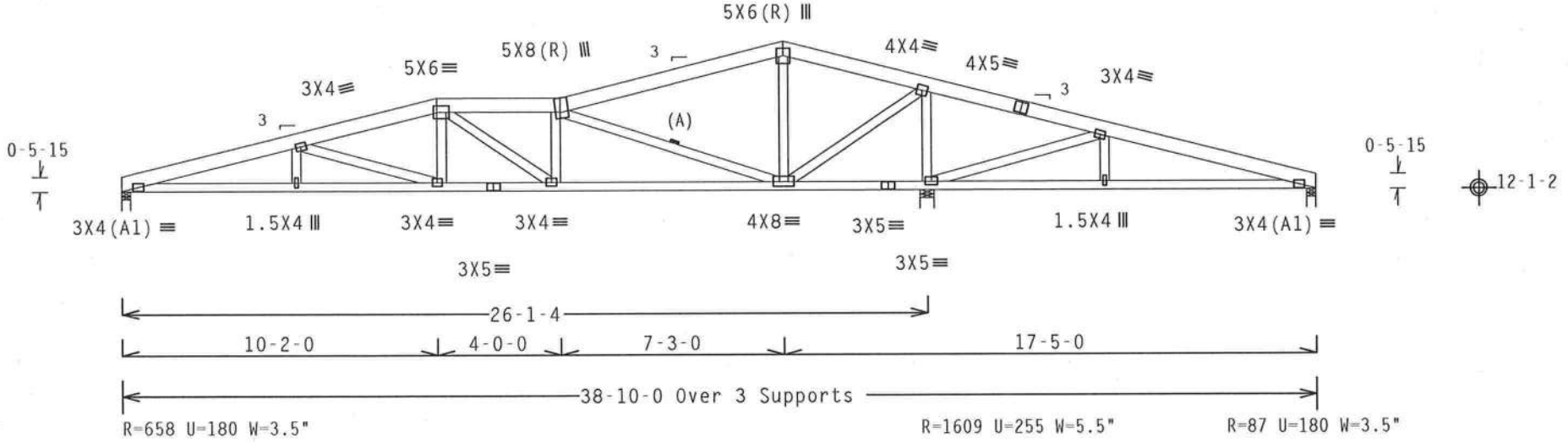
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35446
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313080
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126361
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

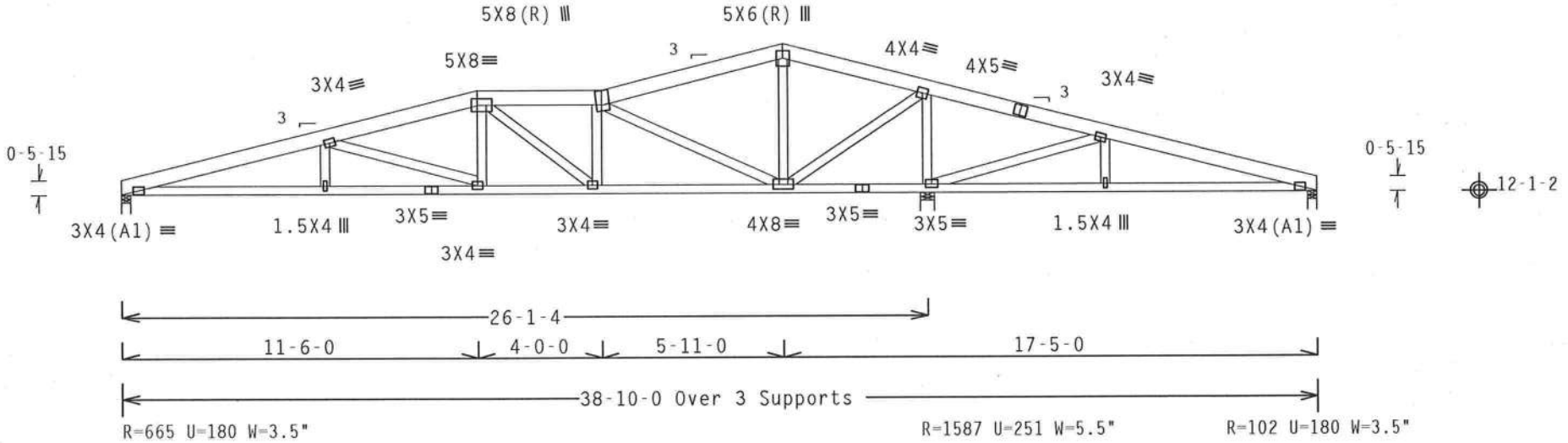
(5-344-ISAAC CONST/HUBER - ROOF - H116C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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TC LL	20.0 PSF	REF	R487-- 35447
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313081
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126368
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

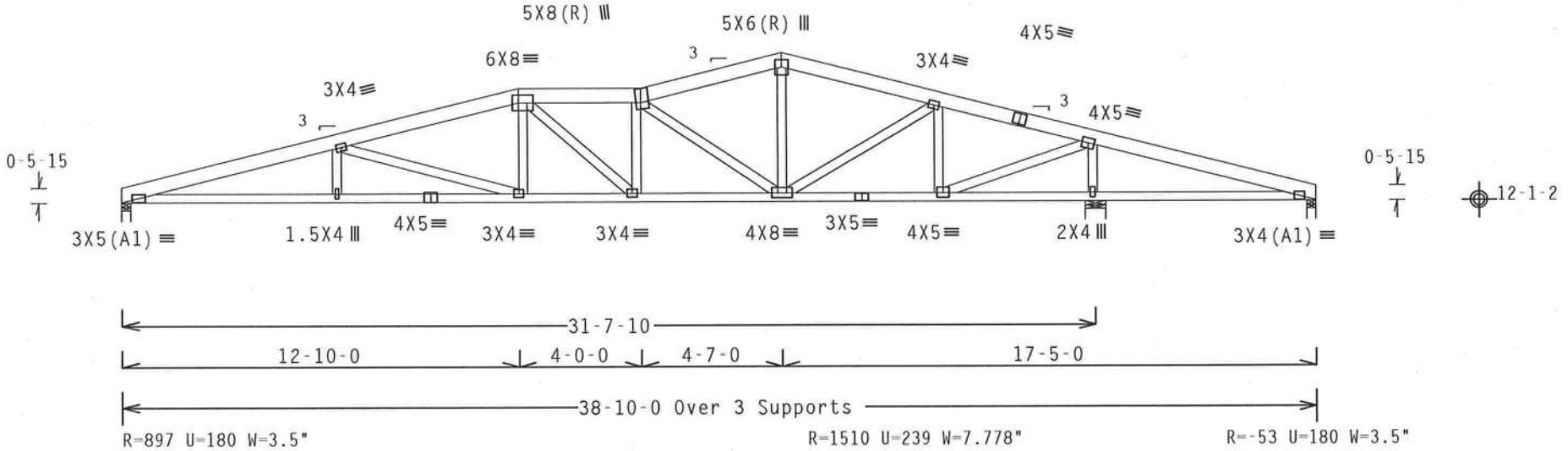
(5-344-ISAAC CONST/HUBER - ROOF - HI210C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35448
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313082
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126375
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

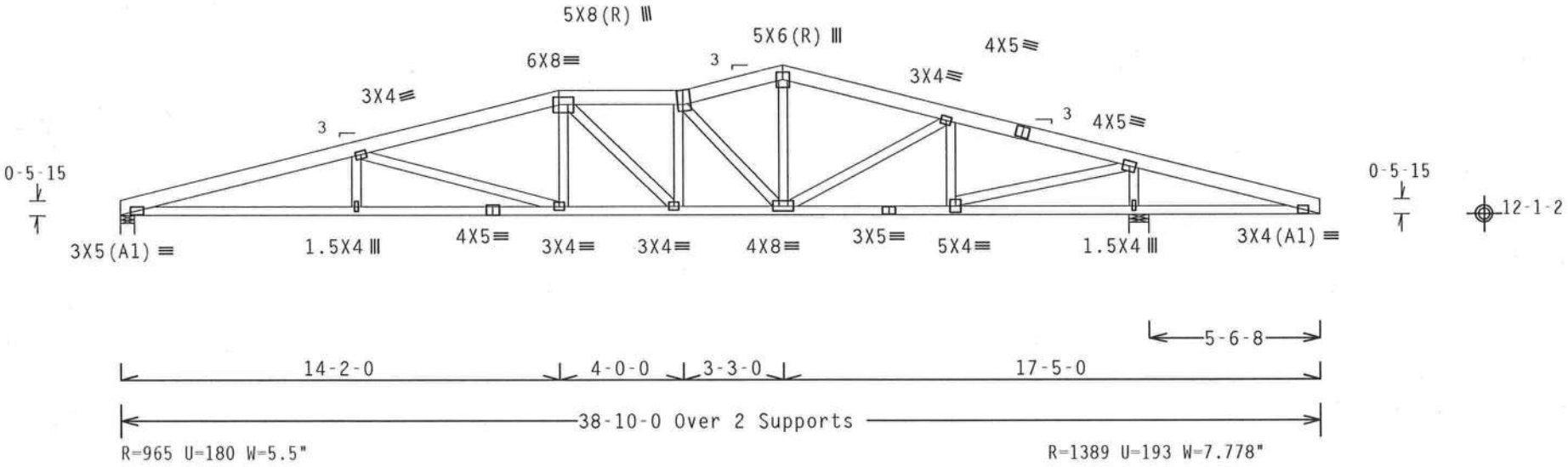
(5-344-1SAAC CONST/HUBER - ROOF - H142C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

No 09 '05

TC LL	20.0 PSF	REF R487-- 35449
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313008
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 126382
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

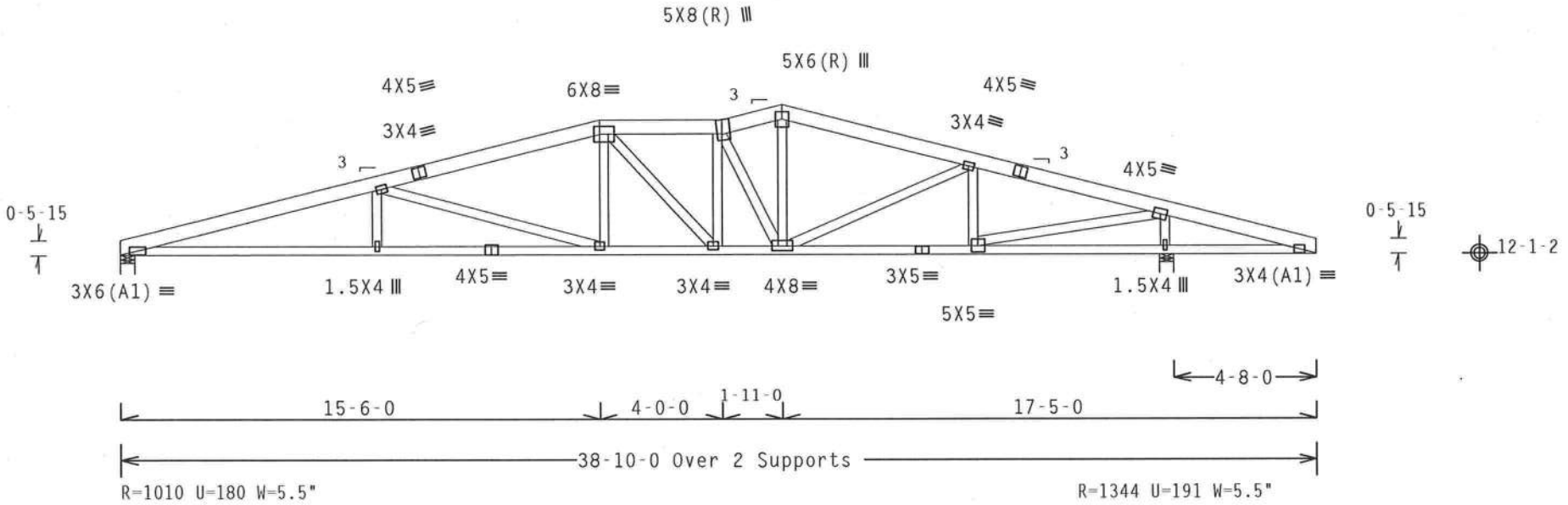
(5-344-1SAAC CONST/HUBER - ROOF - H150C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.76 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35450
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313012
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126391
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

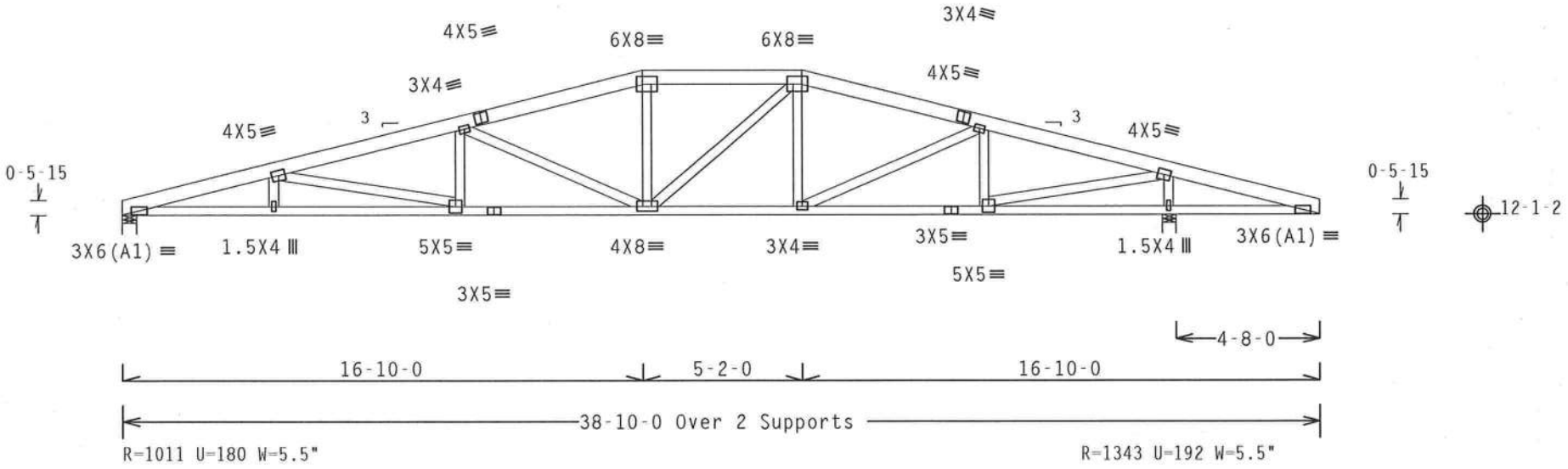
(5-344-ISAAC CONST)HUBER - ROOF - H1010C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.69 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/-

Scale =.1875"/Ft.

ALPINE
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35451
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313018
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126431
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

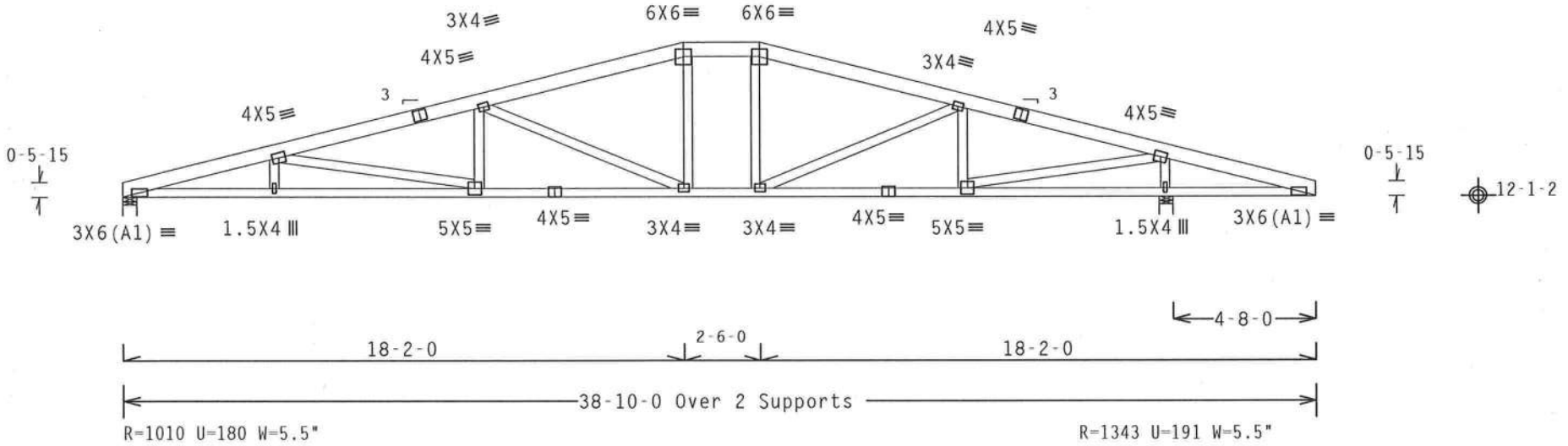
(5-344-ISAAC CONSTRUCTION - ROOF - H182C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.86 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35452
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313083
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126426
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

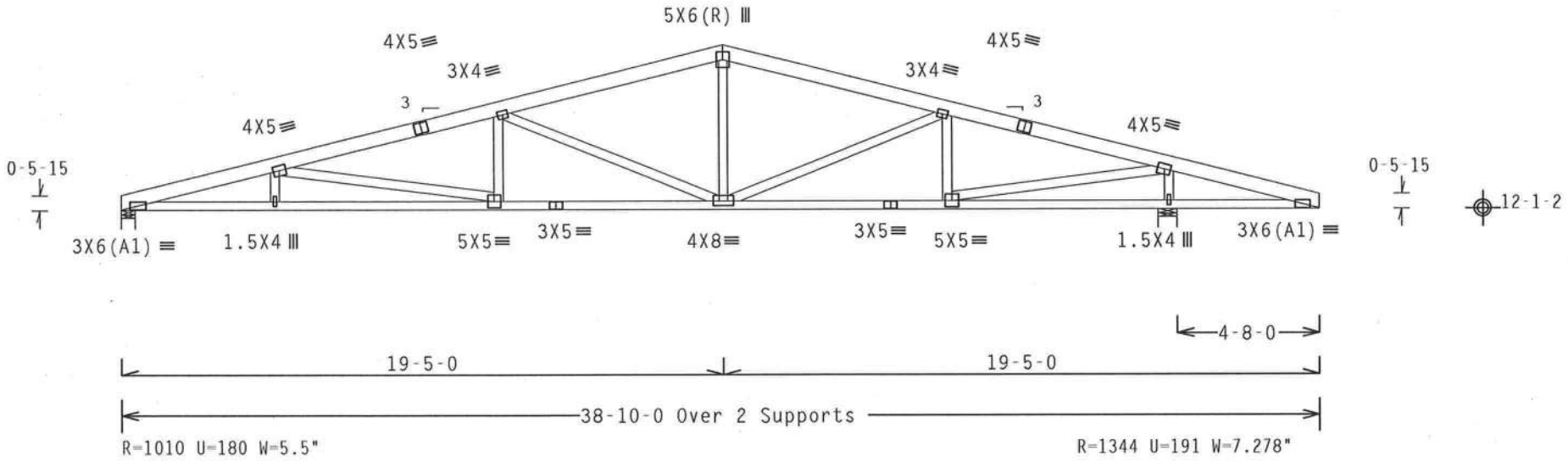
(5-344-ISAAC CONST/HUBER - ROOF - C)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 15.01 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35453
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313019
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126441
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - CG)

Top chord 2x6 SP #1 Dense
Bot chord 2x8 SP SS :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W12 2x4 SP #2 Dense:

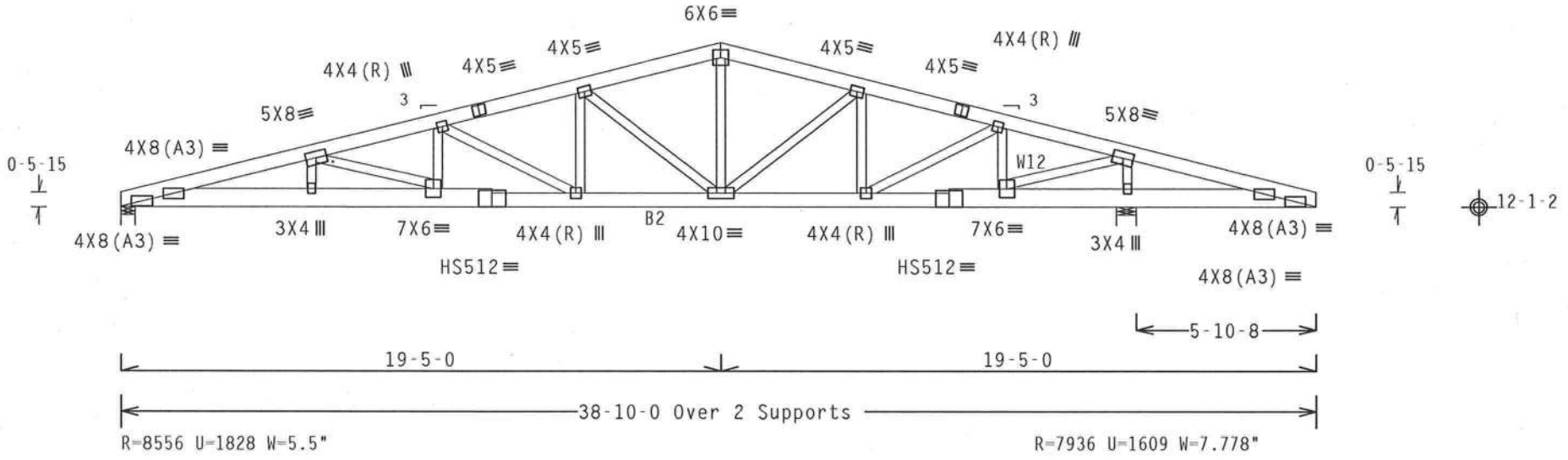
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 38.83
BC - From 20 PLF at 0.00 to 20 PLF at 38.83
BC - 1436 LB Conc. Load at 0.81
BC - 561 LB Conc. Load at 2.15
BC - 558 LB Conc. Load at 3.48, 4.81, 6.15
BC - 482 LB Conc. Load at 7.48, 8.81, 10.15, 11.48, 12.81
14.15
BC - 492 LB Conc. Load at 15.48, 16.81, 18.15, 19.48, 20.81
22.15, 23.48, 24.81, 26.15, 27.48, 28.81, 30.15, 31.48

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @ 8.00" o.c.
Bot Chord: 1 Row @ 5.50" 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, 15.01 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35454
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313084
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161018
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - HBD)

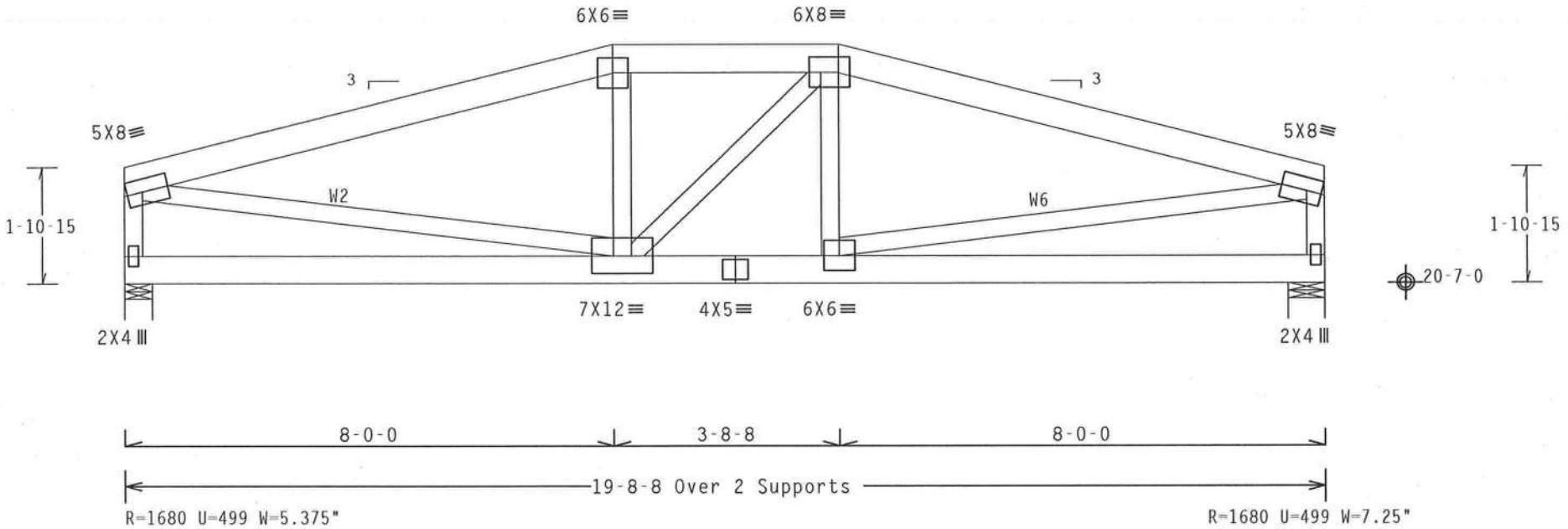
Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2, W6 2x4 SP #2 Dense:

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.49 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 8-0-0 jacks with no webs.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR B. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35455
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313085
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126767
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

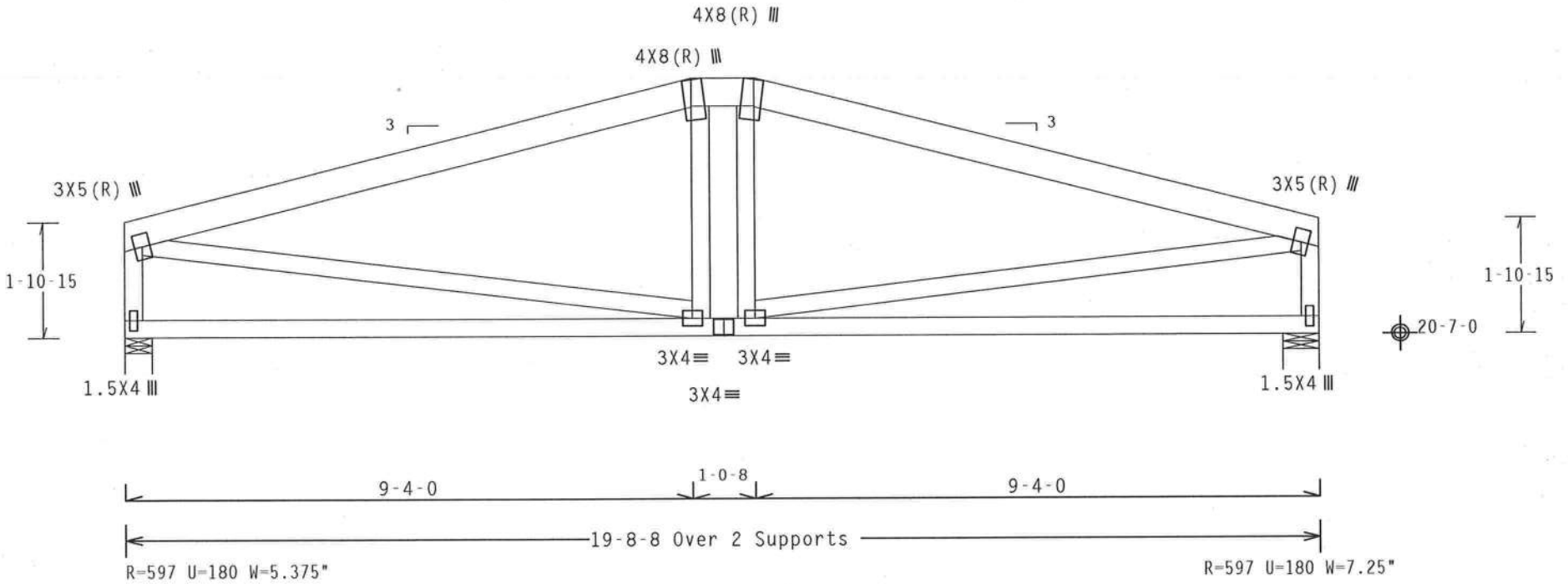
(5-344-ISAAC CONST)/HUBER - ROOF - H94D)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.66 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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) 7.04.0 QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

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

Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35456
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313086
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126804
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - D)

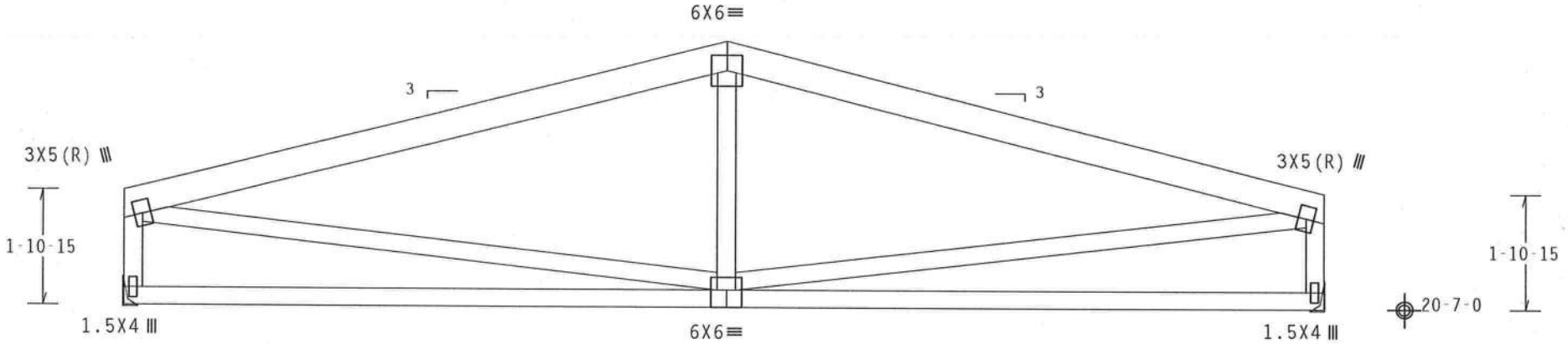
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.73 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=597 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=597 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:4 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35457
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313087
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	126782
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - H/48L)

Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

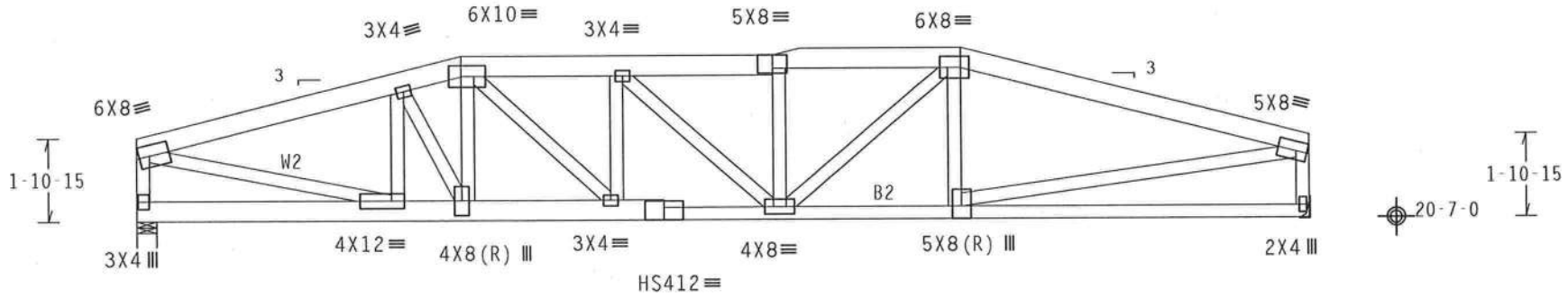
110 mph wind, 23.49 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 7.37
TC - From 47 PLF at 7.37 to 47 PLF at 26.81
BC - From 13 PLF at 0.00 to 13 PLF at 26.81
BC - 811 LB Conc. Load at 6.73
BC - 1635 LB Conc. Load at 7.04

Trusses to be spaced at 16.0" OC maximum.

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



R=2626 U=719 W=5.375"

R=1445 U=392 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.25"/Ft.

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Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35458
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313088
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126828
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - H948L)

Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W16 2x4 SP #2 Dense:
:Lt Splice Block 2x4 SP #3:

110 mph wind, 23.58 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

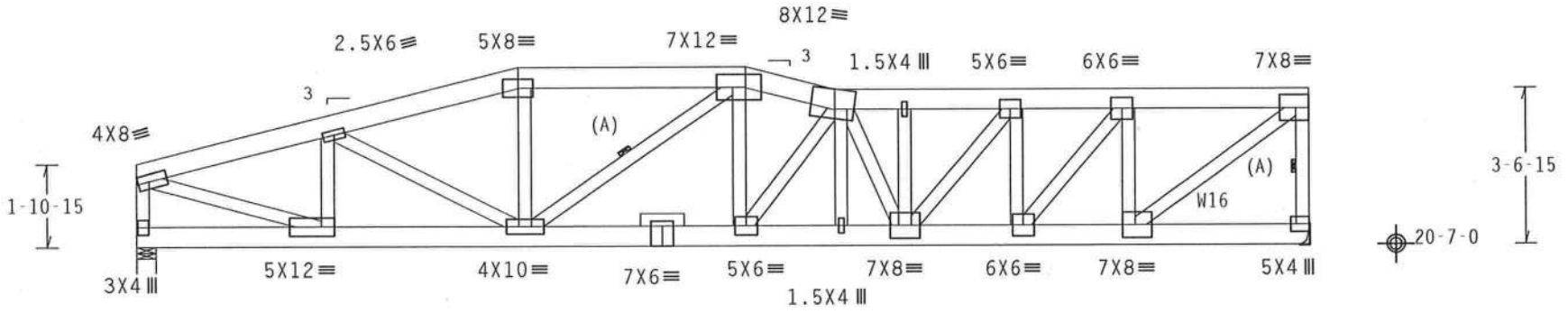
Trusses to be spaced at 16.0" OC maximum.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 26.81
BC - From 13 PLF at 0.00 to 13 PLF at 26.81
TC - 158 LB Conc. Load at 24.00, 25.33, 26.67
BC - 2273 LB Conc. Load at 17.54
BC - 620 LB Conc. Load at 18.54
BC - 483 LB Conc. Load at 22.67
BC - 44 LB Conc. Load at 24.00, 25.33, 26.67

Right end vertical not exposed to wind pressure.

(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.



8-8-8 | 5-2-4 | 2-0-8 | 10-10-8

26-9-12 Over 2 Supports

R=1896 U=544 W=5.375"

R=3711 U=1098 H=Simpson HGUS26
w/ (8) 10d Common, 0.148"x3.0" nails in Truss
w/ (20) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.[illegible] LY TY:1 FL/-/3/-/-/R/- Scale =.25"/Ft.

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35459
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313089
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161293
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - ESI)

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

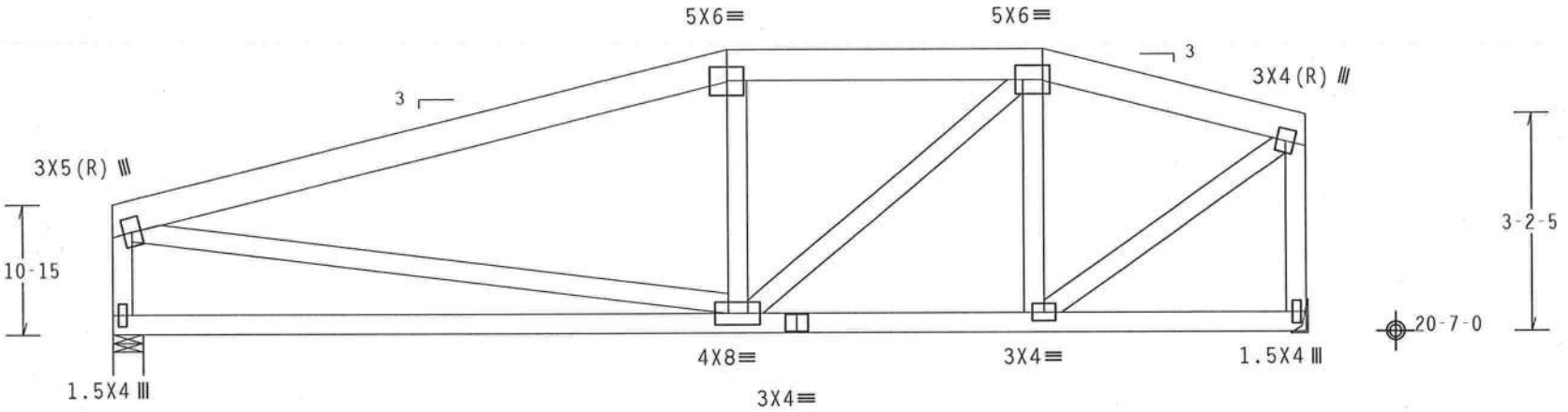
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

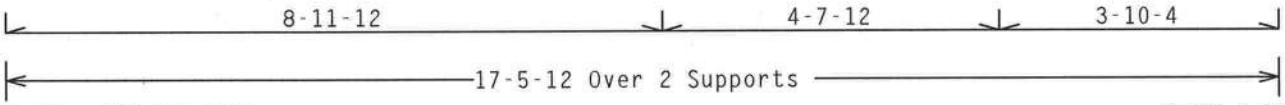
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 23.62 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.





R=534 U=180 W=5.375"

R=526 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave

QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35460
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313090
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161226
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - ES2)

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

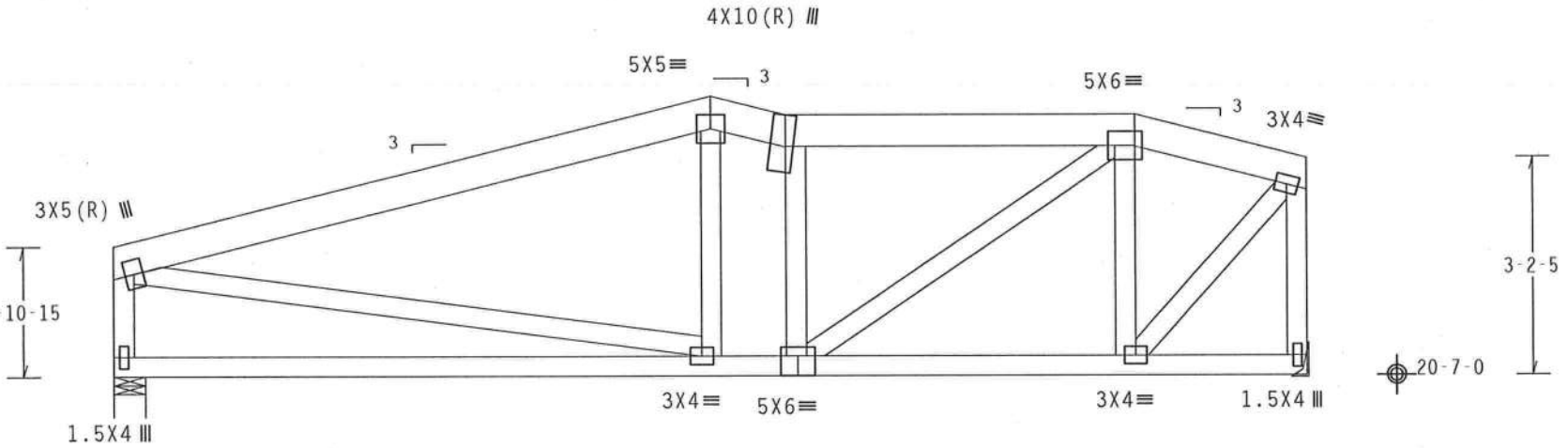
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

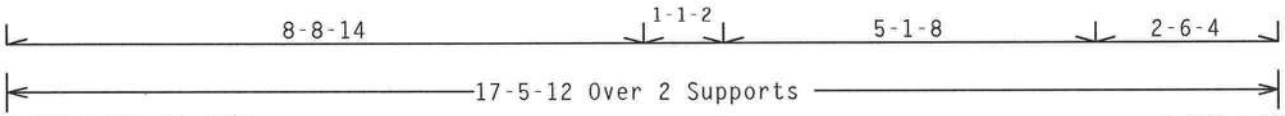
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 23.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.





R=534 U=180 W=5.375"

R=526 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave

QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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

No 09 05

TC LL	20.0 PSF	REF R487-- 35461
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313091
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161235
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-1SAAC CONST/HOBER - ROOF - ES5)

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

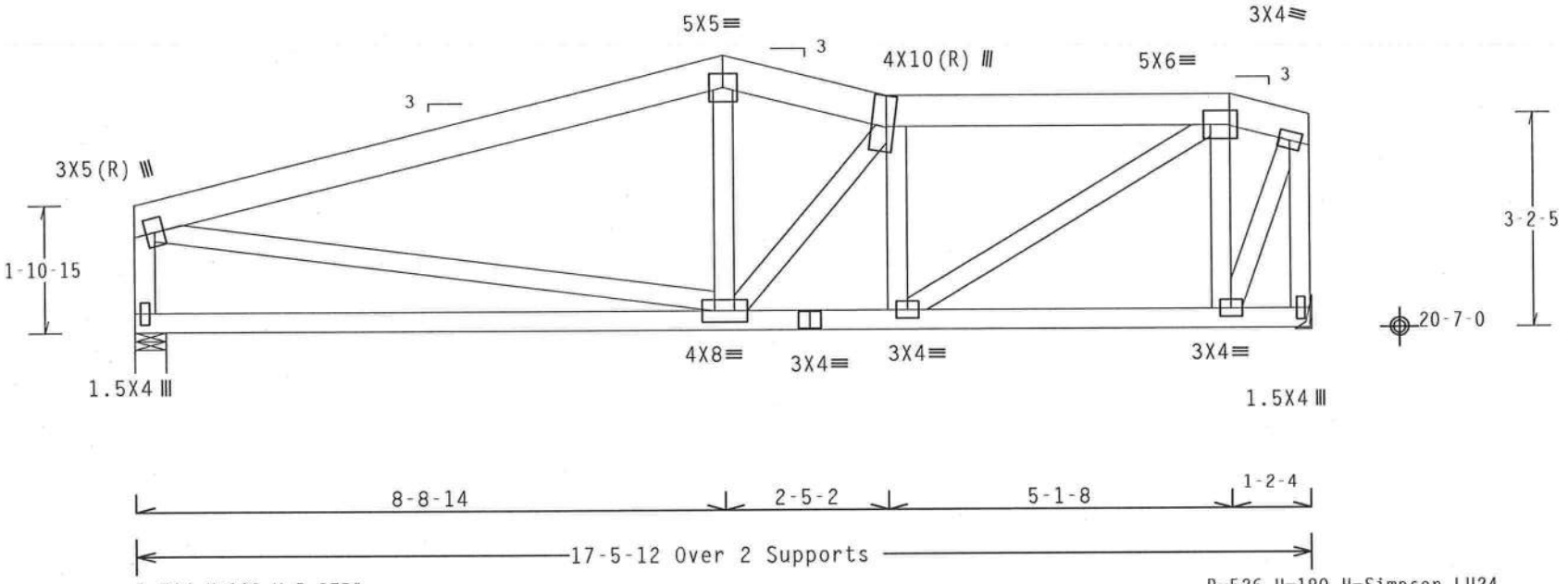
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 23.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.



R=534 U=180 W=5.375"

R=526 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible]

PLT TYP. Wave

TY:1 FL/-/3/-/-/R/-

Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35462
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313092
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161241
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - ES)

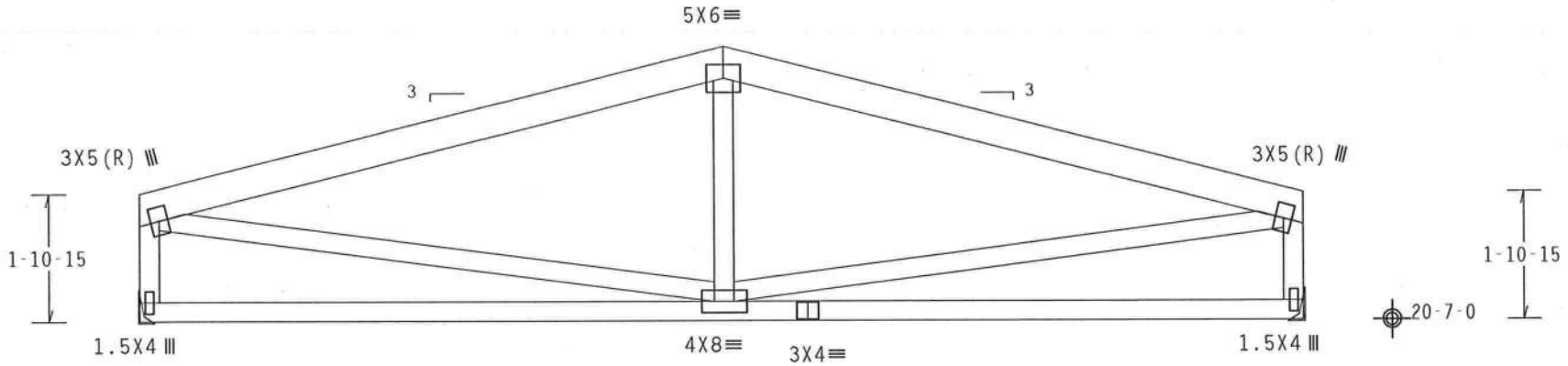
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



8-8-14 | 8-8-14

17-5-12 Over 2 Supports

R=530 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

R=530 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave

TY:5 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR B. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35463
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313093
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161248
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - FG)

Top chord 2x6 SP #2
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2, W4 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Max JT VERT DEFL: LL: 0.11" DL: 0.20" recommended camber 3/8"

Trusses to be spaced at 16.0" OC maximum.

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

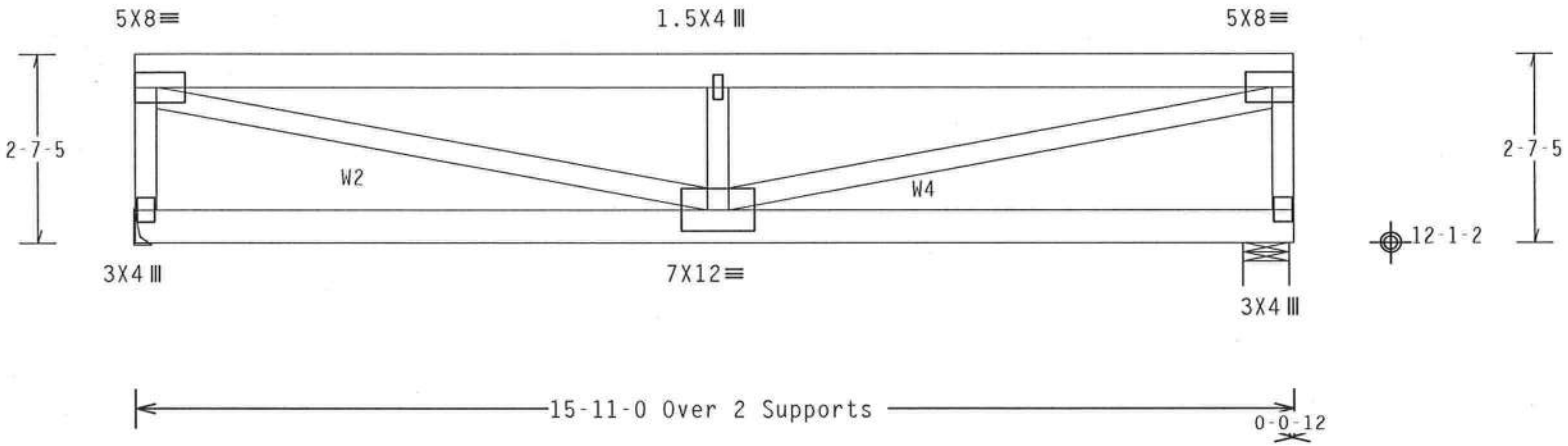
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 15.92
BC - From 13 PLF at 0.00 to 13 PLF at 15.92
BC - 264 LB Conc. Load at 1.27, 2.60, 3.94, 5.27, 6.60 7.94, 8.56

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.



R=1733 U=546 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1067 U=329 W=7.778"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35464
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313094
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126923
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-1SAAC CONST/HUBER - ROOF - F)

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

End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

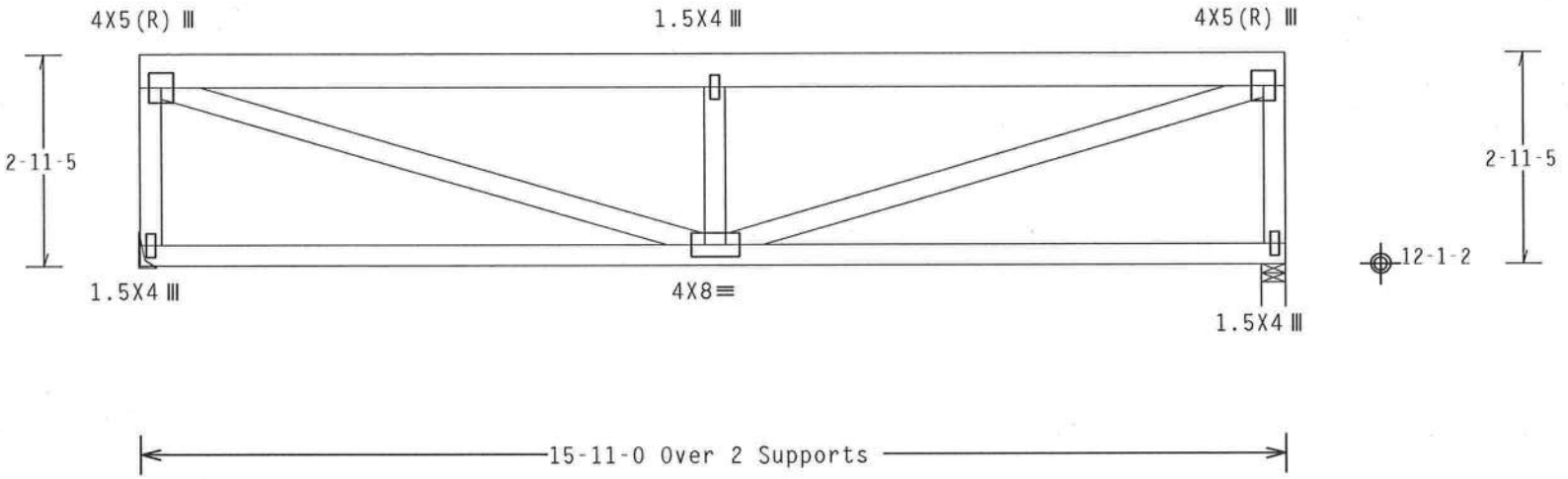
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

110 mph wind, 15.03 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Provide for complete drainage of roof.



R=478 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=478 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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FL Certificate of Authorization # 567

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TC LL	20.0 PSF	REF	R487-- 35465
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313095
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126929
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-1SAXC CONST/HUBER - ROOF - GGE)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 70 PLF at 0.00 to 70 PLF at 0.29
TC - From 91 PLF at 0.29 to 91 PLF at 15.33
BC - From 20 PLF at 0.00 to 20 PLF at 15.33

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

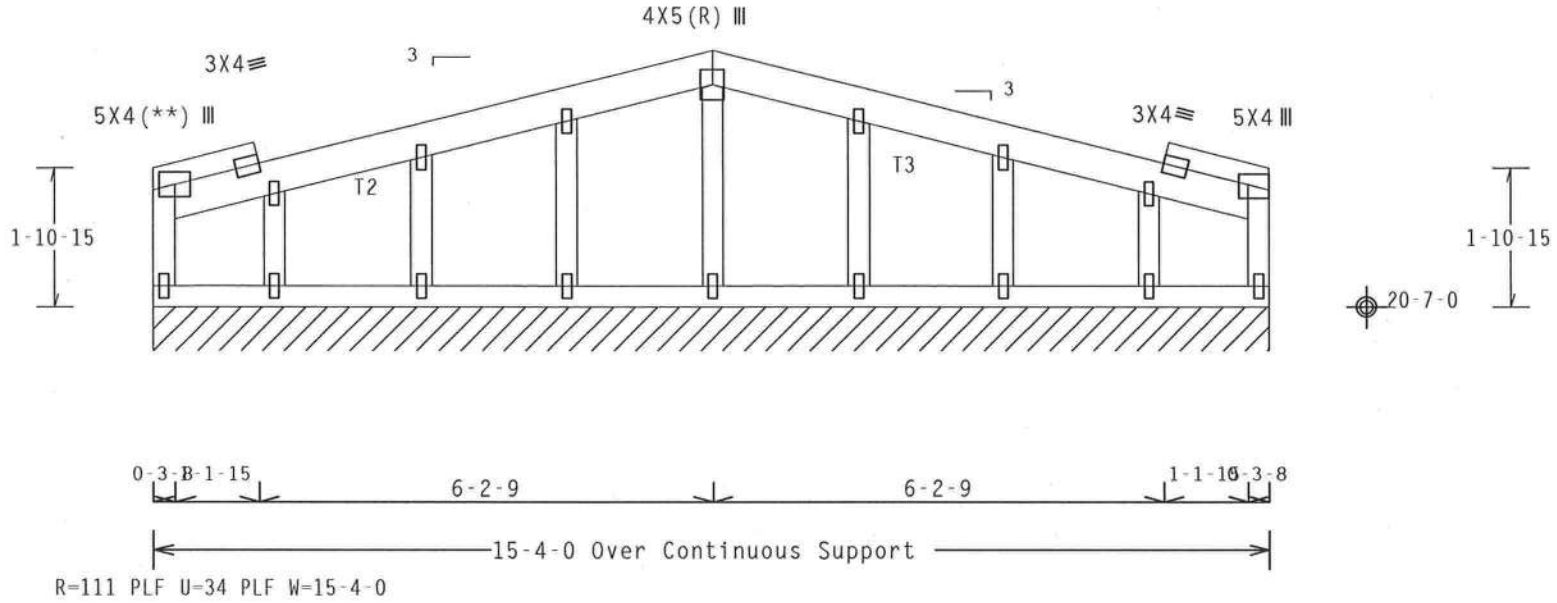
(**) Plate relocated as shown.

110 mph wind, 23.19 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

See DWGS A11030EC1103 & GBLLETIN0405 for more requirements.

Fasten rated sheathing to one face of this frame.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 LS TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

NOV 09 '05

ALPINE

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

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TC LL	20.0 PSF	REF	R487-- 35466
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313096
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126841
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

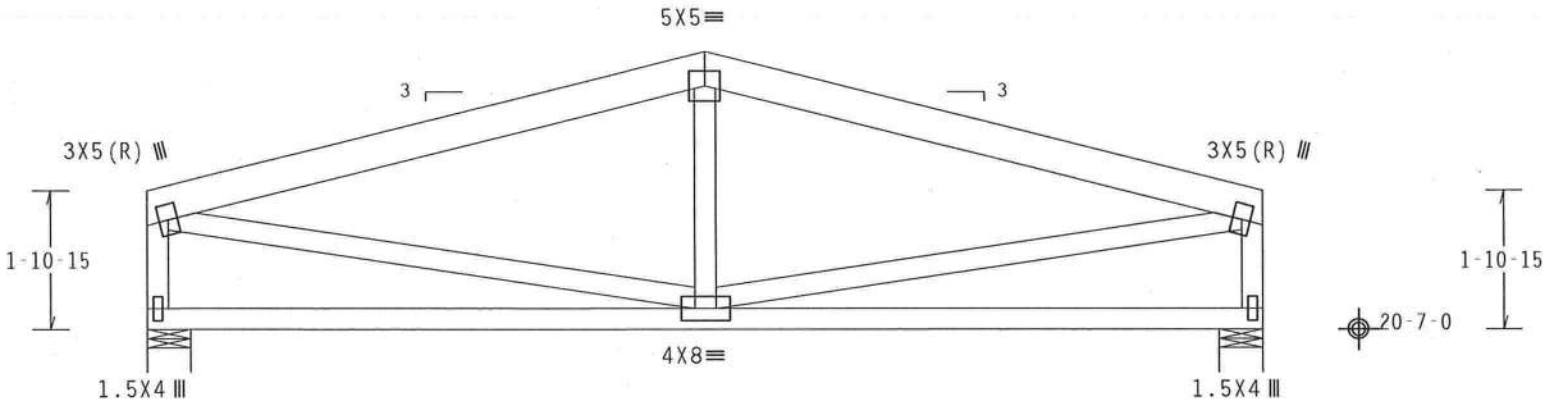
(5-344-ISAAC CONST/HUBER - ROOF - G)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.45 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:5 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35467
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313020
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160804
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/RUBER - ROOF - GG)

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

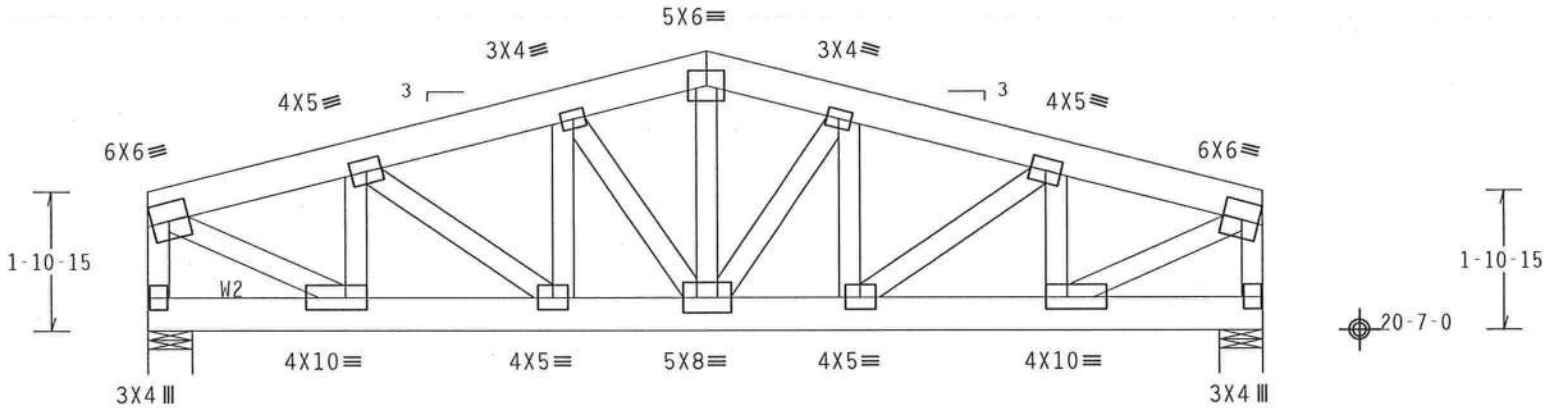
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 15.33
BC - From 20 PLF at 0.00 to 20 PLF at 15.33
BC - 597 LB Conc. Load at 0.60, 1.94, 3.27, 4.60, 5.94
BC - 1445 LB Conc. Load at 7.27
BC - 3711 LB Conc. Load at 8.60

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

2 COMPLETE TRUSSES REQUIRED

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

110 mph wind, 23.45 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35468
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313097
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161320
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - EJG)

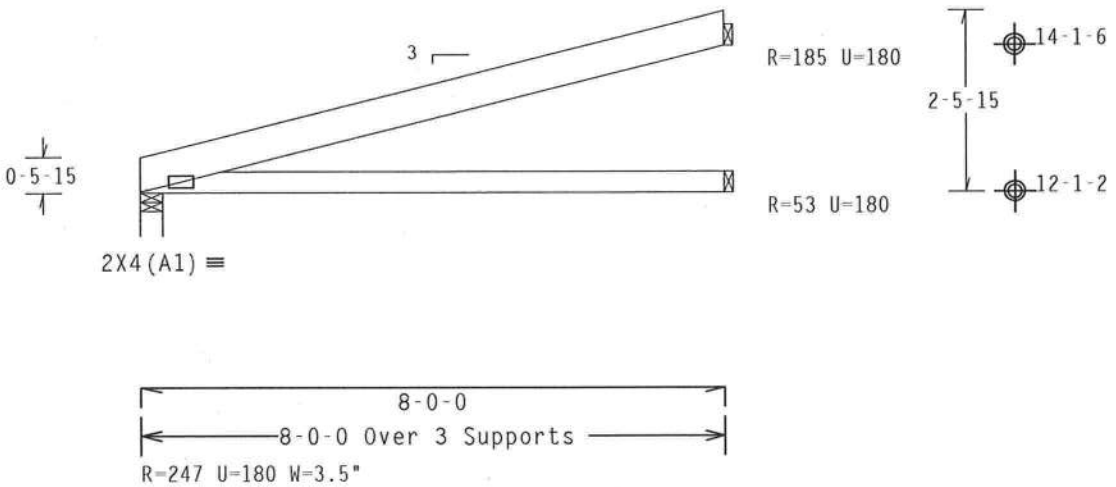
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:19 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59887 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35469
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313098
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126582
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/RUBER - ROOF - CJ14)

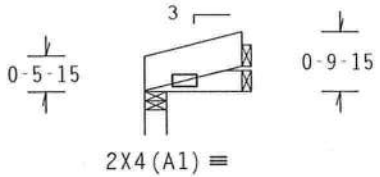
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

Trusses to be spaced at 16.0" OC maximum.

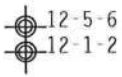
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 12.75 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

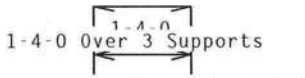
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=24 U=180



R=11 U=180



R=45 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:12 FL/-/3/-/-/R/- Scale =.375"/Ft.

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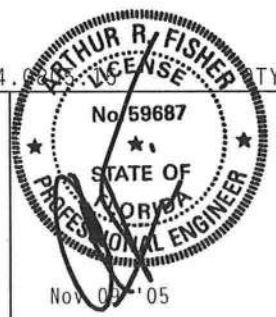


Nov 0[illegible]'05

TC LL	20.0 PSF	REF	R487-- 35470
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313021
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126557
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HJ8)

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

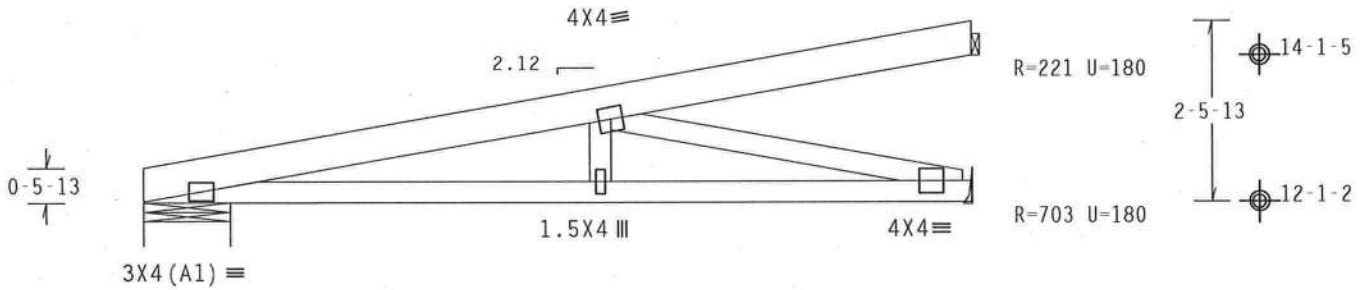
Trusses to be spaced at 16.0" OC maximum.

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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 8-0-0 setback jacks with no webs.

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



11-3-12 Over 3 Supports

R=471 U=180 W=14.142"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:3 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35471
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313099
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126599
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - CJ28)

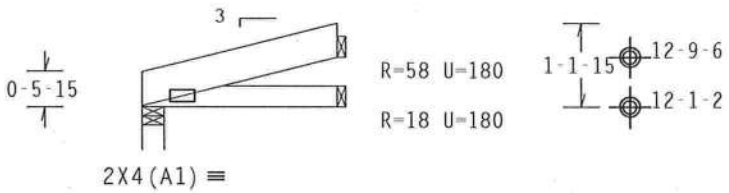
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

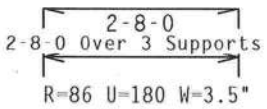
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 12.92 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible] TY:14 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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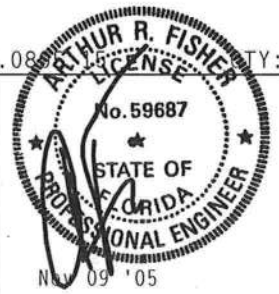


TC LL	20.0 PSF	REF R487-- 35472
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313022
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 126561
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ4)

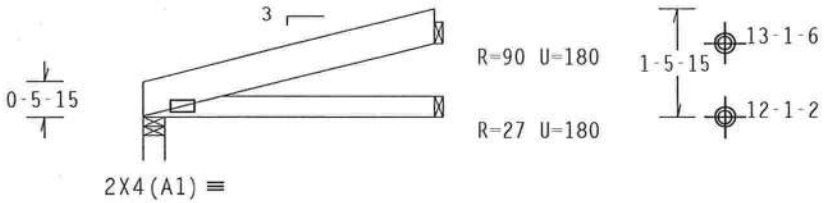
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

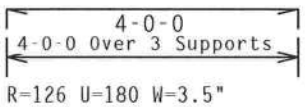
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.09 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] TY:10 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35473
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313023
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126565
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - C054)

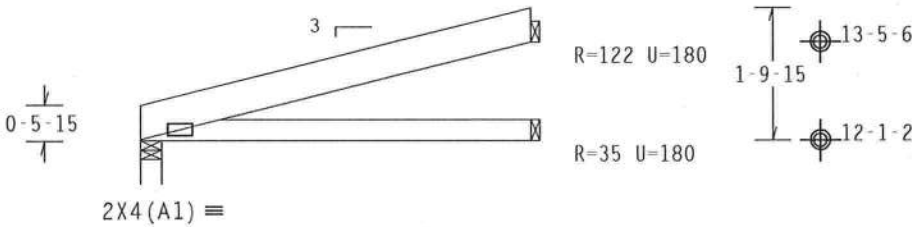
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.25 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



←5-4-0 Over 3 Supports→
R=166 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 CTY:10 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35474
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313100
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126569
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ08)

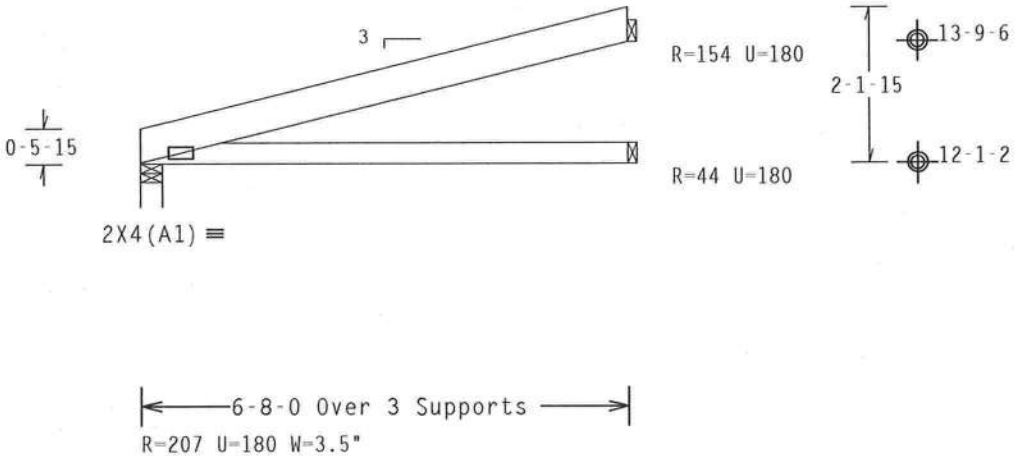
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.42 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] QTY:9 FL/-/3/-/-/R/-

Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35475
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313101
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	126573
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HJ28)

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

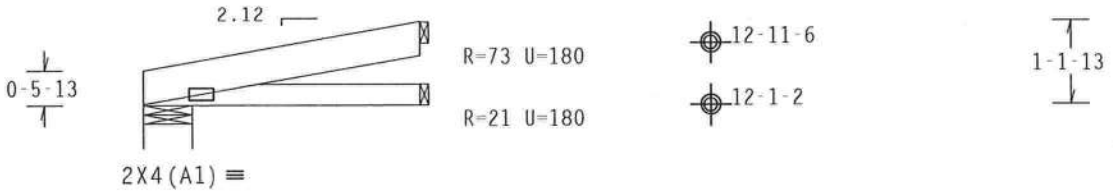
Trusses to be spaced at 16.0" OC maximum.

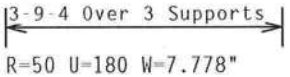
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 2-8-0 setback jacks with no webs.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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TC LL	20.0 PSF	REF	R487-- 35476
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313102
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126986
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - HJ08)

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

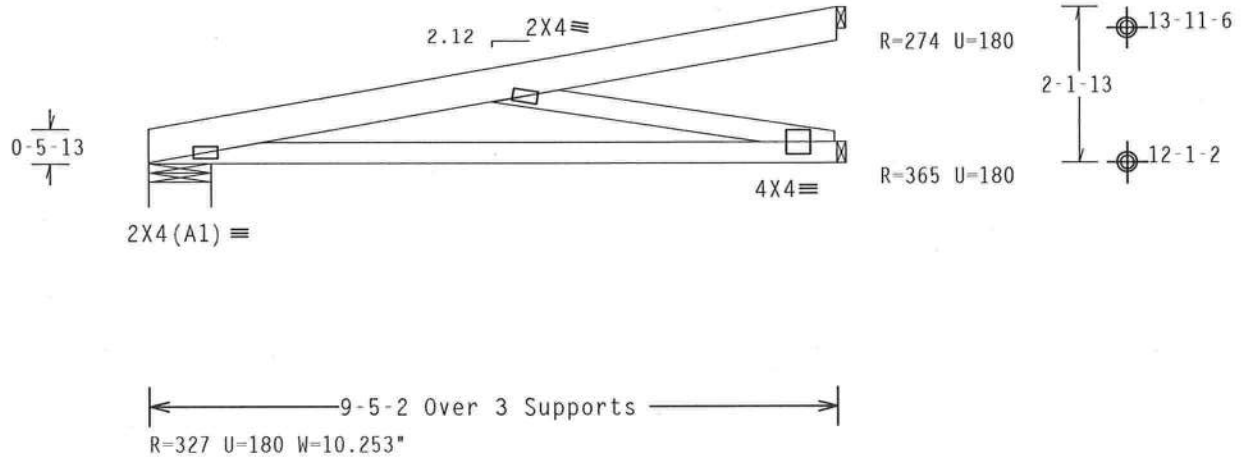
Trusses to be spaced at 16.0" OC maximum.

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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 6-8-0 setback jacks with no webs.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35477
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313103
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126470
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - EJ81)

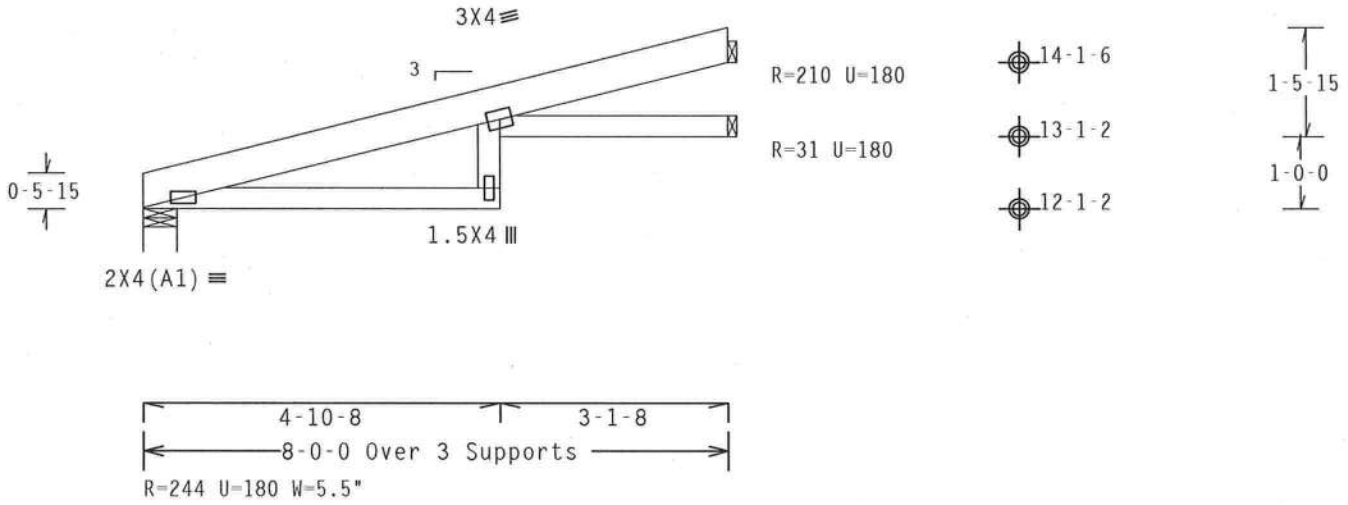
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:12 FL/-/3/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35478
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313024
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126586
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - EJ8TT)

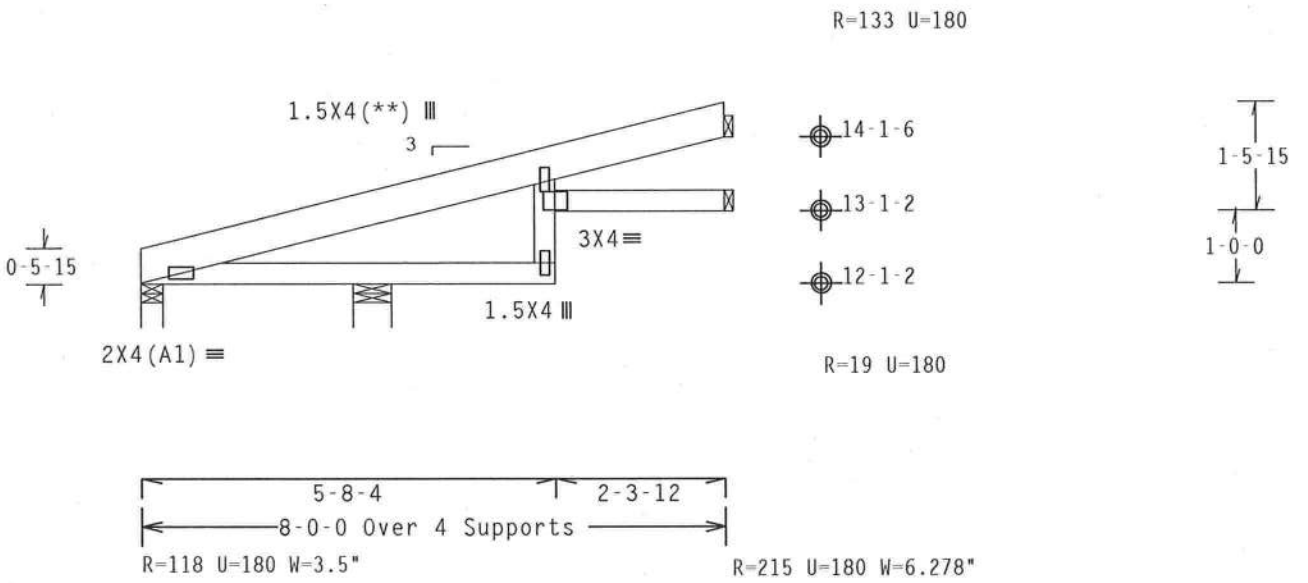
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(**) Plate relocated as shown.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]EY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35479
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313104
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126591
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

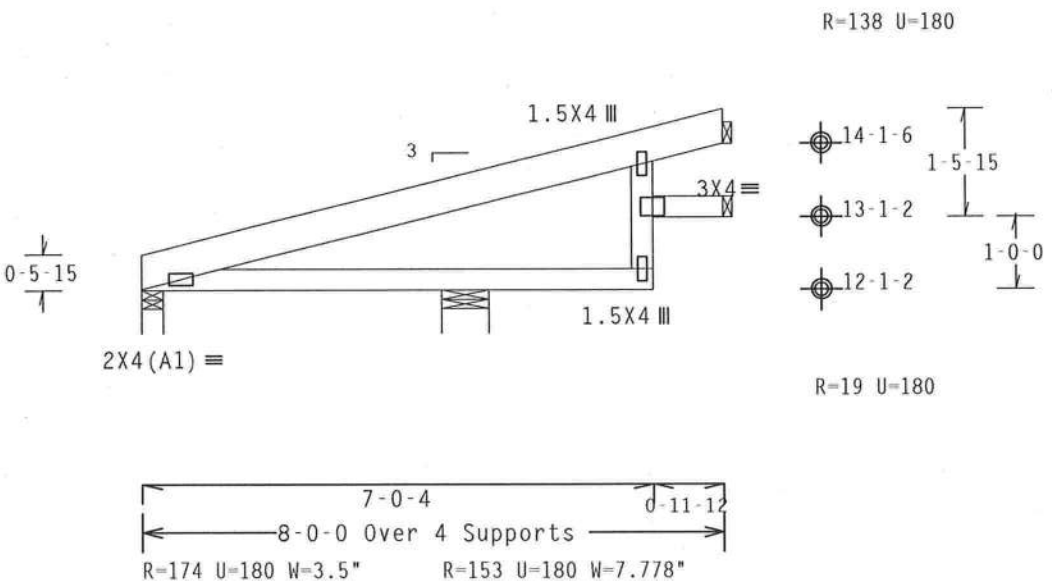
(5-344-ISAAC CONST/HUBER - ROOF - EJ812)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF R487-- 35480
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313025
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 126595
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ14F)

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

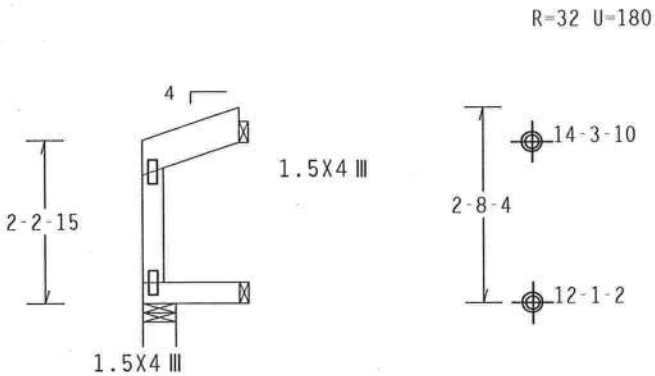
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

110 mph wind, 14.56 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08[illegible] QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nov 0[illegible] 05

TC LL	20.0 PSF	REF	R487-- 35481
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313026
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160820
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - HJOP)

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

Left end vertical not exposed to wind pressure.

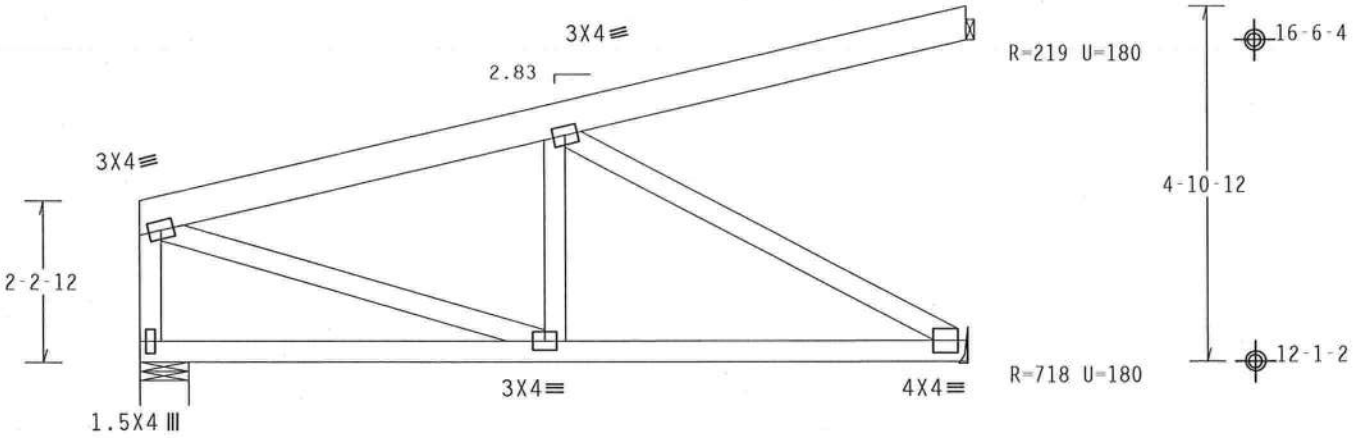
Hipjack supports 8-0-0 setback jacks with no webs.

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

110 mph wind, 15.66 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



11-3-12 Over 3 Supports

R=469 U=180 W=7.778"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35482
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313105
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 160858
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - C0208)

Top chord 2x6 SP #2
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.

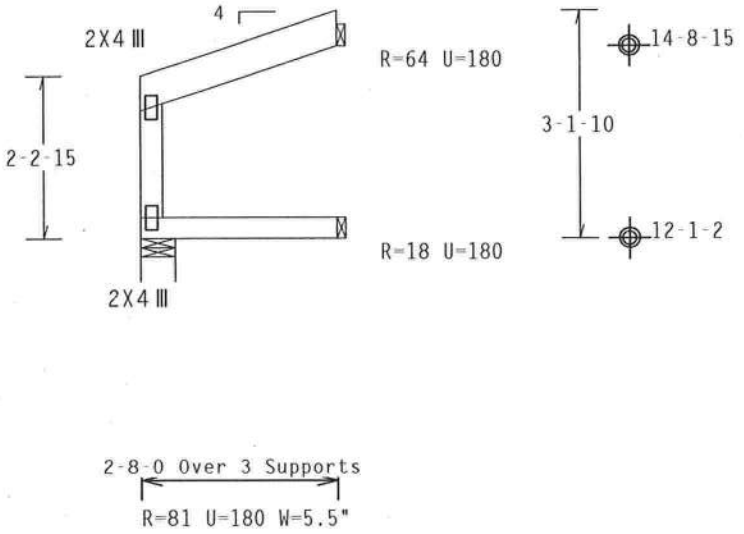
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.78 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.21" due to live load and 0.04" due to dead load.

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
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.69687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 05

TC LL	20.0 PSF	REF	R487-- 35483
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313027
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160825
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - C04F)

Top chord 2x6 SP #2
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.

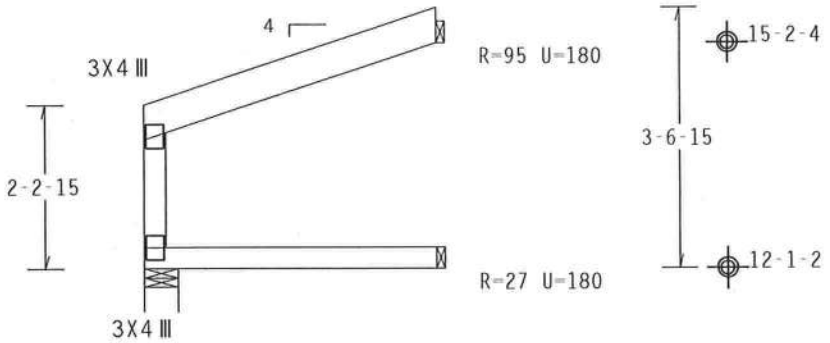
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 15.01 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.29" due to live load and 0.06" due to dead load.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible] TY:2 FL/-/3/-/-/R/-

Scale =.375"/Ft.

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35484
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313041
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 160829
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ54F)

Top chord 2x6 SP #2
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.

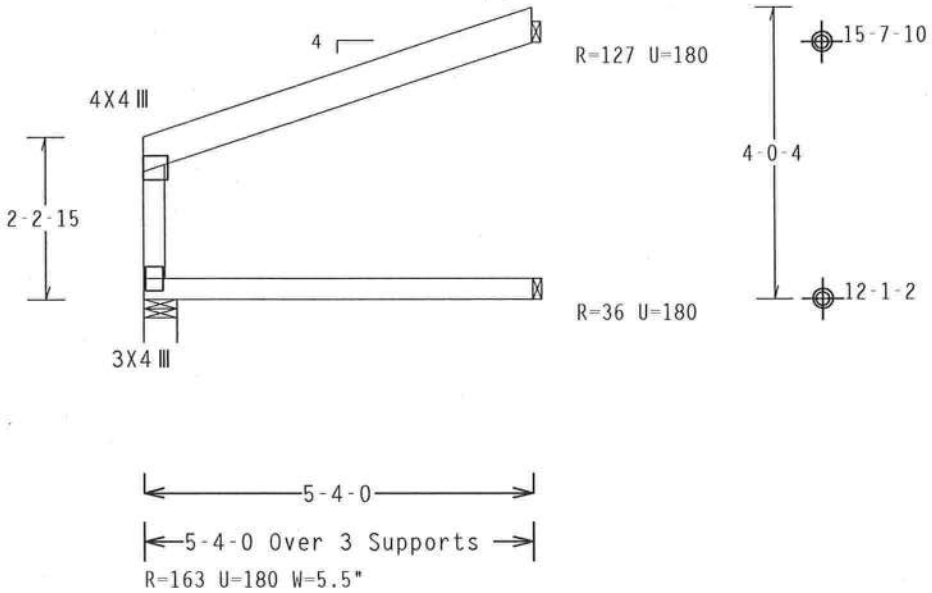
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 15.23 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.36" due to live load and 0.07" due to dead load.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.[illegible] TY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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Haines City, FL 33844
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TC LL	20.0 PSF	REF R487-- 35485
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313042
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 160845
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/RUBER - ROOF - CJ68F)

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

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

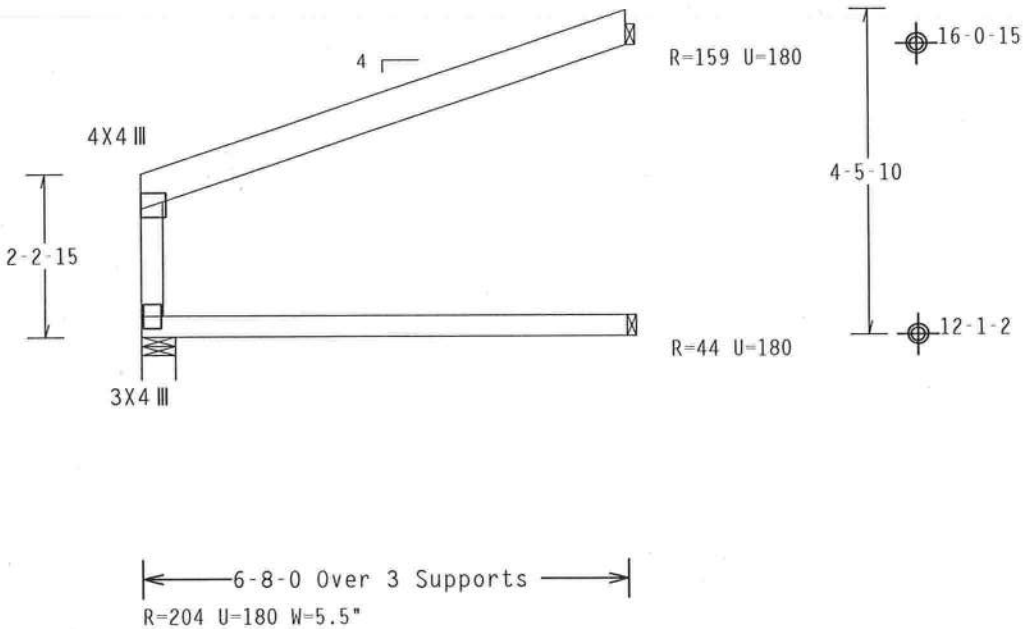
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 15.45 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.35" due to live load and 0.08" due to dead load.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
No [illegible] '05

TC LL	20.0 PSF	REF	R487-- 35486
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313043
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160840
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONSTRUCTION - ROOF - EJOF)

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

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

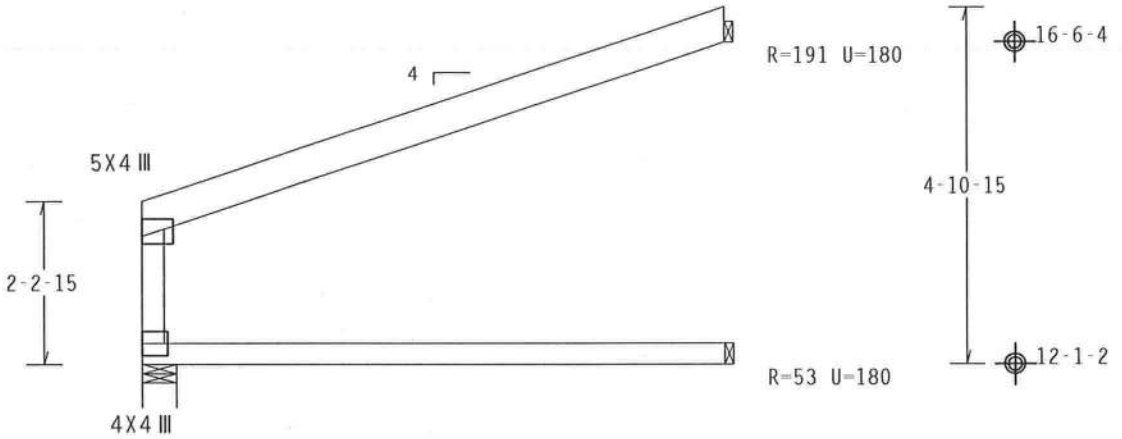
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 15.67 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.39" due to live load and 0.09" due to dead load.

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
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:8 FL/-/3/-/-/R/- Scale =.375"/Ft.

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NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35487
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313044
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160851
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ141)

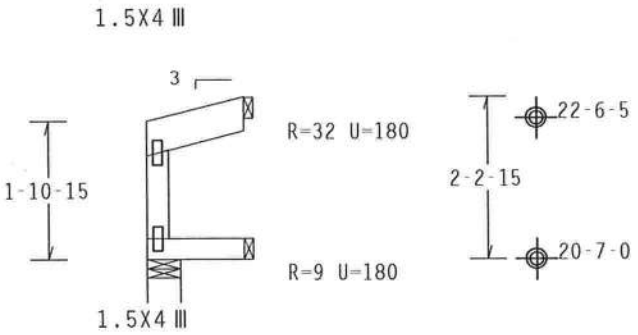
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 22.66 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



1-4-0 Over 3 Supports

R=40 U=180 W=5.375"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:25 FL/-/3/-/-/R/- Scale =.375"/Ft.

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NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35488
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313045
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126952
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - HJ8T)

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

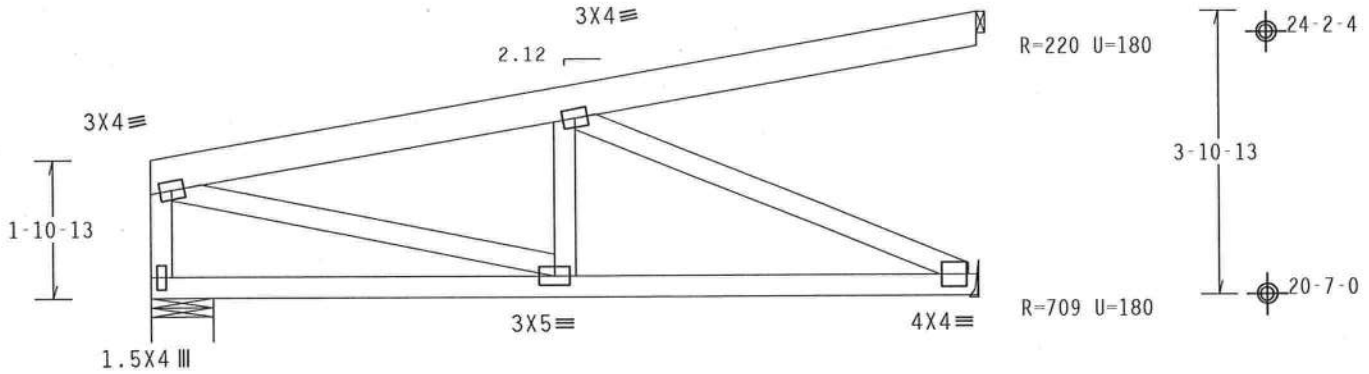
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.48 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 8-0-0 setback jacks with no webs.

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



11-3-12 Over 3 Supports

R=466 U=180 W=10.253"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0000 QTY:2 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

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Haines City, FL 33844
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Nov 0[illegible] '05

TC LL	20.0 PSF	REF	R487-- 35489
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313106
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126753
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - HJ08T)

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

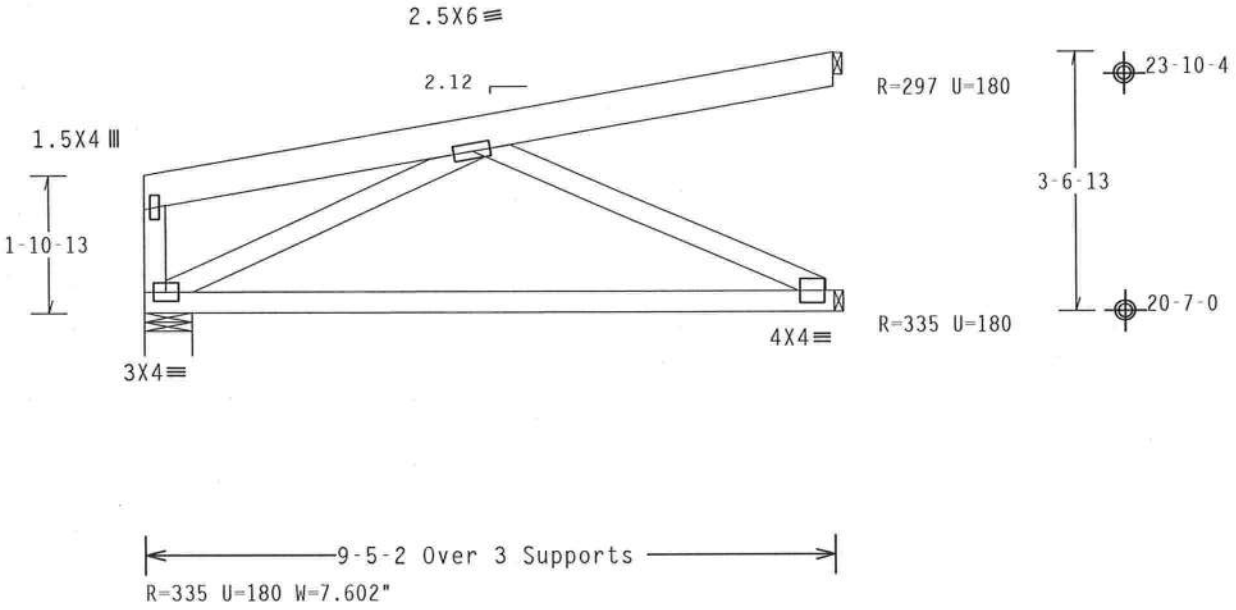
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.32 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 6-8-0 setback jacks with no webs.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible]Y:3 FL/-/3/-/-/R/- Scale =.375"/Ft.

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NOV 09 '05

TC LL	20.0 PSF	REF R487-- 35490
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313107
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126947
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - C0281)

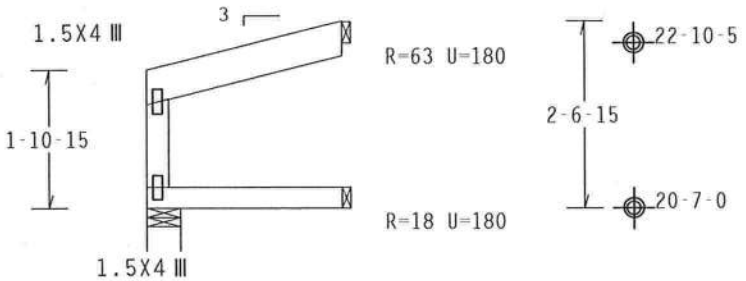
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

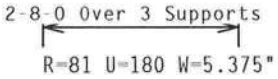
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 22.83 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.[illegible] LO TY:18 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35491
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313046
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126959
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - CJ41)

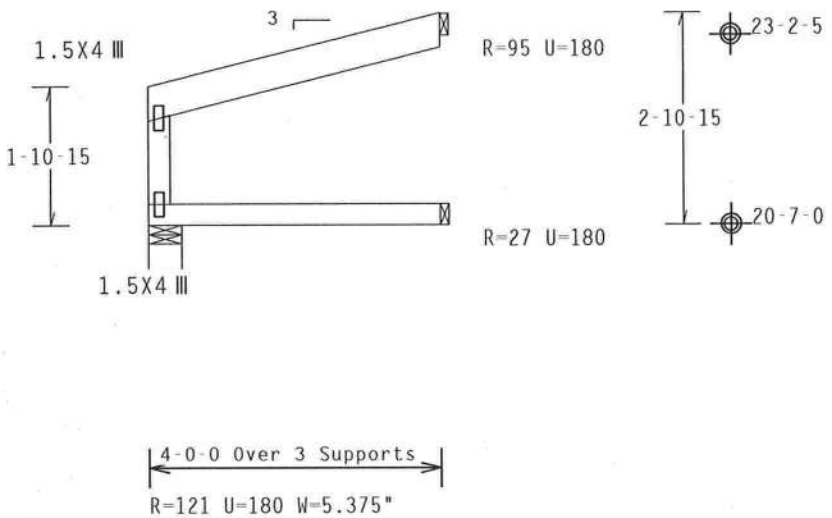
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 22.99 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:13 FL/-/3/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35492
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313047
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161055
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ541)

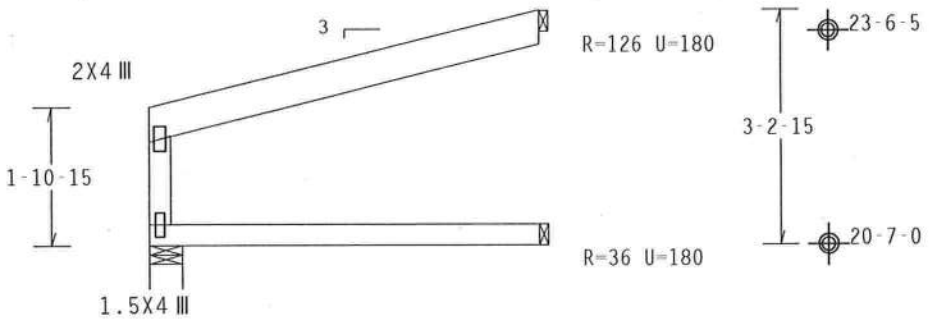
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.16 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



←5-4-0 Over 3 Supports→
R=162 U=180 W=5.375"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] KEY:14 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35493
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313048
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161063
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - CJ68T)

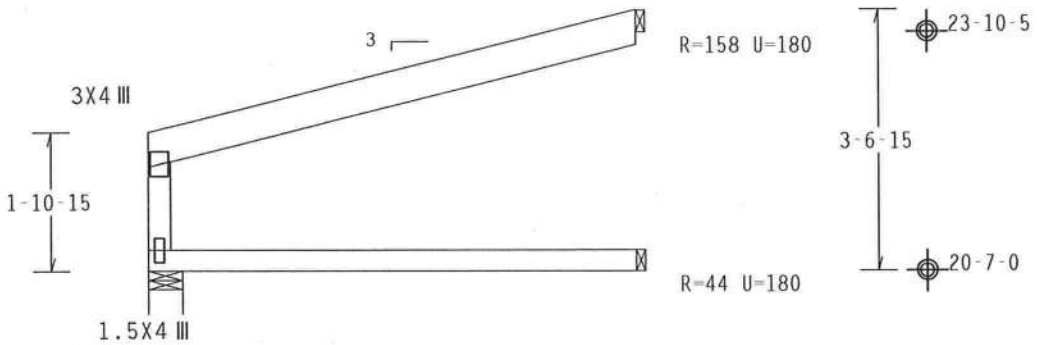
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



6-8-0 Over 3 Supports
R=202 U=180 W=5.375"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:10 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35494
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313049
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161071
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H68TG)

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

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

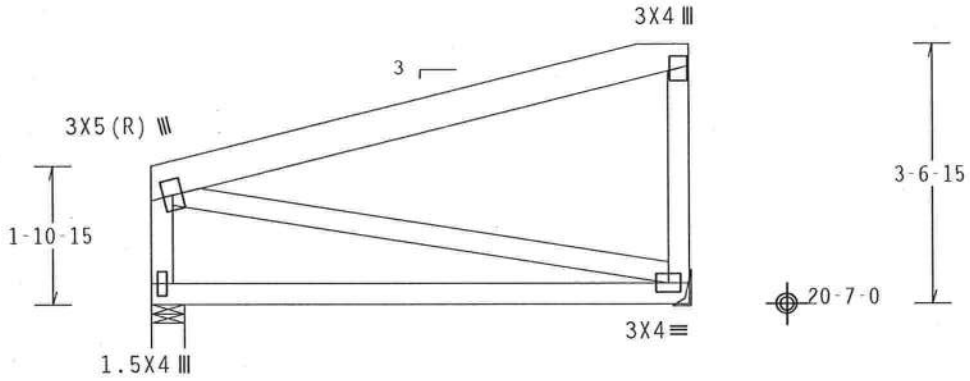
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 6.67
BC - From 13 PLF at 0.00 to 13 PLF at 7.38
TC - 286 LB Conc. Load at 6.67
BC - 393 LB Conc. Load at 6.67

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

#1 hip supports 6-8-0 jacks with no webs.



7-4-8 Over 2 Supports

R=281 U=180 W=5.375"

R=811 U=199 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR M. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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

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TC LL	20.0 PSF	REF	R487-- 35495
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313108
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126792
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - EJ81)

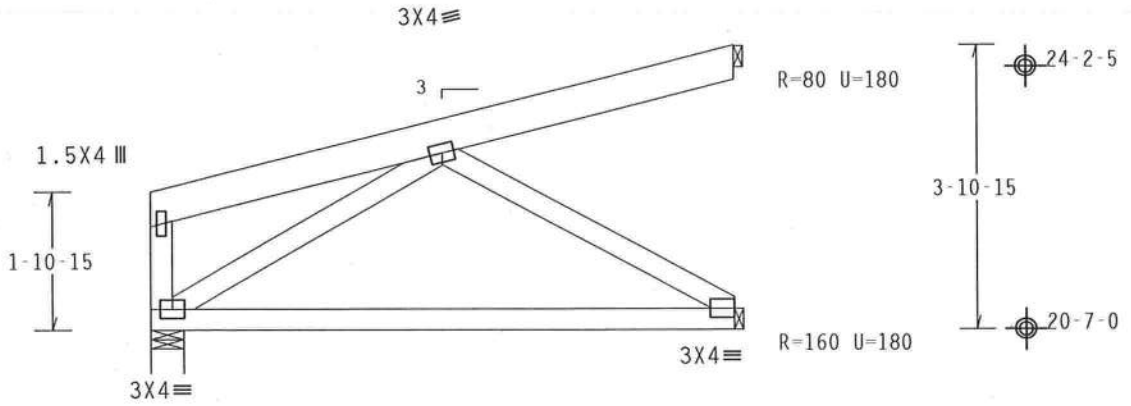
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.49 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:4 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35496
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313050
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126747
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST)/HUBER - ROOF - H8TG)

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

110 mph wind, 23.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

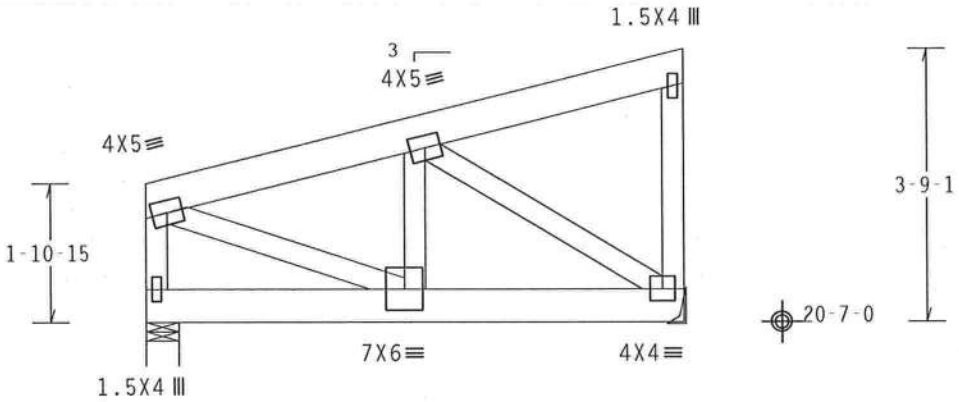
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 7.38
BC - From 13 PLF at 0.00 to 13 PLF at 6.98
BC - From 60 PLF at 6.98 to 60 PLF at 7.38
BC - 597 LB Conc. Load at 0.77, 2.10, 3.44, 4.77, 6.10

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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



7-4-8 Over 2 Supports

R=1817 U=537 W=5.375"

R=1635 U=478 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35497
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313109
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126814
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - EJ41)

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

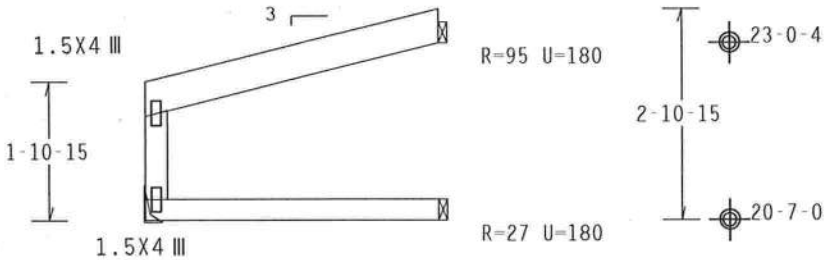
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 22.99 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



4-0-0 Over 3 Supports

R=121 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:6 FL/-/3/-/-/R/- Scale =.375"/Ft.

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PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35498
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313051
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161059
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

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

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

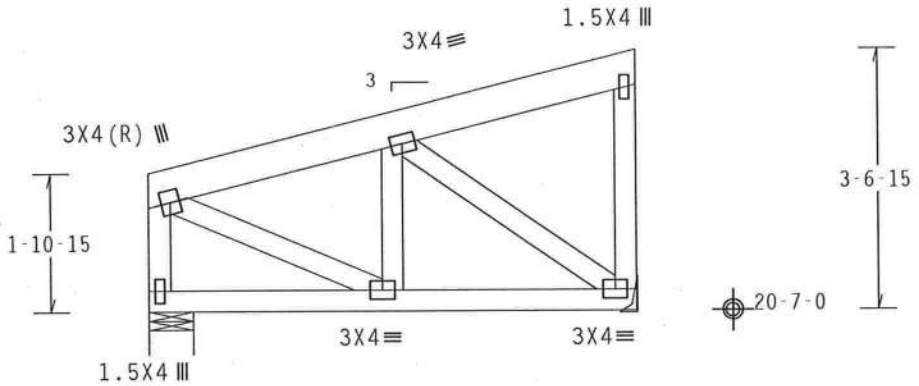
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 6.67
BC - From 13 PLF at 0.00 to 13 PLF at 6.67
BC - 121 LB Conc. Load at 0.42, 1.75, 3.08, 4.42, 5.75

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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



6-8-0 Over 2 Supports
R=527 U=180 W=7.25"

R=483 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0000 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/S/K) ASTM A653 GRADE 40/60 (H, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 05

TC LL	20.0 PSF	REF	R487-- 35499
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313110
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126875
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBLER - ROOF - HJ41)

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

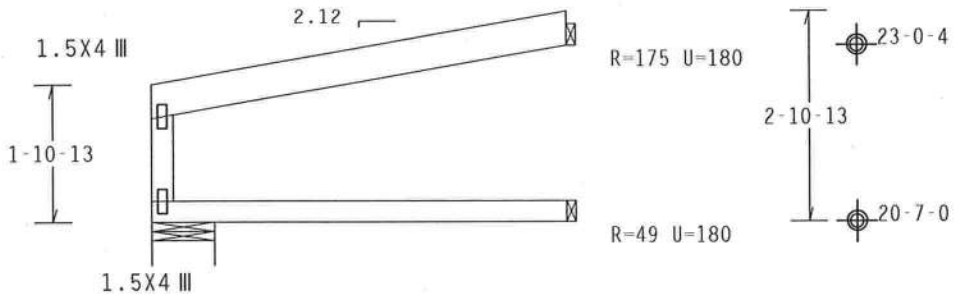
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 22.98 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 4-0-0 setback jacks with no webs.

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



←5-7-14 Over 3 Supports→
R=112 U=180 W=10.253"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:3 FL/-/3/-/-/R/- Scale =.375"/Ft.

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Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No.53687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No 09 '05

TC LL	20.0 PSF	REF R487-- 35500
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313111
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126904
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HJ541)

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

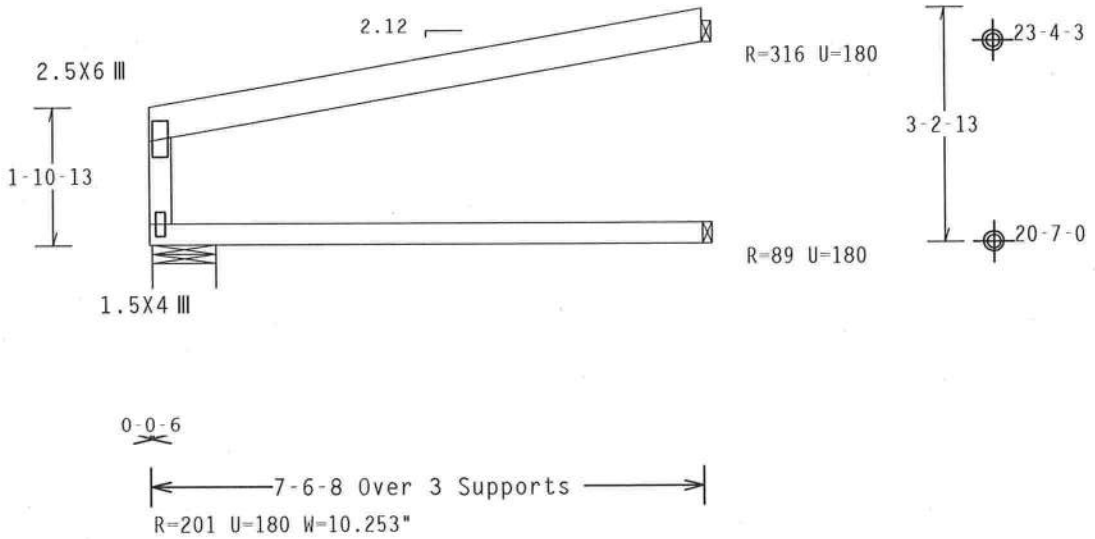
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.15 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 5-4-0 setback jacks with no webs.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF R487-- 35501
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313112
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161149
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - H14H)

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

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

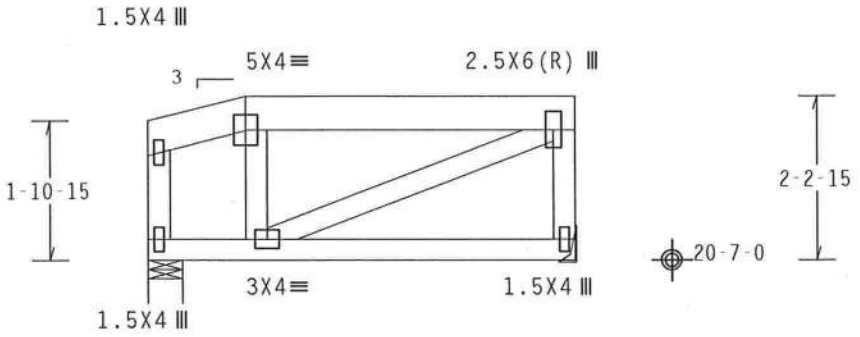
#1 hip supports 1-4-0 jacks with no webs.

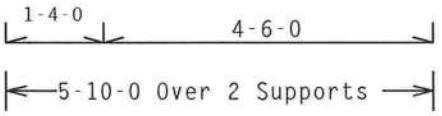
110 mph wind, 22.66 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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





R=175 U=180 W=5.5"

R=184 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 19,'05

TC LL	20.0 PSF	REF R487-- 35502
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313113
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161076
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H141)

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

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

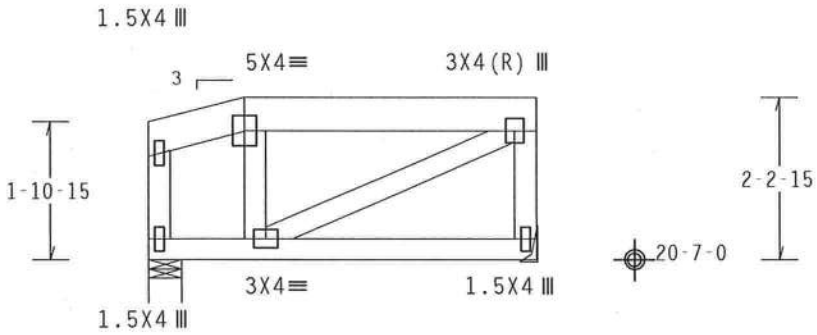
#1 hip supports 1-4-0 jacks with no webs.

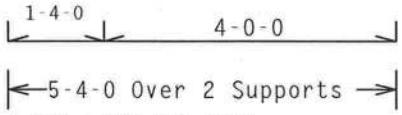
110 mph wind, 22.66 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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





R=160 U=180 W=5.375"

R=168 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

ARTHUR R. FISHER
LICENSE
No. 59680
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35503
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313114
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126972
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H2H)

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

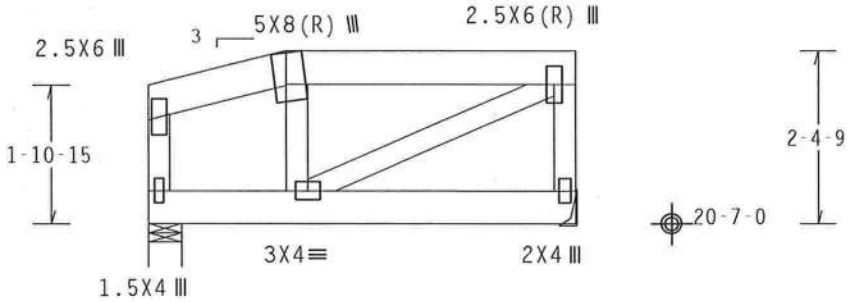
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 5.83
BC - From 20 PLF at 0.00 to 20 PLF at 5.83
TC - 63 LB Conc. Load at 0.59
BC - 18 LB Conc. Load at 0.59
BC - 121 LB Conc. Load at 1.92
BC - 162 LB Conc. Load at 3.26
BC - 962 LB Conc. Load at 4.56

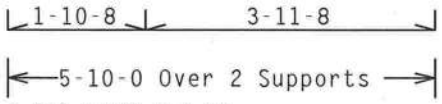
110 mph wind, 22.73 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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





R=668 U=203 W=5.5"

R=1188 U=361 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35504
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313115
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161098
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HJ141)

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

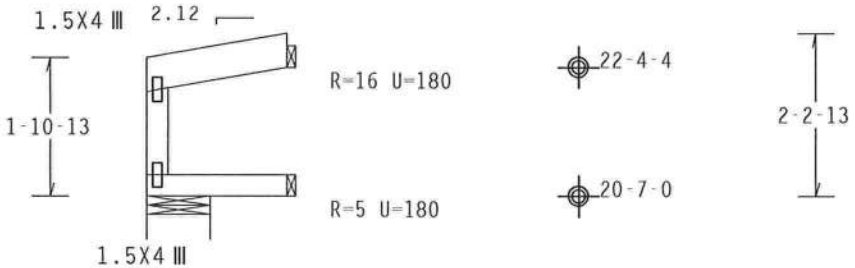
Trusses to be spaced at 16.0" OC maximum.

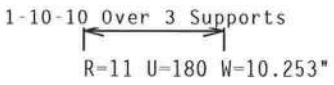
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.65 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 1-4-0 setback jacks with no webs.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 KEY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35505
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313116
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126965
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - EJ54G)

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

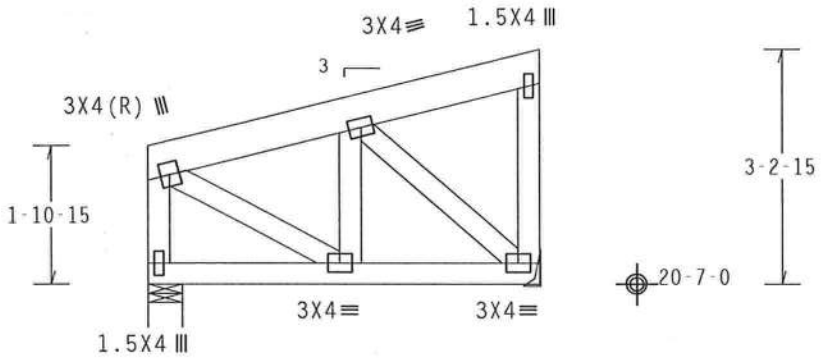
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 5.33
BC - From 20 PLF at 0.00 to 20 PLF at 5.33
BC - 81 LB Conc. Load at 1.73
BC - 439 LB Conc. Load at 3.06
BC - 270 LB Conc. Load at 4.40

110 mph wind, 23.16 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



←5-4-0 Over 2 Supports→
R=525 U=180 W=5.5"

R=749 U=228 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35506
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313117
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126982
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - HTG)

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

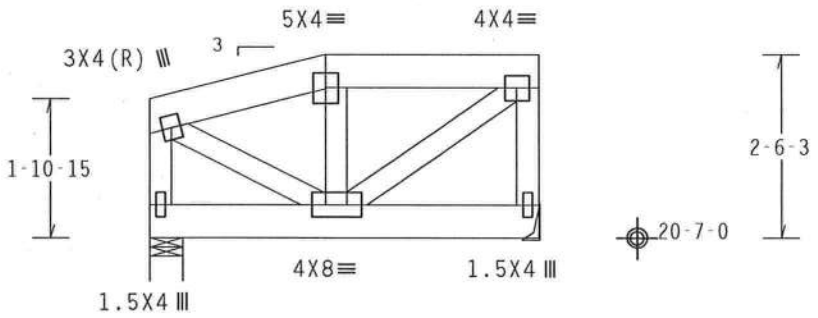
110 mph wind, 22.80 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 5.33
BC - From 20 PLF at 0.00 to 20 PLF at 5.33
BC - 530 LB Conc. Load at 0.77, 2.10, 3.44, 4.77

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.



2-5-0 2-11-0

5-4-0 Over 2 Supports

R=1260 U=373 W=5.375"

R=1344 U=397 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
No[illegible] '05

TC LL	20.0 PSF	REF	R487-- 35507
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313118
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161255
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/RUBER - ROOF - H4K)

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

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

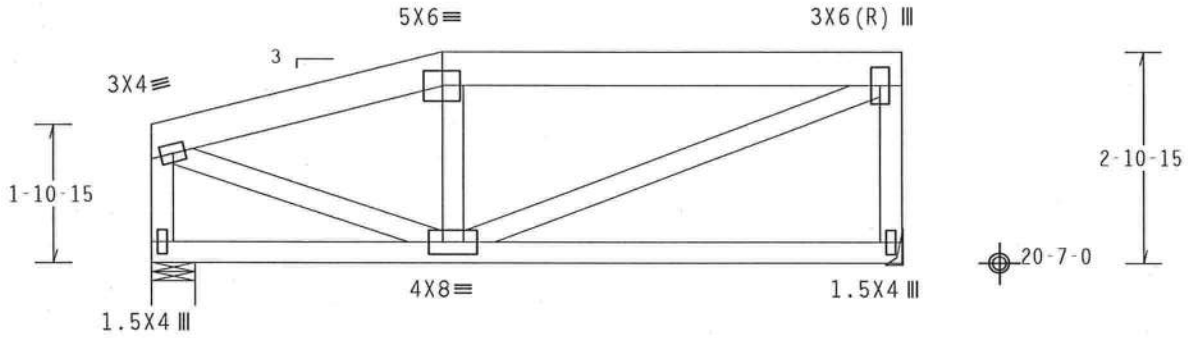
#1 hip supports 4-0-0 jacks with no webs.

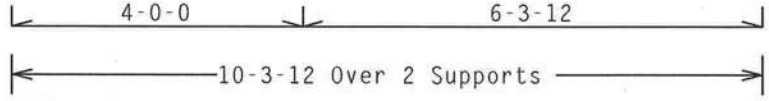
110 mph wind, 22.99 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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





R=515 U=180 W=7.25"

R=620 U=183 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR B. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35508
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313119
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161220
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(3-344-ISAAC CONST/RUBBER - ROOF - KG)

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

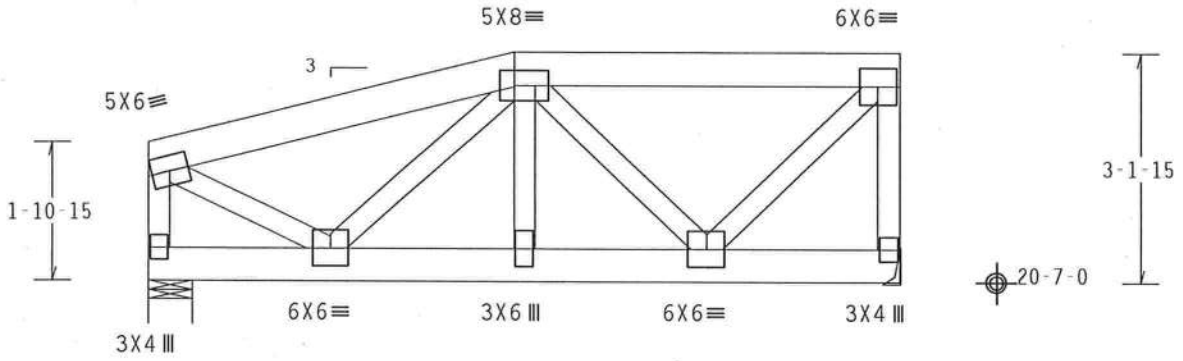
110 mph wind, 23.12 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 10.31
BC - From 20 PLF at 0.00 to 20 PLF at 10.31
BC - 530 LB Conc. Load at 1.04, 2.37, 3.71, 5.04
BC - 526 LB Conc. Load at 6.37, 7.71, 9.04

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.



R=2361 U=702 W=7.25"

R=2273 U=683 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov [illegible] '05

TC LL	20.0 PSF	REF R487-- 35509
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313120
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161268
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MB)

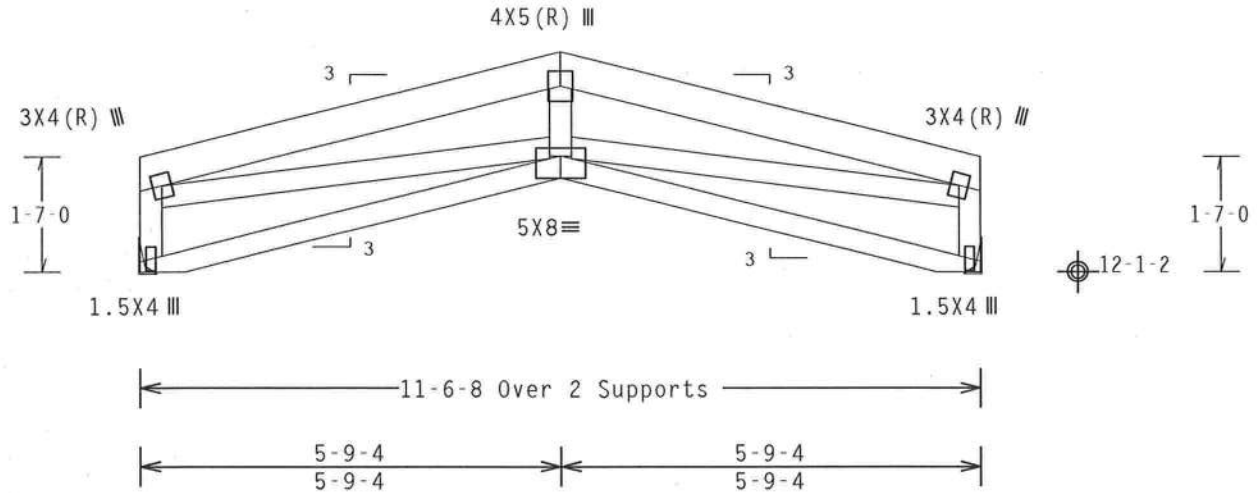
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 14.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=352 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=352 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:6 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35510
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313121
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126500
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

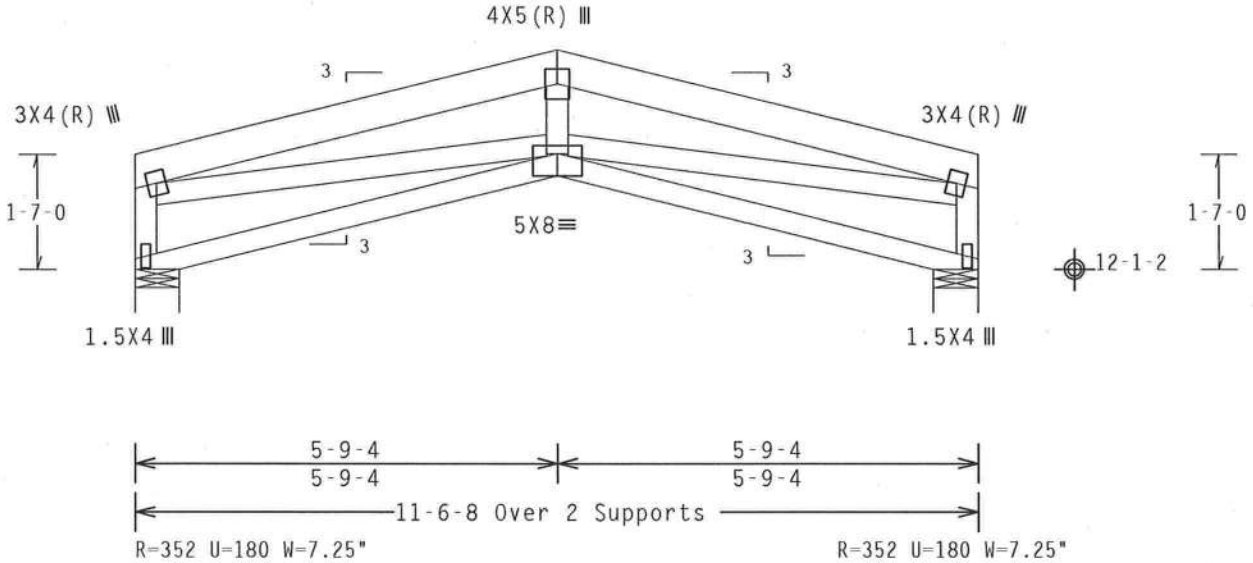
(5-344-ISAAC CONST/HOBLR - ROOF - MB)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 14.40 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:3 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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FL Certificate of Authorization # 567

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TC LL	20.0 PSF	REF	R487-- 35511
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313122
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126505
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBLR - ROOF - MBH)

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

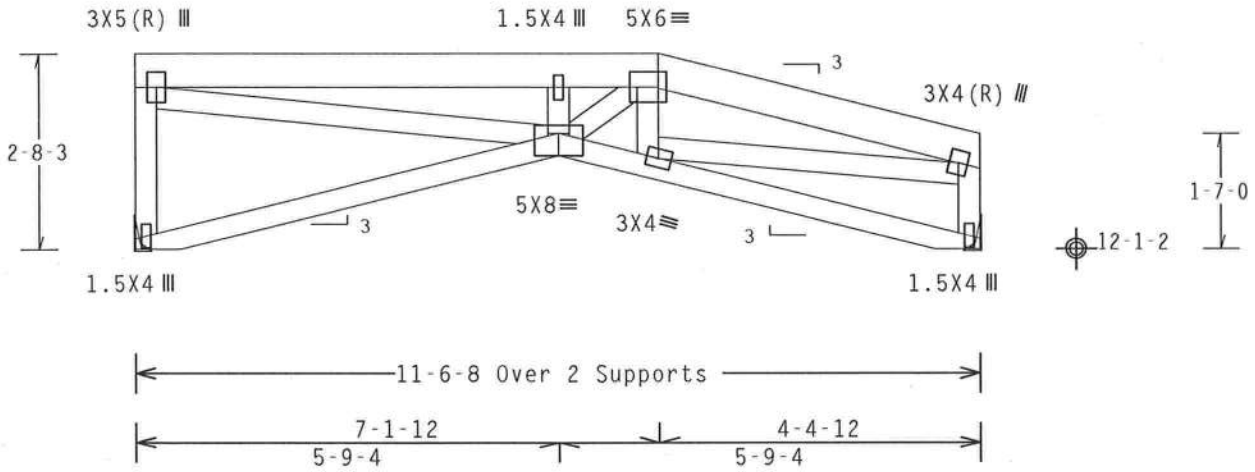
Left end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.23 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=353 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=351 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35512
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313123
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126511
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HOBLER - ROOF - MBH1)

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

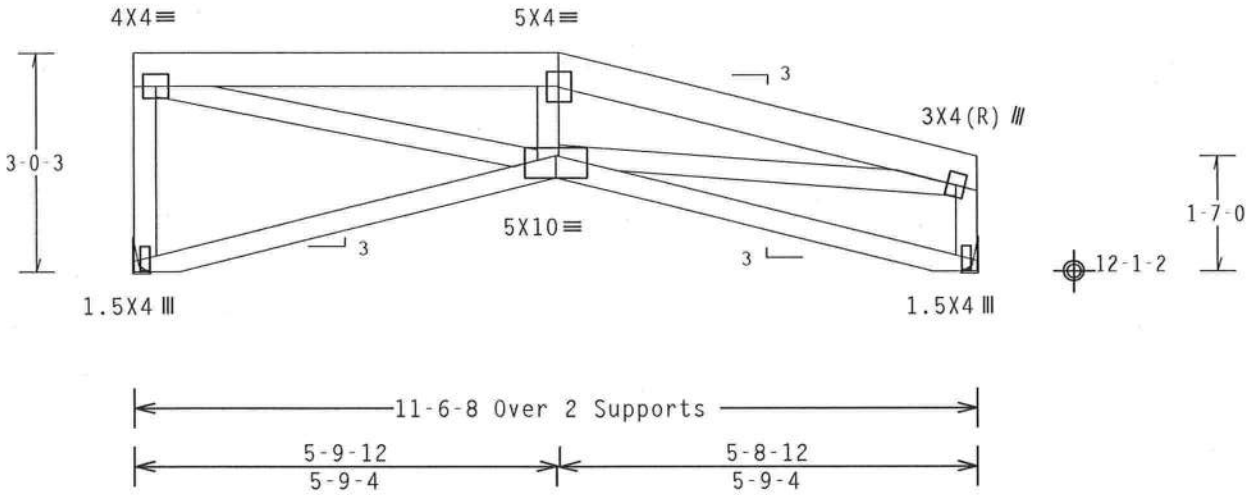
Left end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.39 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



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w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=352 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 LU QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35513
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313124
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126533
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MBH2)

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

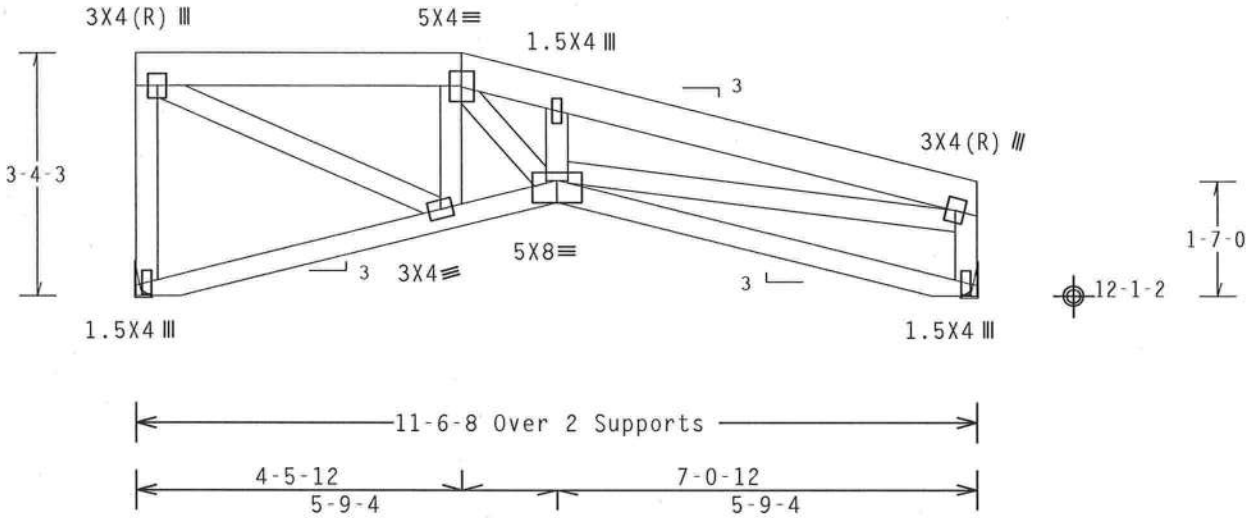
Left end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=351 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=353 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.00 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 05

ALPINE

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

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TC LL	20.0 PSF	REF	R487-- 35514
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313125
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126523
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

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

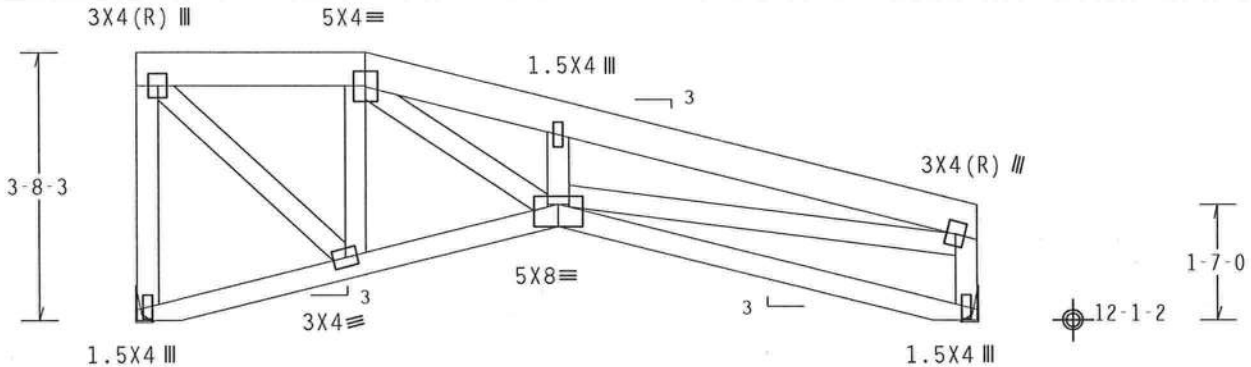
Left end vertical not exposed to wind pressure.

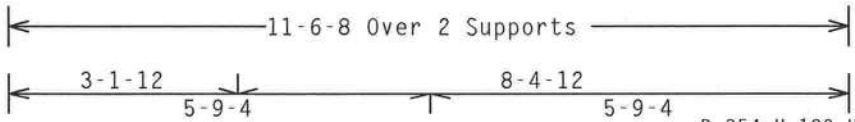
Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 14.73 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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





R=351 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=354 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

Nov [illegible] '05

ALPINE

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TC LL	20.0 PSF
TC DL	15.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	45.0 PSF
DUR.FAC.	1.25
SPACING	16.0"

REF	R487-- 35515
DATE	11/09/05
DRW	HCUSR487 05313126
HC-ENG	JB/AF
SEQN-	126529
JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MBGE)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 68 PLF at 0.00 to 68 PLF at 11.54
BC - From 13 PLF at 0.00 to 13 PLF at 11.54

Trusses to be spaced at 16.0" OC maximum.

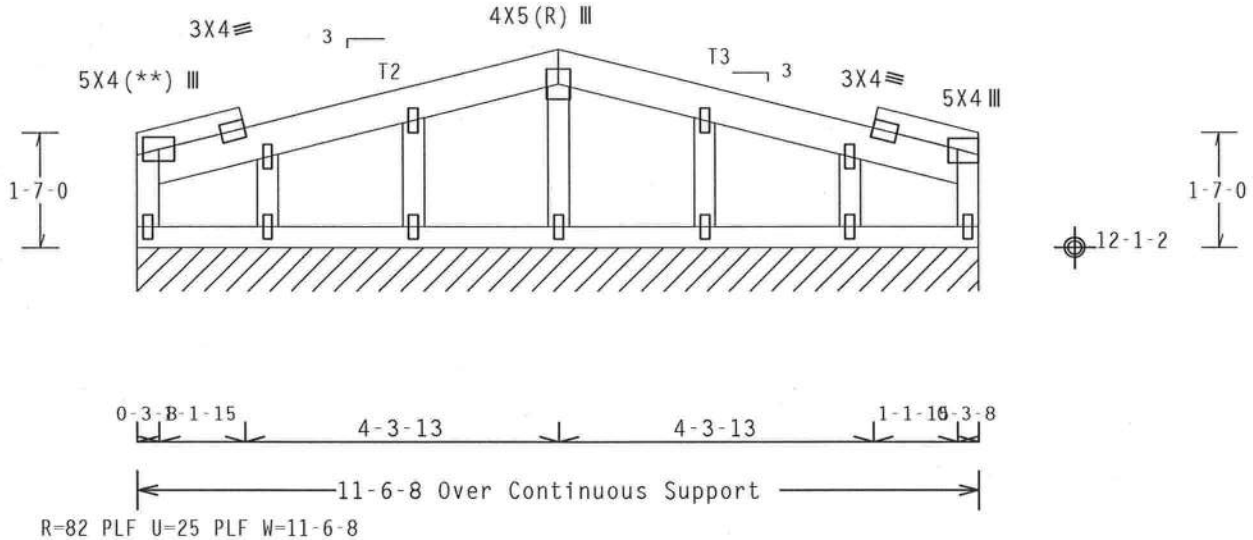
Fasten rated sheathing to one face of this frame.

(**) Plate relocated as shown.

110 mph wind, 14.13 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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Nov [illegible] '05

TC LL	20.0 PSF	REF	R487-- 35516
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313127
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126539
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MFGE)

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

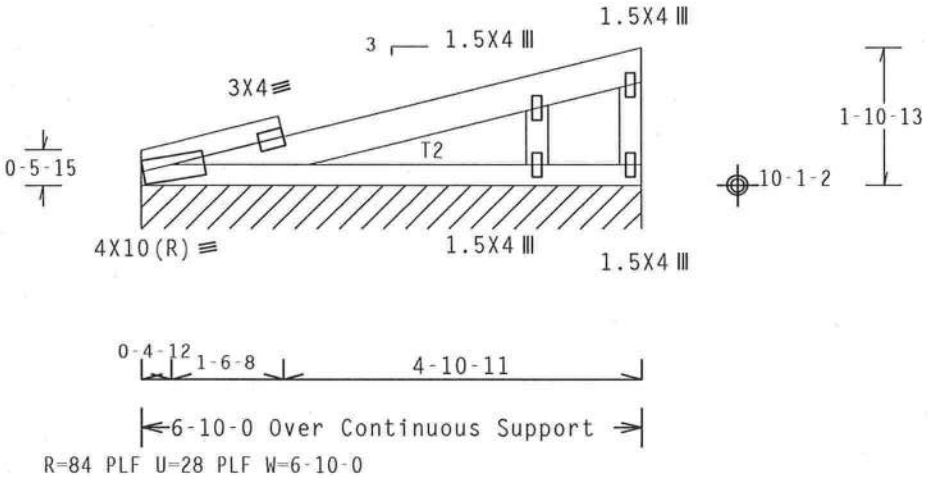
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 6.83
BC - From 20 PLF at 0.00 to 20 PLF at 6.83

110 mph wind, 11.19 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 08 '05

TC LL	20.0 PSF	REF	R487-- 35517
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313128
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126978
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MGB)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

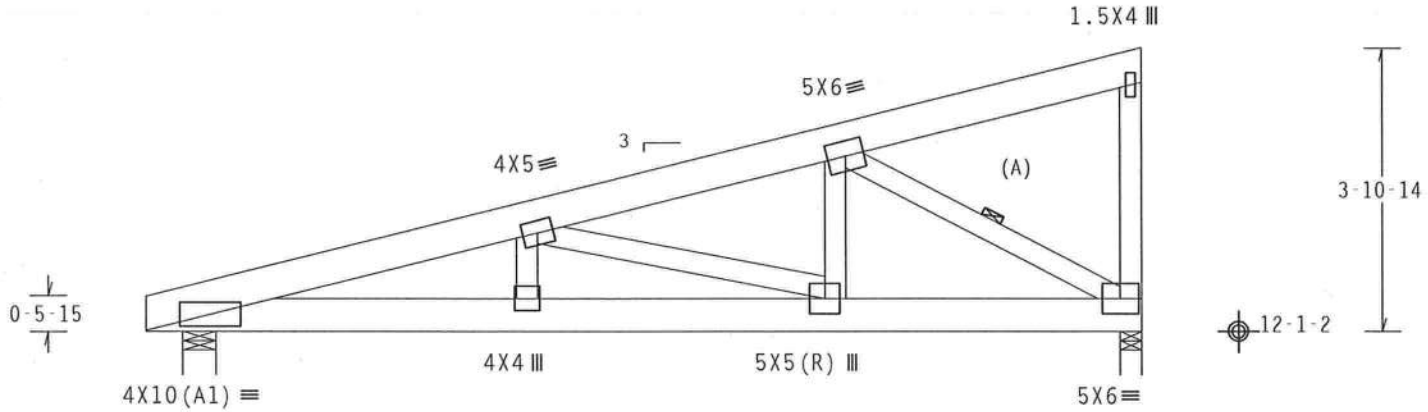
Dead loads are stated on projected horizontal area basis.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 70 PLF at 0.00 to 70 PLF at 13.65
BC - From 20 PLF at 0.00 to 20 PLF at 13.65
BC - 519 LB Conc. Load at 1.48, 3.48, 5.48, 7.48, 9.48
11.48

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35518
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313129
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161387
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - MPGE)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :C1 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 9.10
BC - From 20 PLF at 0.00 to 20 PLF at 9.10

Dead loads are stated on projected horizontal area basis.

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

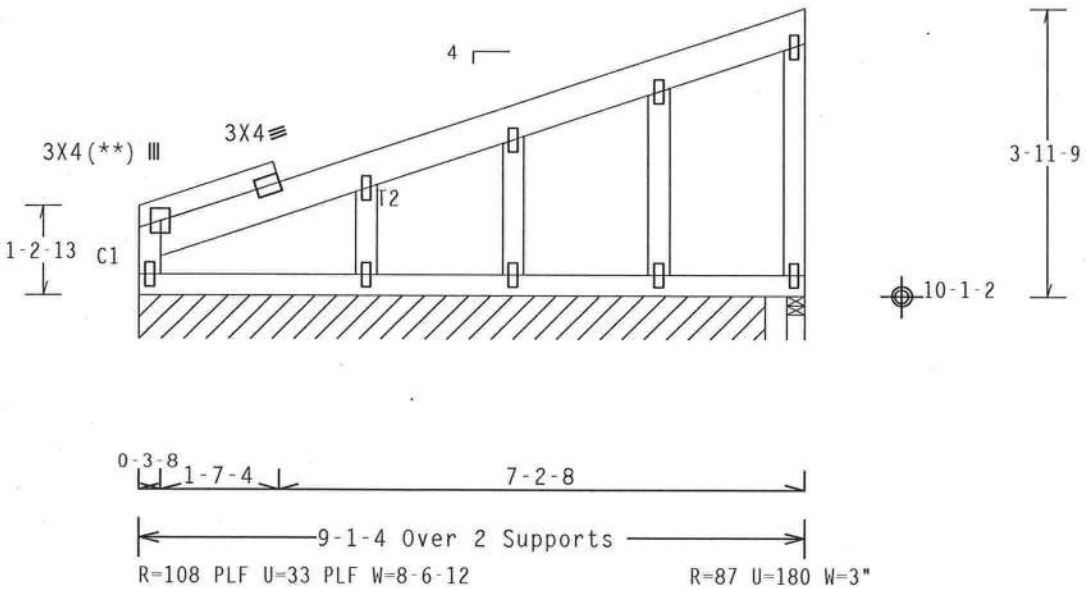
(**) Plate relocated as shown.

110 mph wind, 12.59 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Fasten rated sheathing to one face of this frame.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35519
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313130
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161380
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MDR)

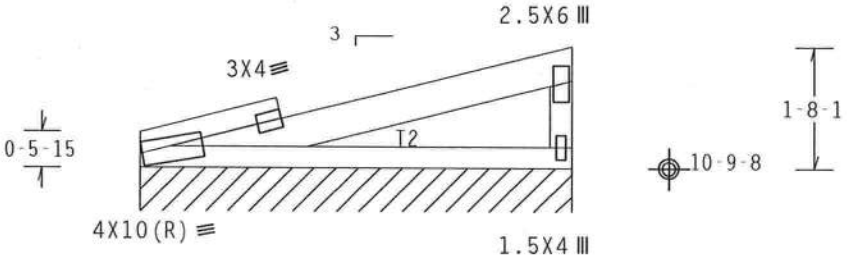
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

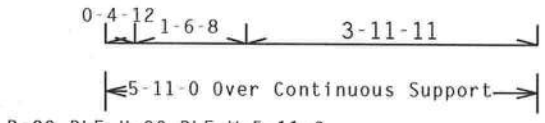
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 5.92
BC - From 20 PLF at 0.00 to 20 PLF at 5.92

110 mph wind, 11.77 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

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





R=80 PLF U=30 PLF W=5-11-0

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35520
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313161
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161372
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/NUBER - ROOF - MDL)

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

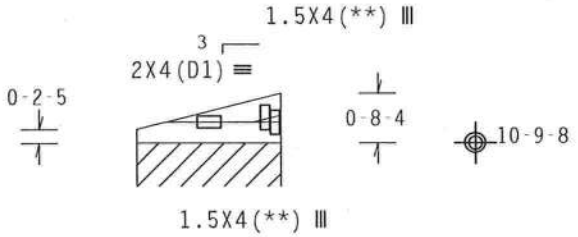
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 1.98
BC - From 20 PLF at 0.00 to 20 PLF at 1.98

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

(**) Plate relocated as shown.

110 mph wind, 11.28 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.



1-11-12 Over Continuous Support

R=111 PLF U=91 PLF W=1-11-12

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35521
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313131
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161368
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H28A)

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

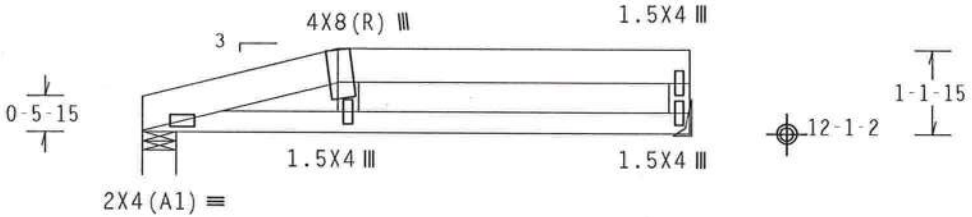
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

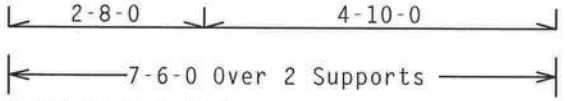
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

#1 hip supports 2-8-0 jacks with no webs.





R=307 U=180 W=5.5"

R=322 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 05

TC LL	20.0 PSF	REF	R487-- 35522
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313132
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126181
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBER - ROOF - MG)

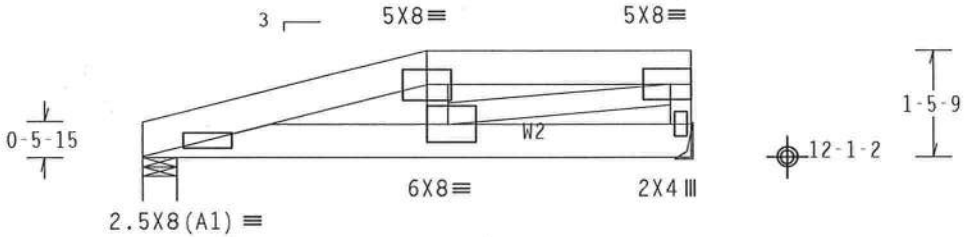
Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

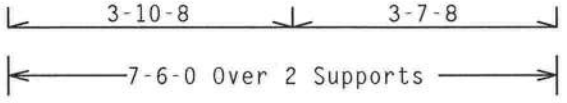
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 7.50
BC - From 20 PLF at 0.00 to 20 PLF at 7.50
BC - 663 LB Conc. Load at 0.90
BC - 821 LB Conc. Load at 2.23
BC - 685 LB Conc. Load at 3.56
BC - 555 LB Conc. Load at 4.90, 6.23

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





R=2176 U=394 W=5.5"

R=1783 U=330 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.38687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09,'05

TC LL	20.0 PSF	REF	R487-- 35523
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313133
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126258
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MD)

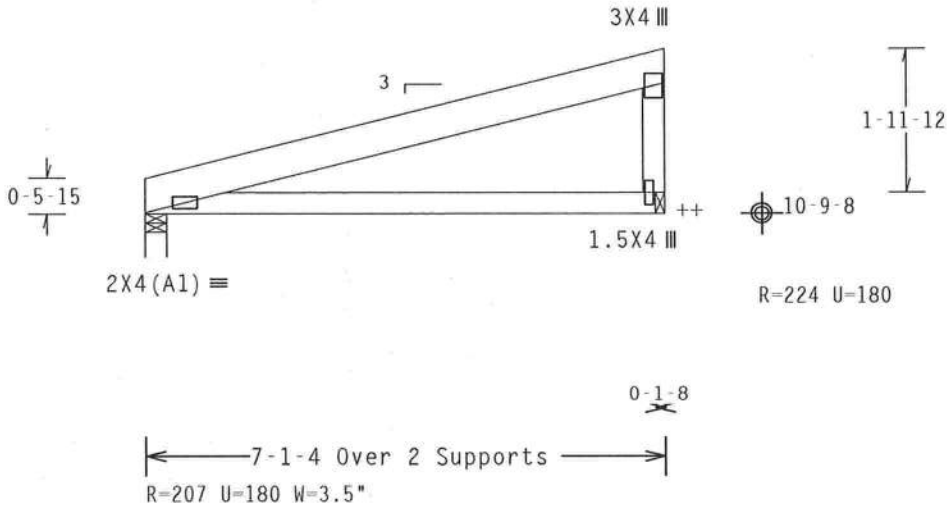
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

110 mph wind, 12.17 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:12 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35524
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313052
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160799
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MF)

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

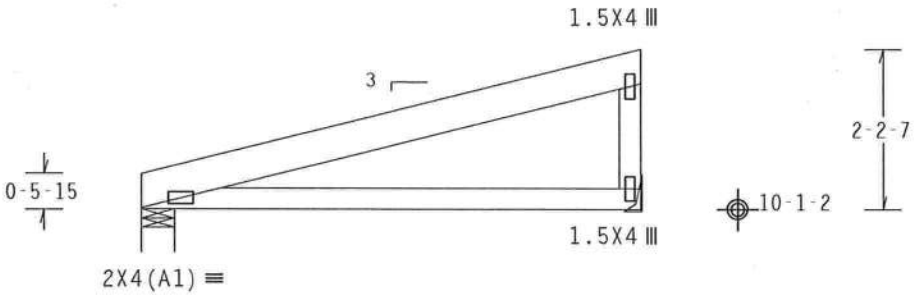
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 11.44 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.



6-10-0 Over 2 Supports

R=204 U=180 W=5.5"

R=210 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible]TY:6 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 0[illegible] '05

TC LL	20.0 PSF	REF	R487-- 35525
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313053
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160810
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MP)

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

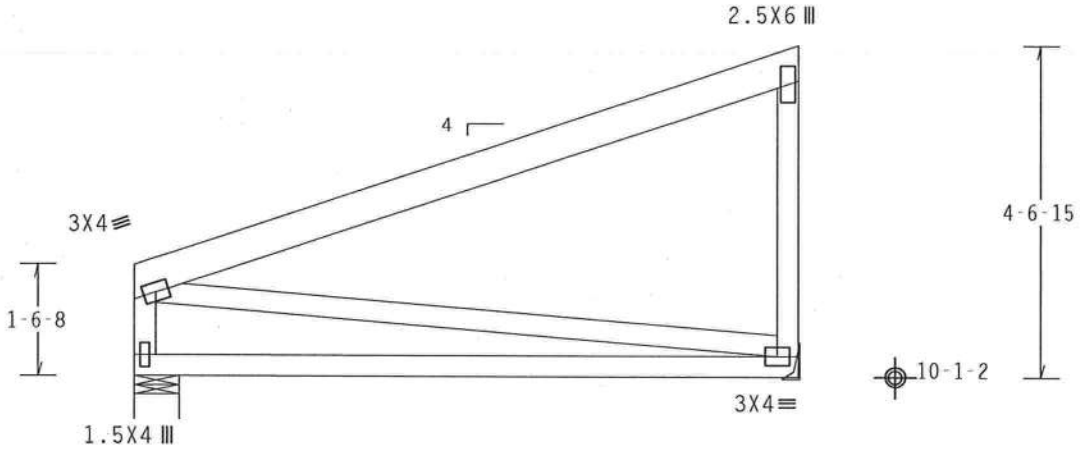
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 13.15 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.



9-1-4 Over 2 Supports

R=293 U=180 W=7.25"

R=263 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:5 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35526
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313054
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	160815
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - ML)

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

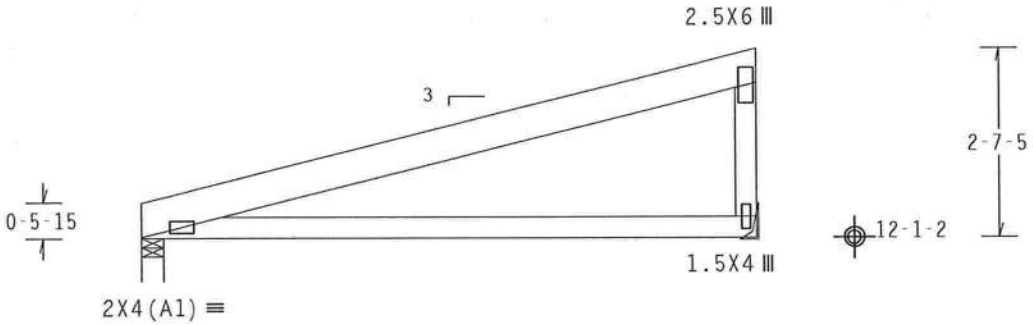
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 13.64 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.



8-5-8 Over 2 Supports

R=249 U=180 W=3.5"

R=264 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:7 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF	R487-- 35527
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313055
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126915
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - MLG)

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

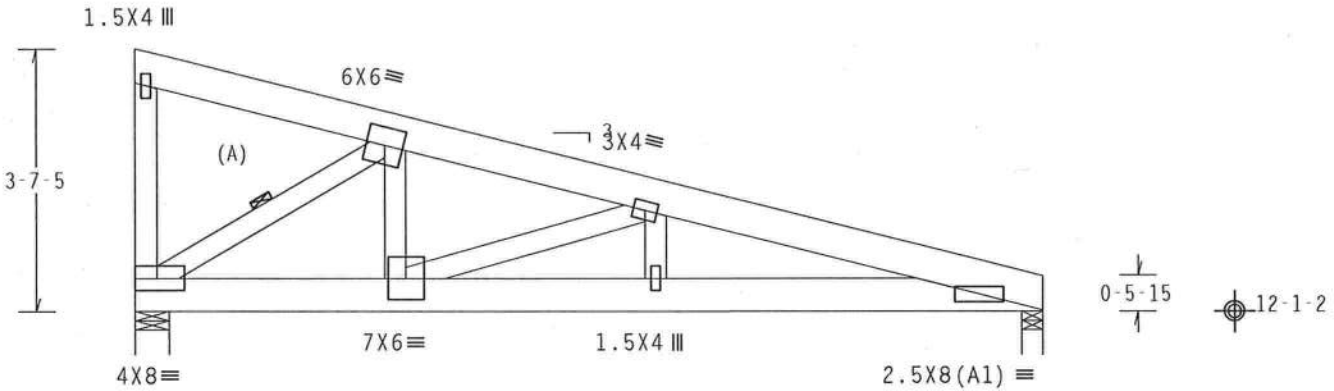
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 12.46
BC - From 20 PLF at 0.00 to 20 PLF at 12.46
BC - 478 LB Conc. Load at 2.60
BC - 1733 LB Conc. Load at 3.94

(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.



12-5-8 Over 2 Supports

R=2123 U=651 W=5.5"

R=1220 U=374 W=3.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

TC LL	20.0 PSF	REF	R487-- 35528
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313134
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126941
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - N)

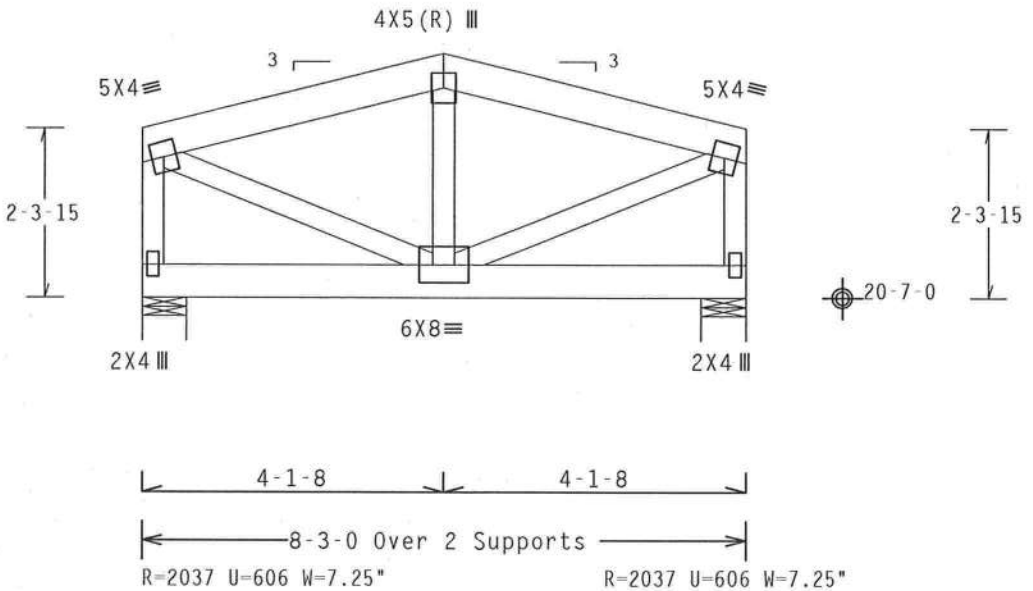
Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

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.

110 mph wind, 23.43 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Girder supports 20-0-4 span to BC one face and 2-0-0 span to TC/BC split opposite face.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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TC LL	20.0 PSF	REF	R487-- 35529
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313135
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161213
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - NGE)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 91 PLF at 0.00 to 91 PLF at 8.25
BC - From 20 PLF at 0.00 to 20 PLF at 8.25

Dead loads are stated on projected horizontal area basis.

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

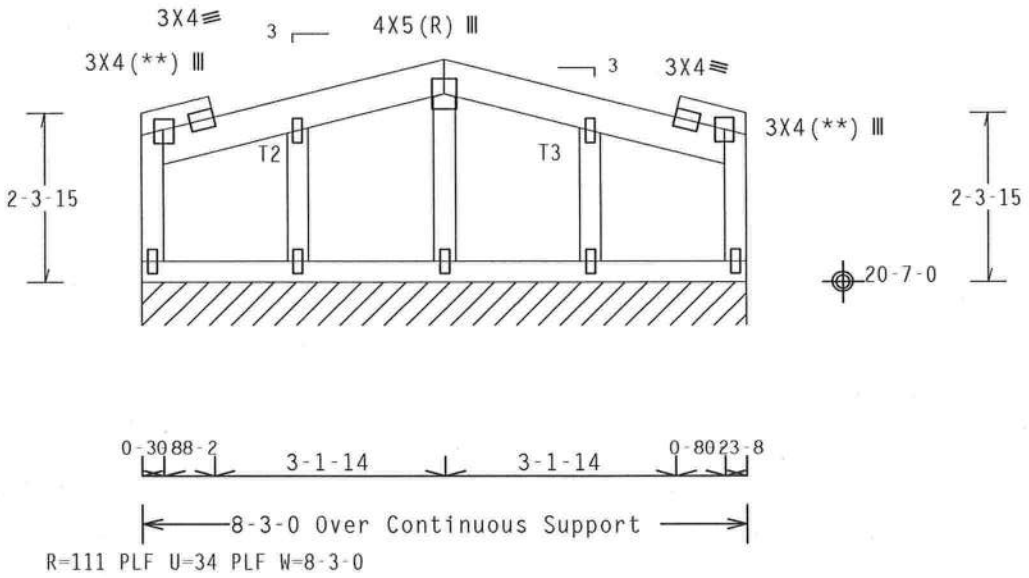
(**) Plate relocated as shown.

110 mph wind, 23.16 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

See DWGS A11030EC1103 & GBLLETIN0405 for more requirements.

Fasten rated sheathing to one face of this frame.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35530
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313136
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161359
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-544-ISAAC CONST/HUBER - ROOF - H4W)

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

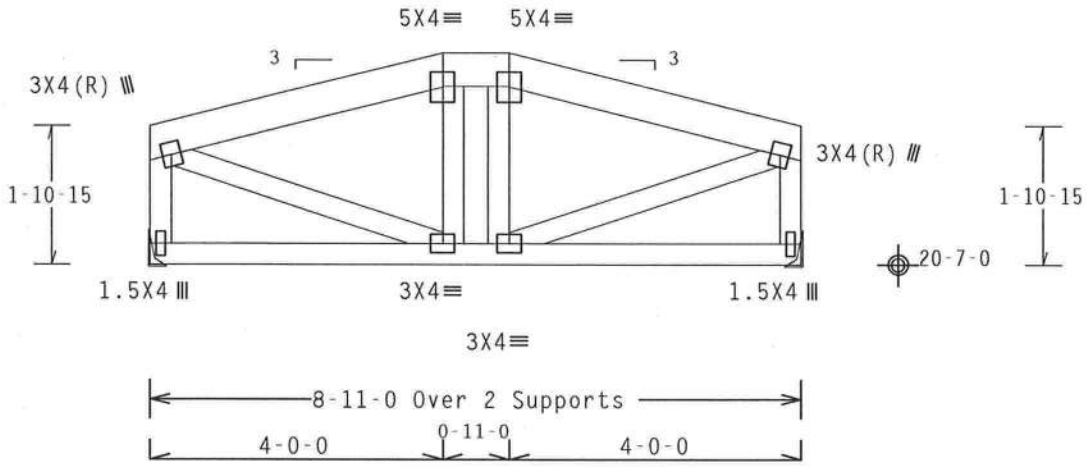
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 22.99 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

#1 hip supports 4-0-0 jacks with no webs.



R=439 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

R=439 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

Nov 0[illegible] '05

ALPINE

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

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TC LL	20.0 PSF	REF	R487-- 35531
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313137
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161125
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-544-ISAAC CONST/HOBER - ROOF - N)

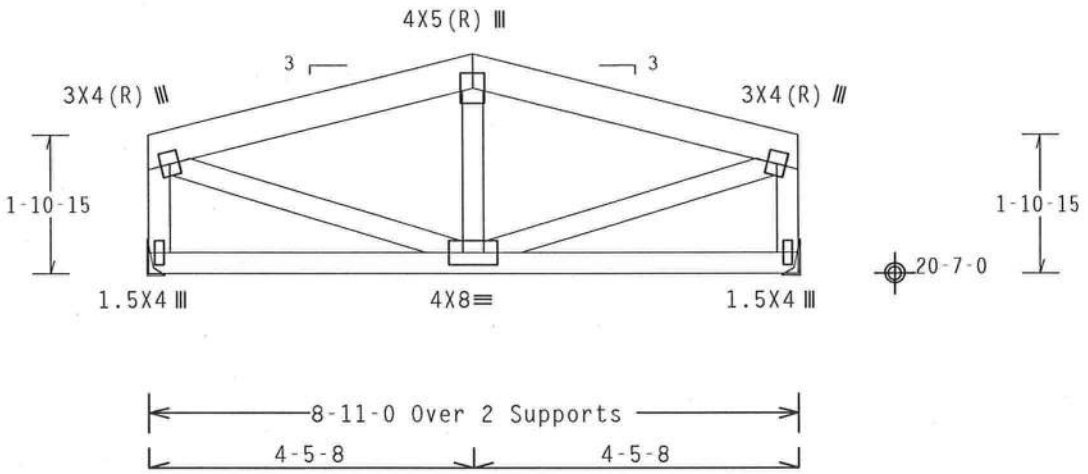
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.05 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=270 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

R=270 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X4 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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TC LL	20.0 PSF	REF R487-- 35532
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313056
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN- 161132
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBLR - ROOF - H680)

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

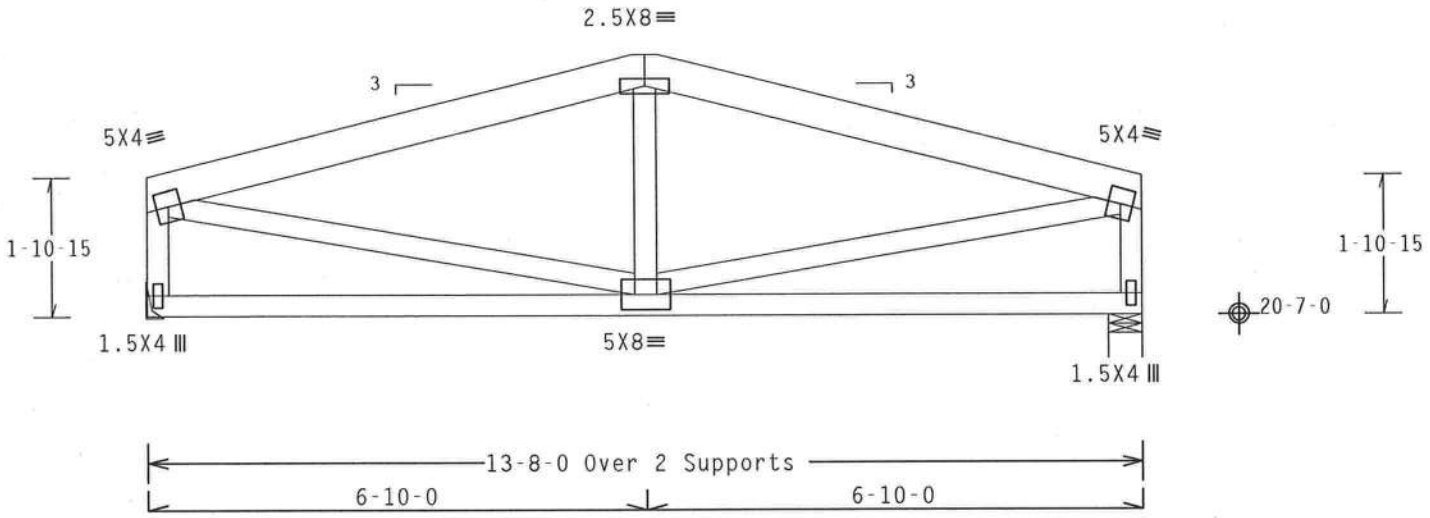
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

#1 hip supports 6-8-0 jacks with no webs.



R=962 U=286 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=962 U=286 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35533
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313138
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161087
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H8P)

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

End verticals not exposed to wind pressure.

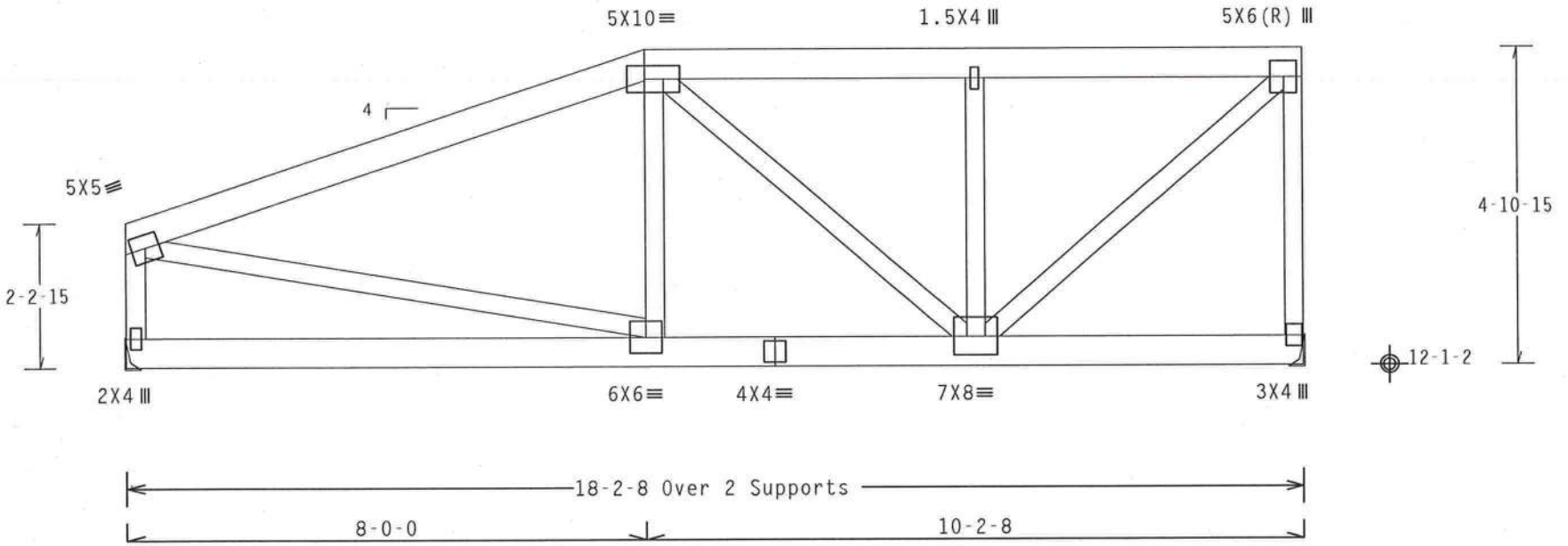
Trusses to be spaced at 16.0" OC maximum.

#1 hip supports 8-0-0 jacks with no webs.

110 mph wind, 15.67 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R=1436 U=366 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1986 U=505 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35534
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313139
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 160948
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HOBLER - ROOF - P)

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

End verticals not exposed to wind pressure.

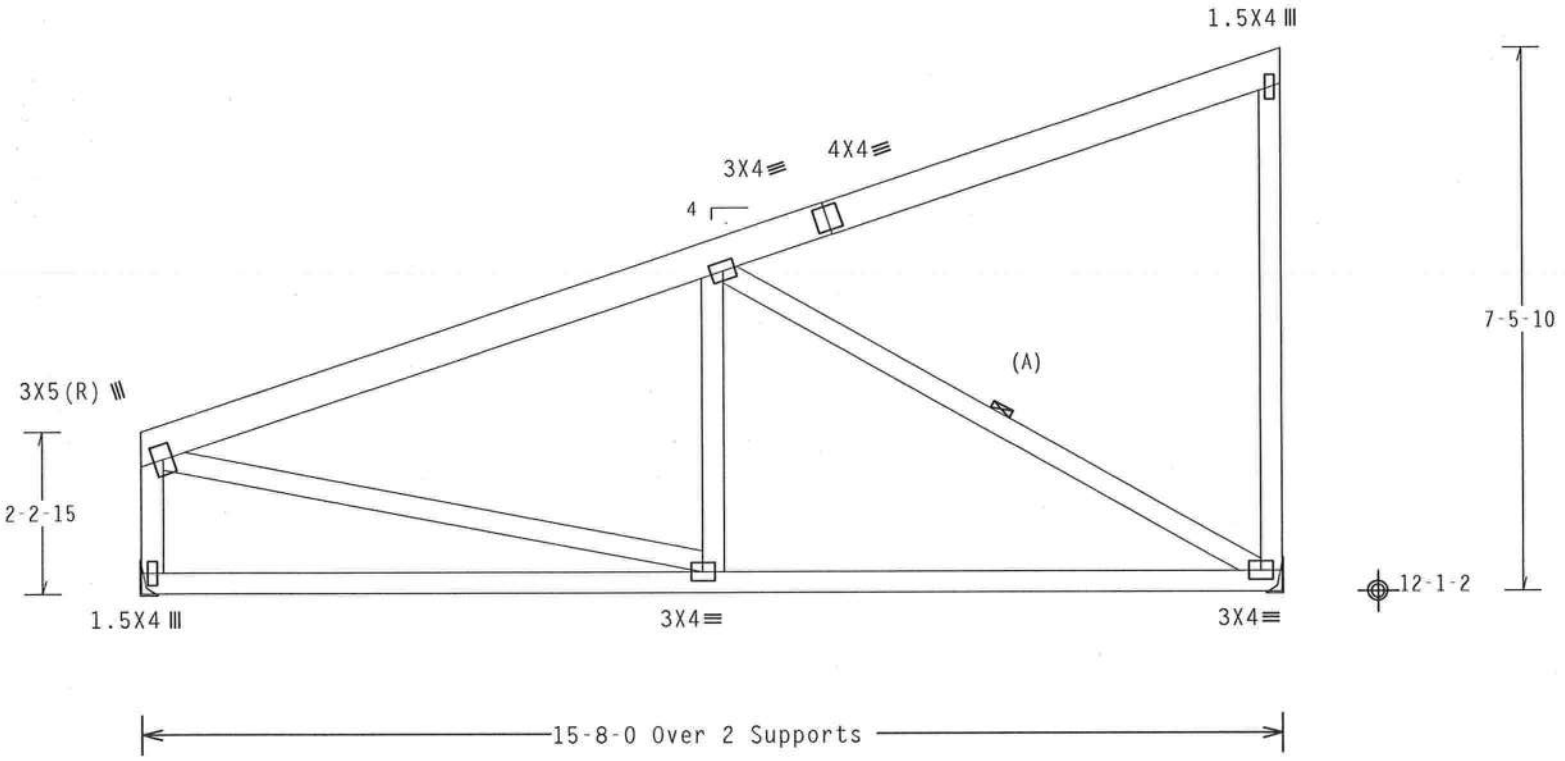
(A) Continuous lateral bracing equally spaced on member.

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 16.95 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R=482 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=475 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:5 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

TC LL	20.0 PSF	REF R487-- 35535
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313140
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 160964
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H94F)

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

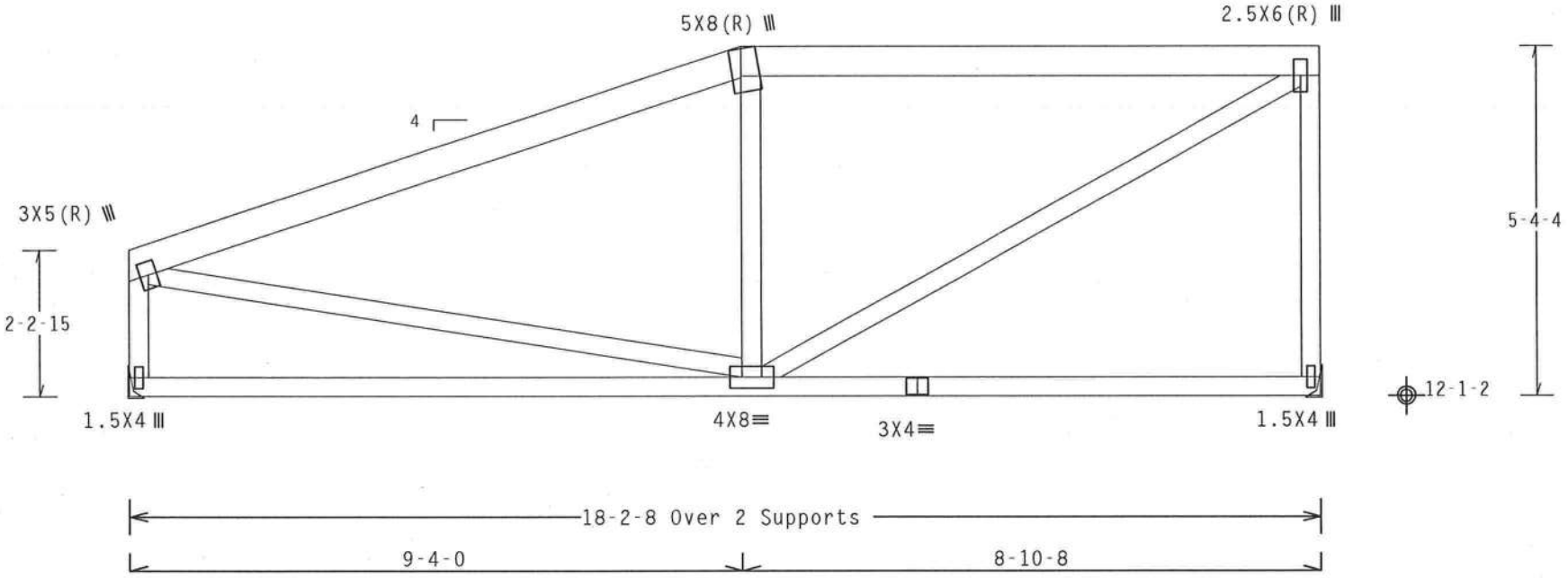
End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 15.89 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=561 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=551 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible]Y:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35536
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313141
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160952
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H108P)

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

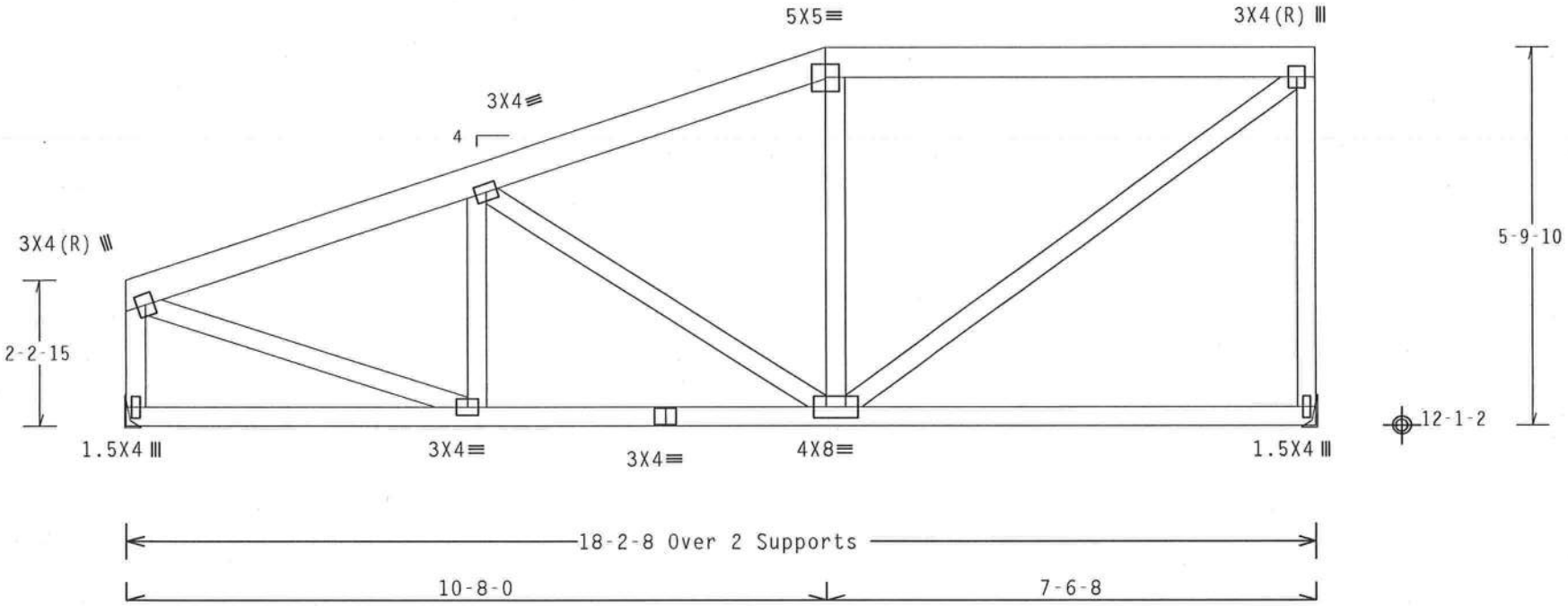
End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 16.12 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=558 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=554 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF R487-- 35537
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313142
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 160956
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H12F)

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

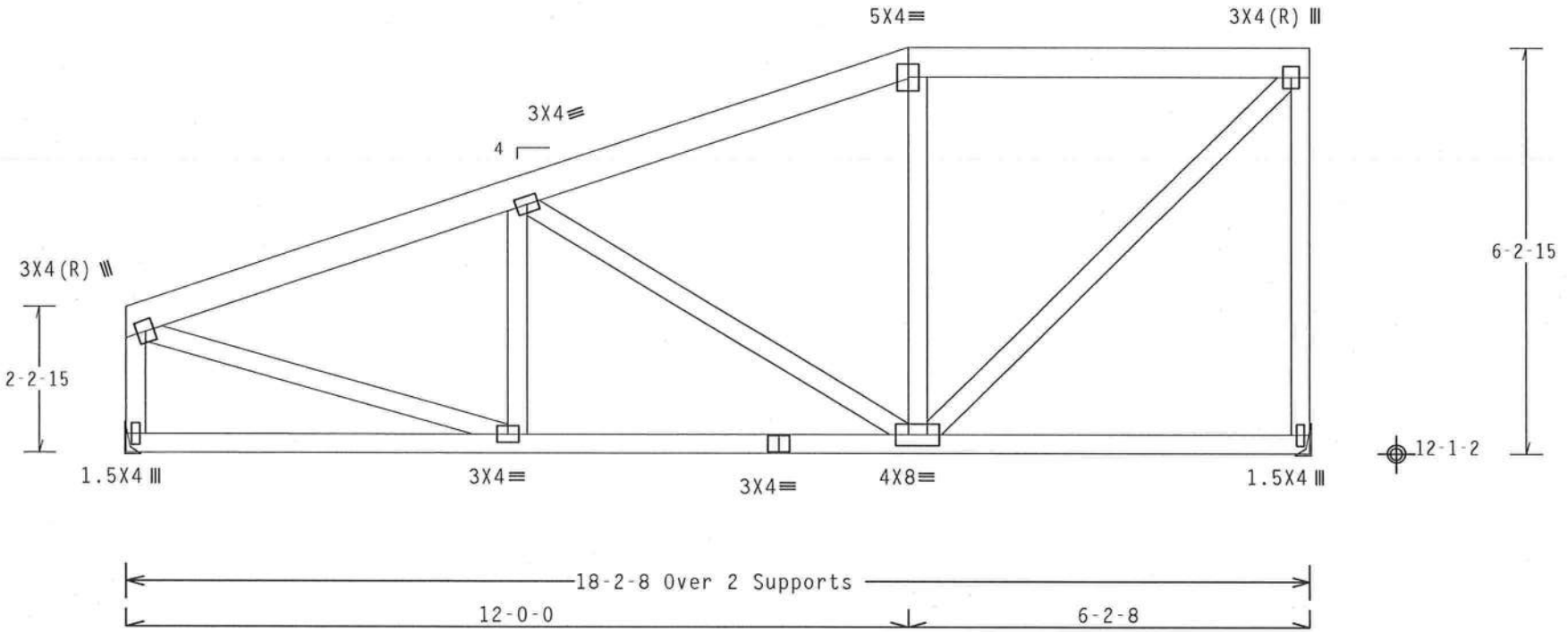
End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 16.34 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=558 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=554 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35538
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313143
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160960
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

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

(5-344-ISAAC CONST/HUBER - ROOF - H1504F)

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

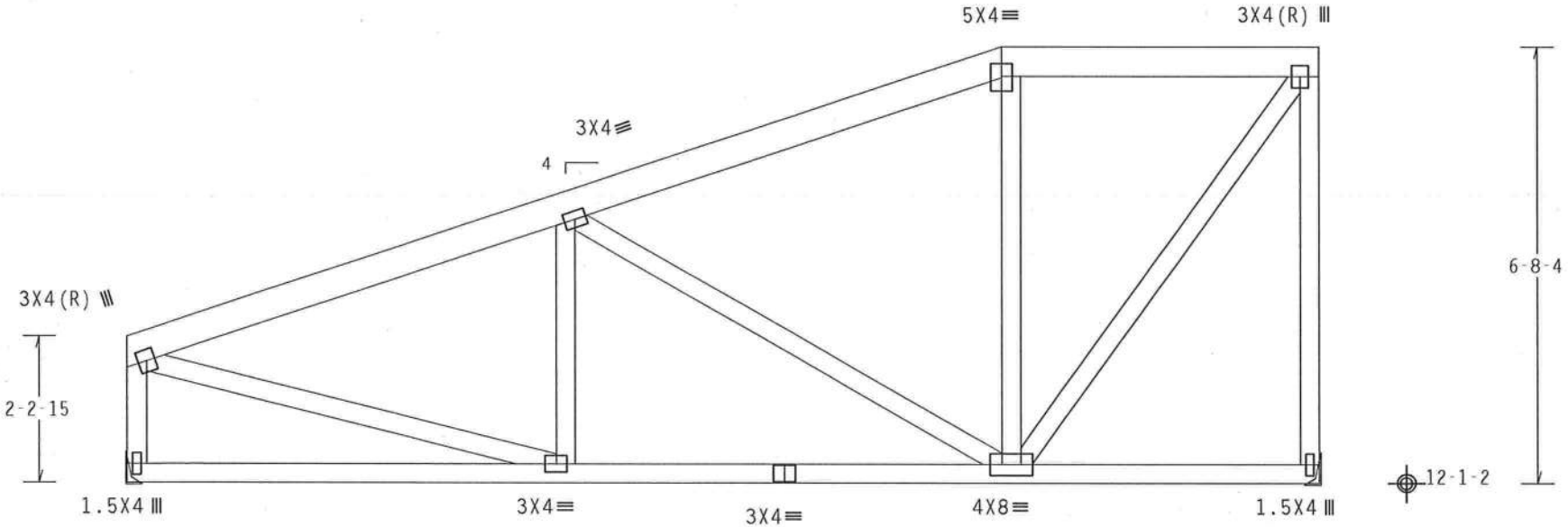
End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 16.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



13-4-0 | 4-10-8

18-2-8 Over 2 Supports

R=558 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=554 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35539
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313144
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160972
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

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

End verticals not exposed to wind pressure.

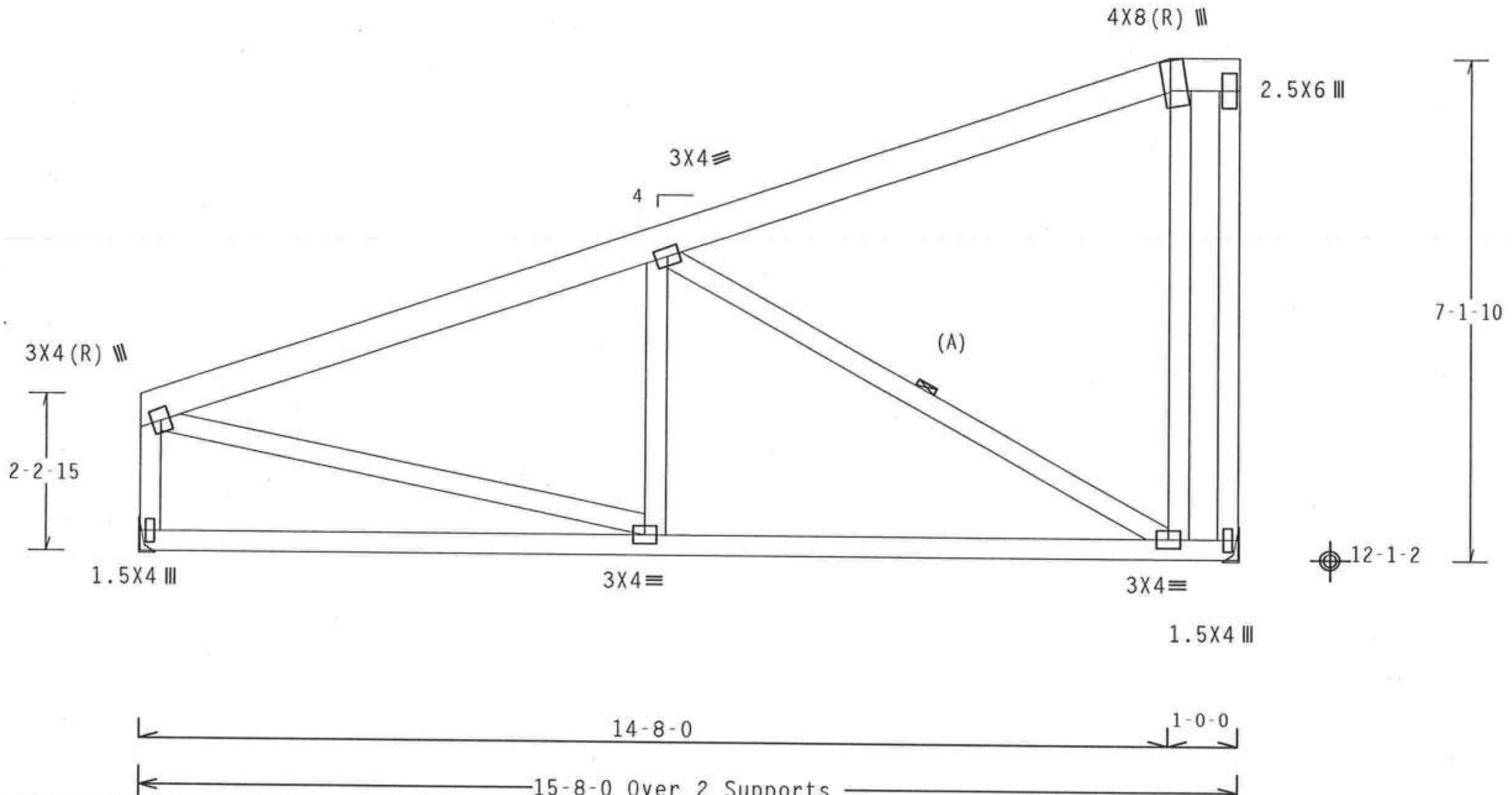
(A) Continuous lateral bracing equally spaced on member.

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 16.78 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R=482 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=475 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0... QTY:1 FL/-/3/-/-/R/-

Scale =.375"/Ft.

ALPINE

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

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

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35540
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313145
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	160984
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H68R)

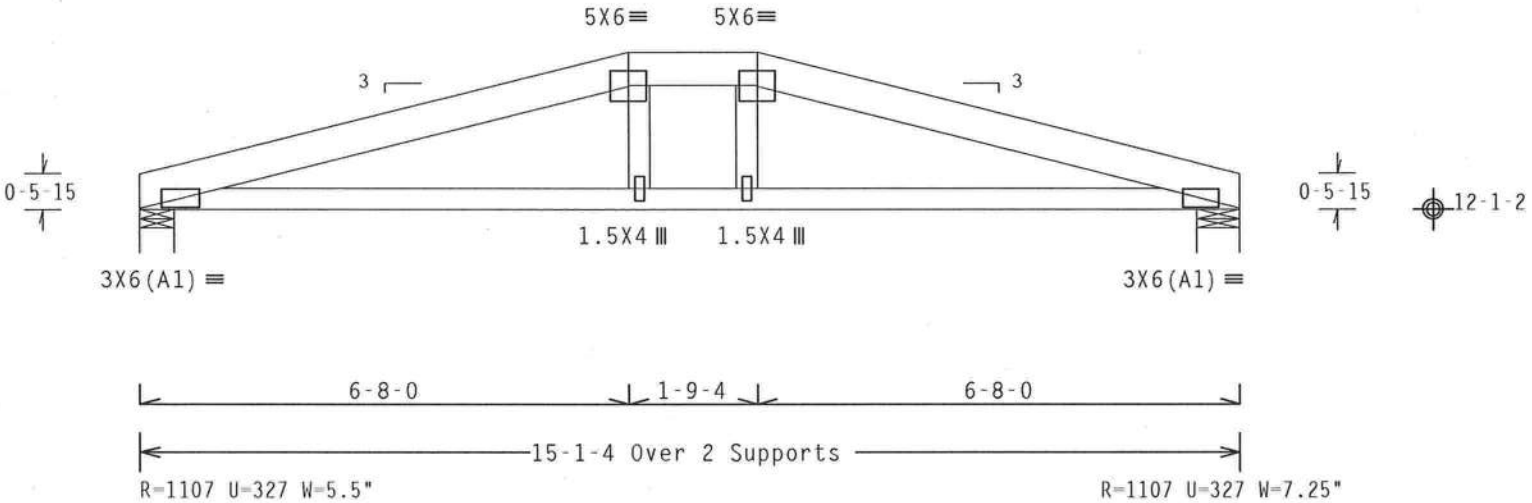
Top chord 2x6 SP #1 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Trusses to be spaced at 16.0" OC maximum.

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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 6-8-0 jacks with no webs.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35541
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313146
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	126485
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

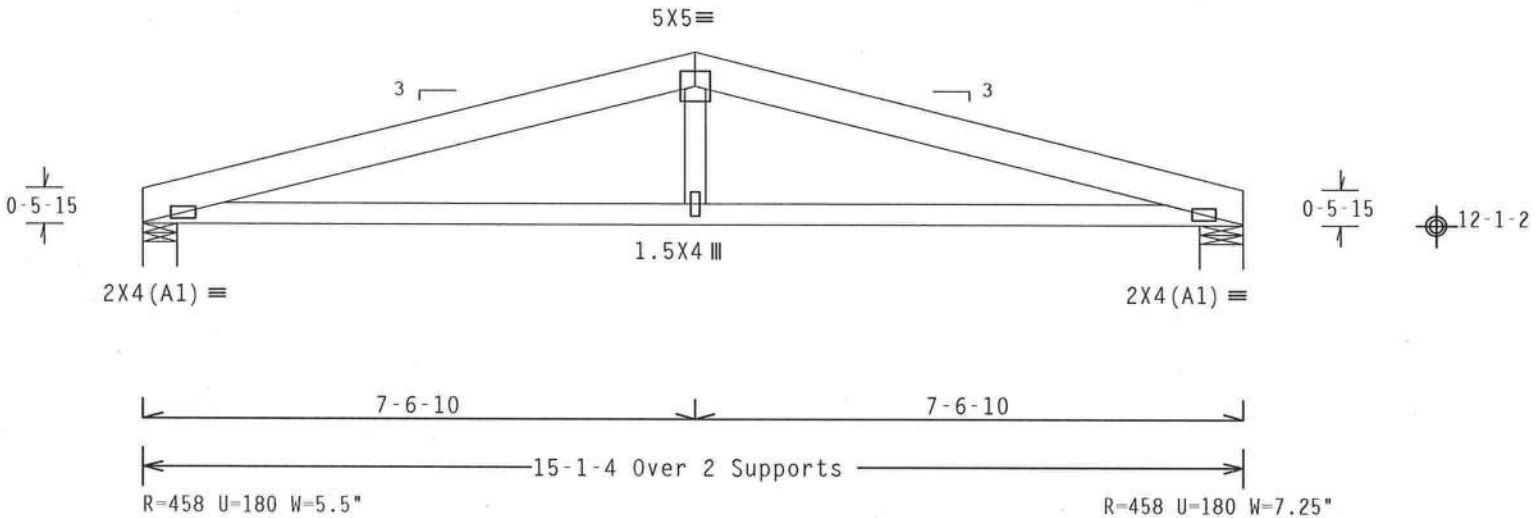
(5-344-ISAAC CONST/HUBER - ROOF - R)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 13.53 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

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

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35542
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313057
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126489
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

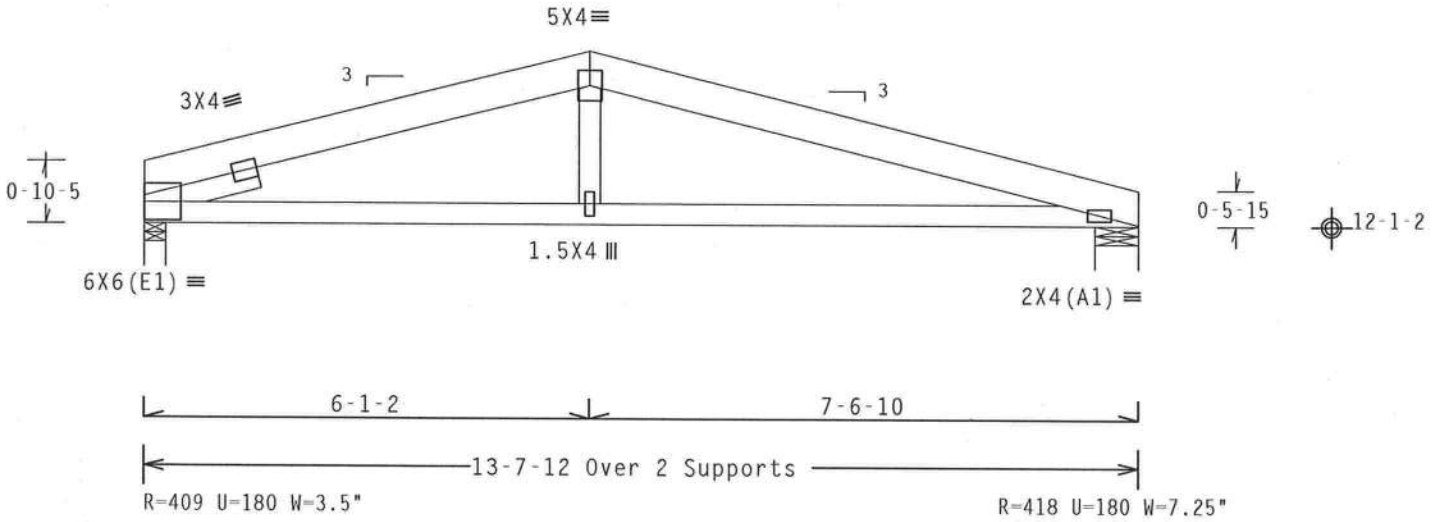
(5-344-ISAAC CONST/HUBER - ROOF - RS)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.606'

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

110 mph wind, 13.53 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.08 [illegible]Y:3 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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

Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35543
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313058
BC LL	0.0 PSF		HC-ENG JB/AF *
TOT.LD.	45.0 PSF	SEQN-	126493
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST)/HUBER - ROOF - RG)

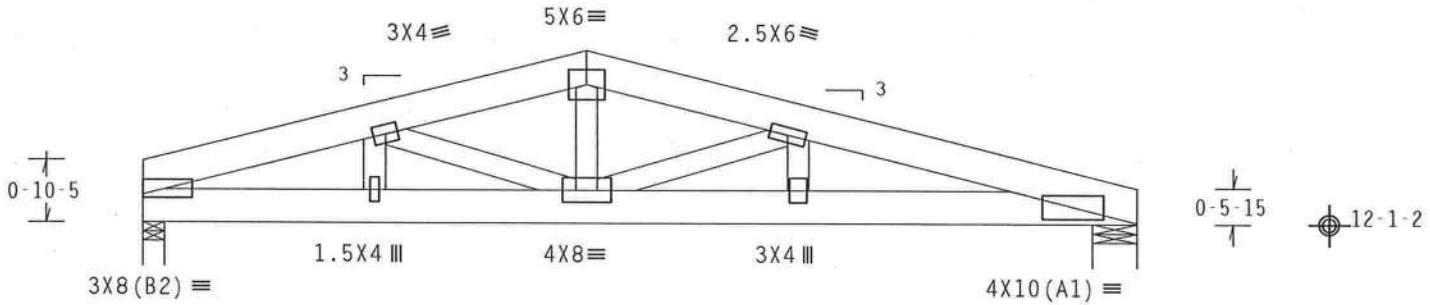
Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

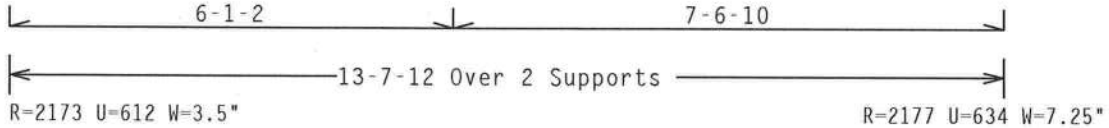
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 13.65
BC - From 13 PLF at 0.00 to 13 PLF at 13.65
BC - 354 LB Conc. Load at 0.83, 2.17
BC - 352 LB Conc. Load at 3.50, 4.83, 6.17, 7.50, 8.83 10.17, 11.50, 12.83

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 09 '05

TC LL	20.0 PSF	REF R487-- 35544
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313147
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 126659
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H5103)

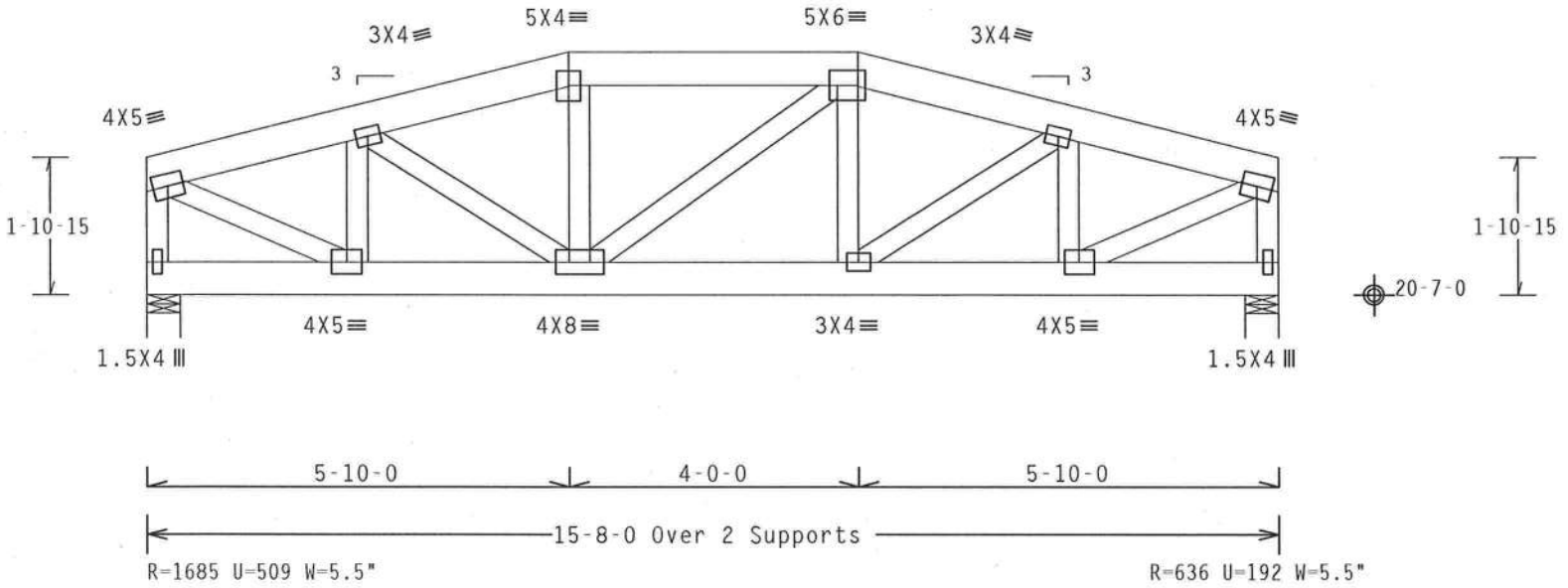
Top chord 2x6 SP #1 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

110 mph wind, 23.22 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 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.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 15.67
BC - From 13 PLF at 0.00 to 13 PLF at 15.67
BC - 184 LB Conc. Load at 1.40
BC - 1188 LB Conc. Load at 1.94

Trusses to be spaced at 16.0" OC maximum.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35545
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313148
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161107
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

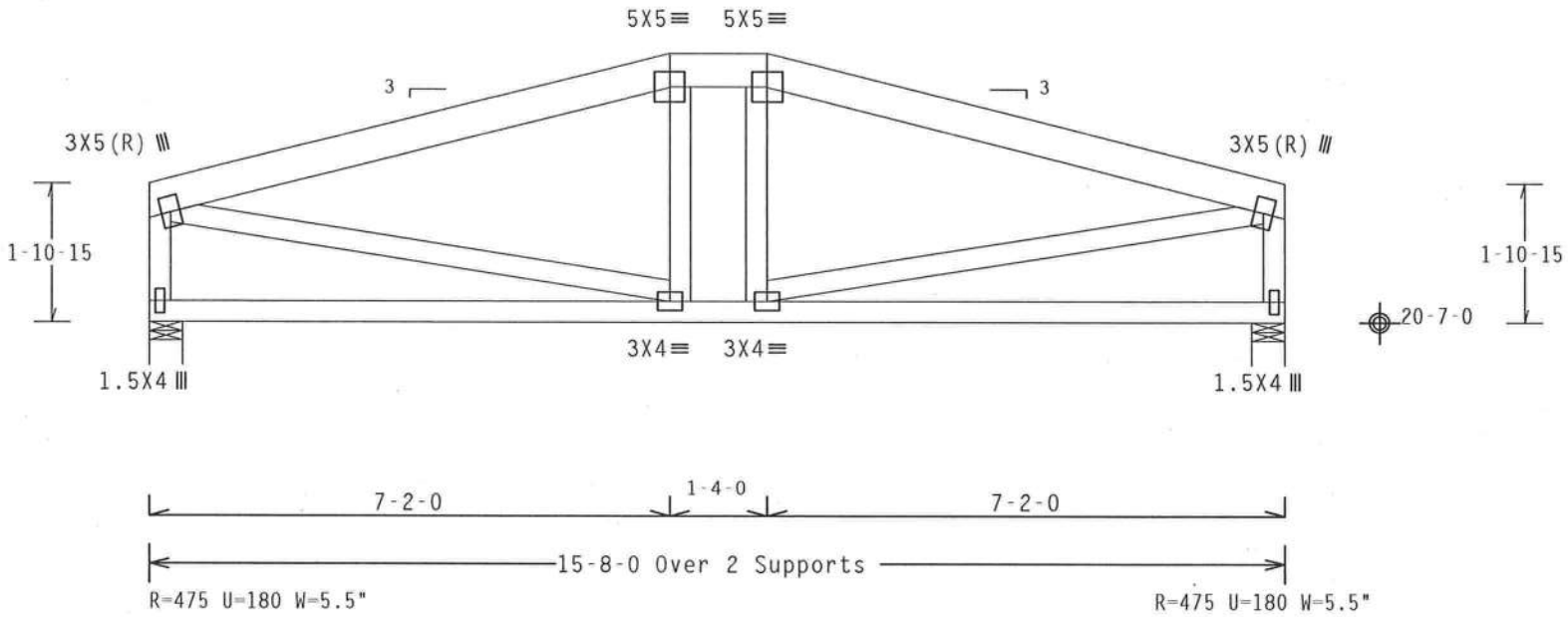
(5-344-ISAAC CONST)HUBER - ROOF - H723)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.39 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35546
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313149
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161113
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

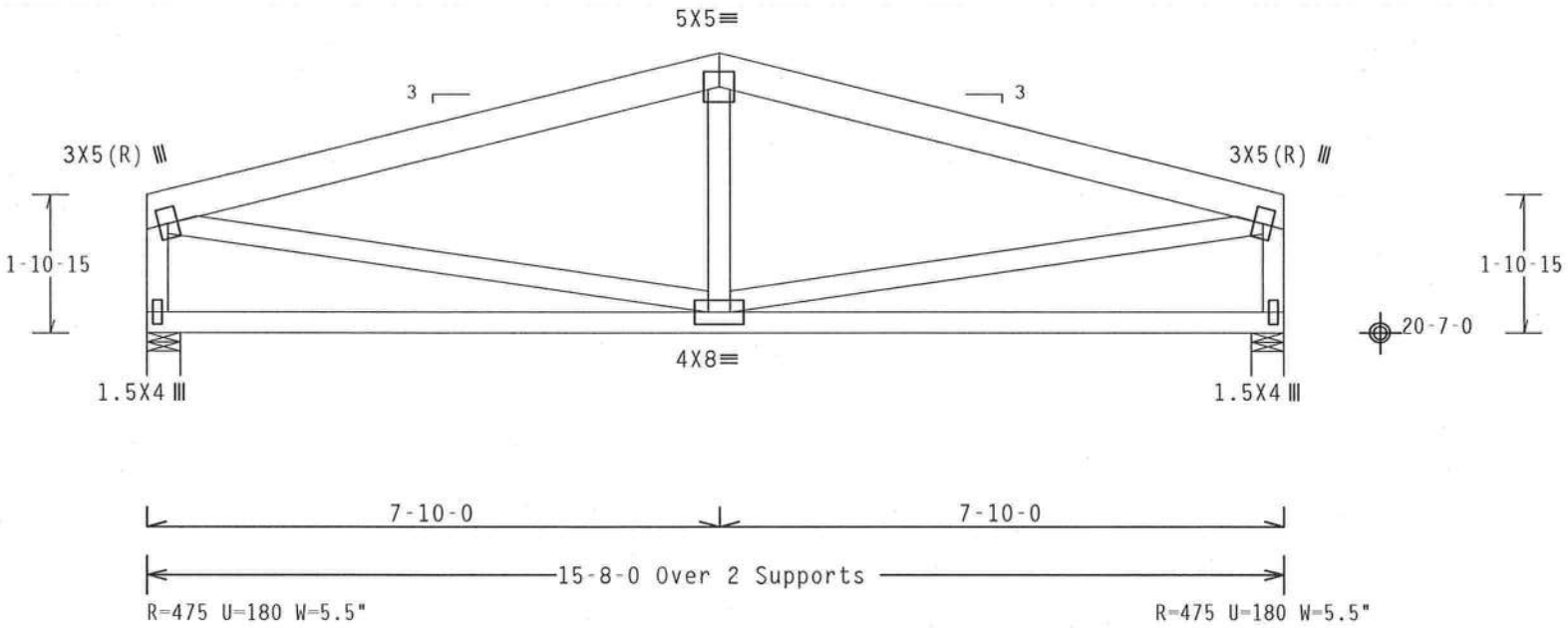
(5-344-ISAAC CONST/HUBER - ROOF - S)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.47 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

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TC LL	20.0 PSF	REF	R487-- 35547
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313059
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161117
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - SG)

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

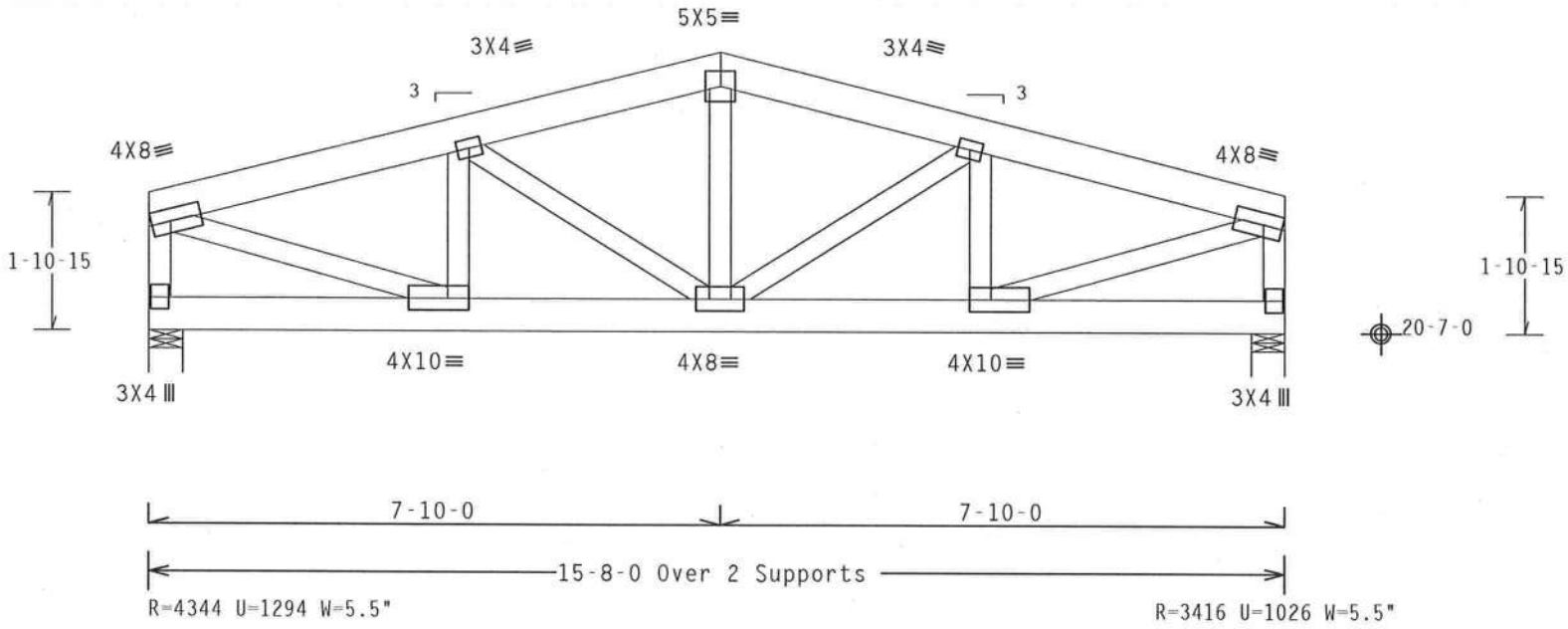
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 15.67
BC - From 20 PLF at 0.00 to 20 PLF at 15.67
BC - 607 LB Conc. Load at 0.94, 2.27, 3.60, 4.94, 6.27
7.60, 8.94
BC - 2087 LB Conc. Load at 10.27

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 23.47 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

ALPINE
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TC LL	20.0 PSF	REF	R487-- 35548
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313150
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161209
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

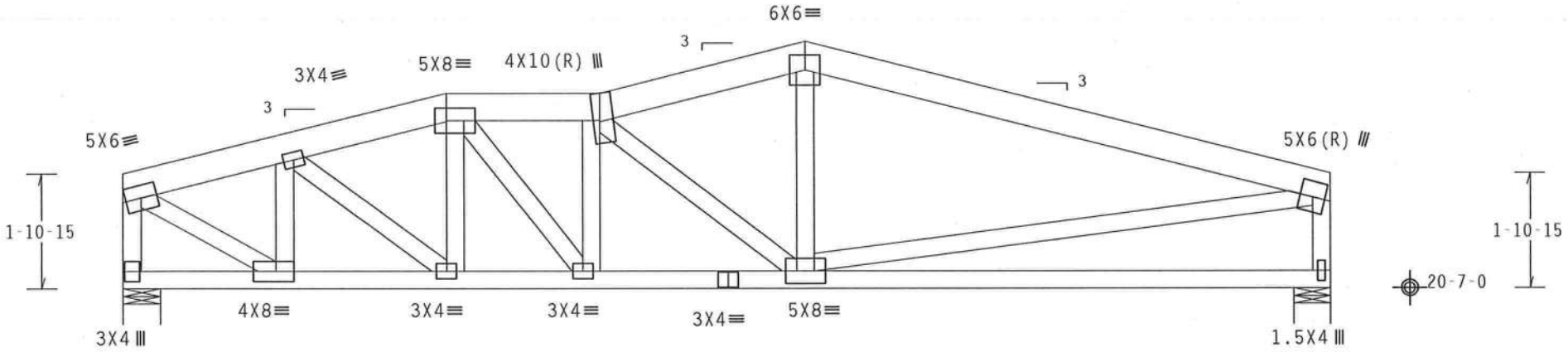
(5-344-ISAAC CONST/HUBER - ROOF - H541)

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

110 mph wind, 23.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 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.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at 0.00 to 71 PLF at 5.33
TC - From 71 PLF at 5.33 to 71 PLF at 11.28
TC - From 71 PLF at 11.28 to 71 PLF at 20.02
BC - From 20 PLF at 0.00 to 20 PLF at 20.02
BC - 168 LB Conc. Load at 1.40
BC - 1344 LB Conc. Load at 2.48



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 TY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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TC LL	20.0 PSF	REF	R487-- 35549
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313151
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161345
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HOBLER - ROOF - H54HT)

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

110 mph wind, 23.16 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

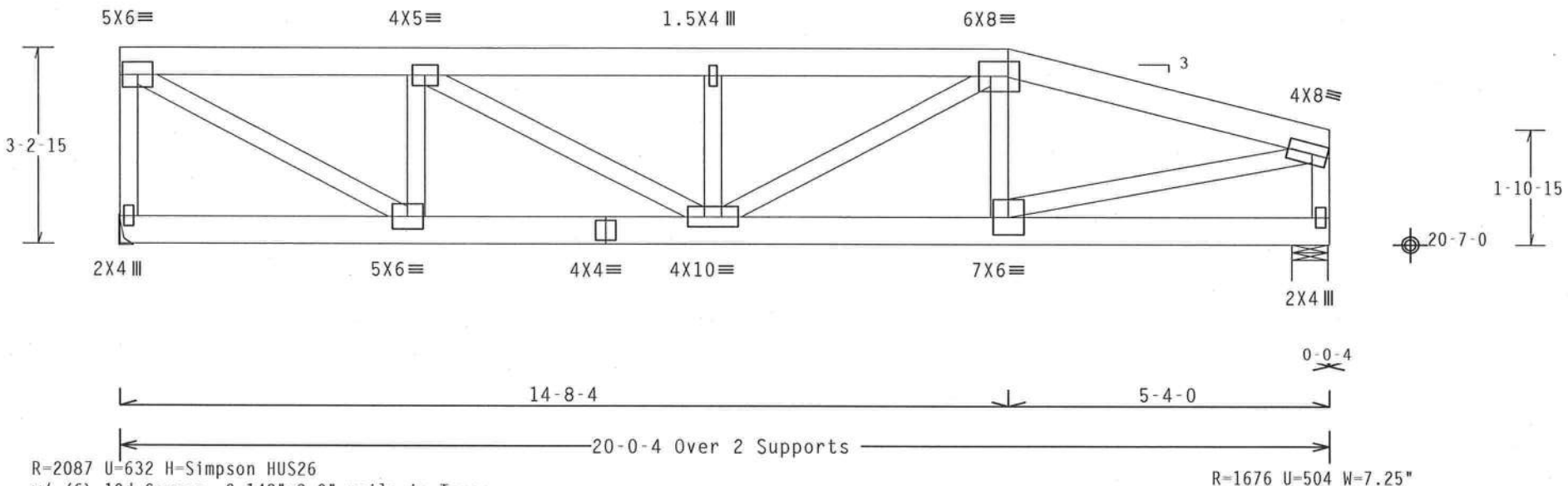
Left end vertical not exposed to wind pressure.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 47 PLF at 0.00 to 47 PLF at 20.02
BC - From 13 PLF at 0.00 to 13 PLF at 20.02
TC - 126 LB Conc. Load at 10.63, 11.96, 13.29
TC - 442 LB Conc. Load at 14.69
BC - 749 LB Conc. Load at 0.35, 9.40
BC - 36 LB Conc. Load at 10.63, 11.96, 13.29
BC - 125 LB Conc. Load at 14.69

Trusses to be spaced at 16.0" OC maximum.

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



R=2087 U=632 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1676 U=504 W=7.25"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

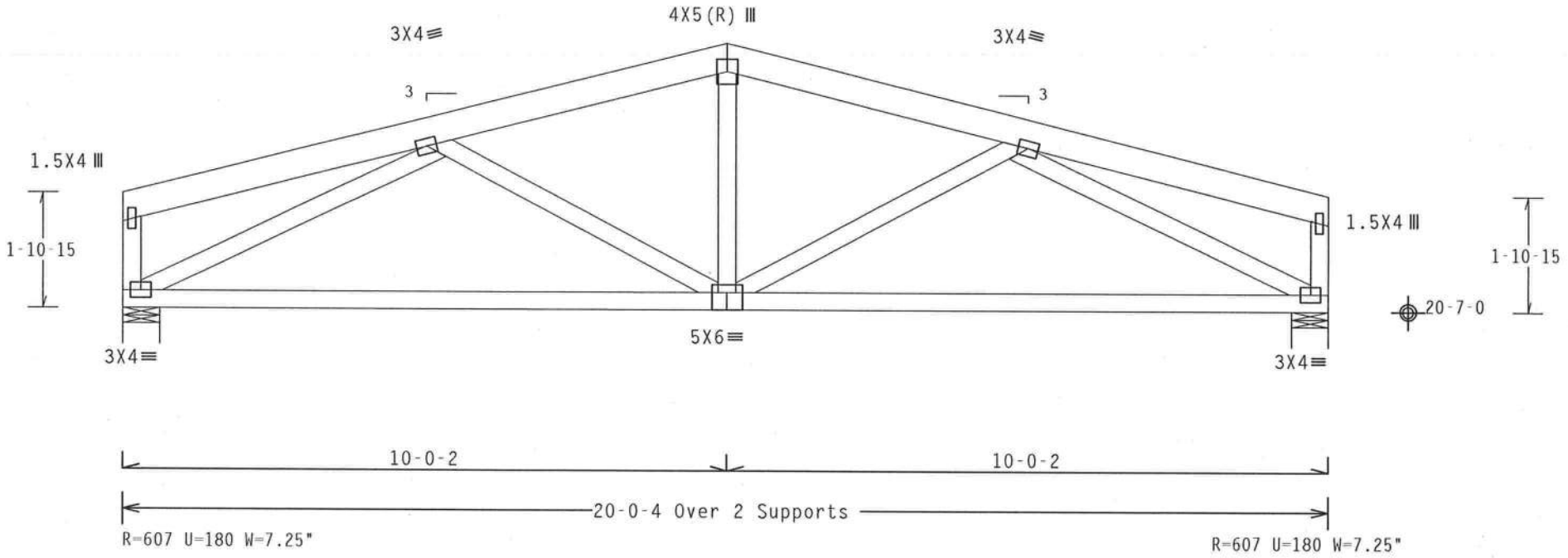
TC LL	20.0 PSF	REF	R487-- 35550
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313152
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161183
DUR.FAC.	1.25		
SPACING	16.0"		JREF- 1SS0487_Z01

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:8 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER
REGISTERED
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35551
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313060
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	45.0 PSF	SEQN-	161155
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/RUBER - ROOF - T)

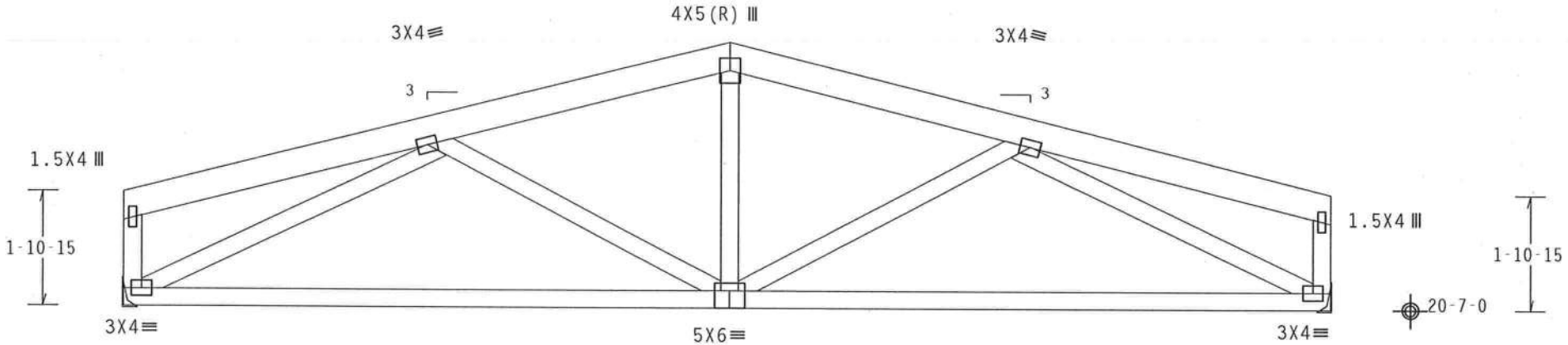
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=607 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=607 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

PLT TYP. Wave

QTY:4 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
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ARTHUR R FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35552
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313153
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161162
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

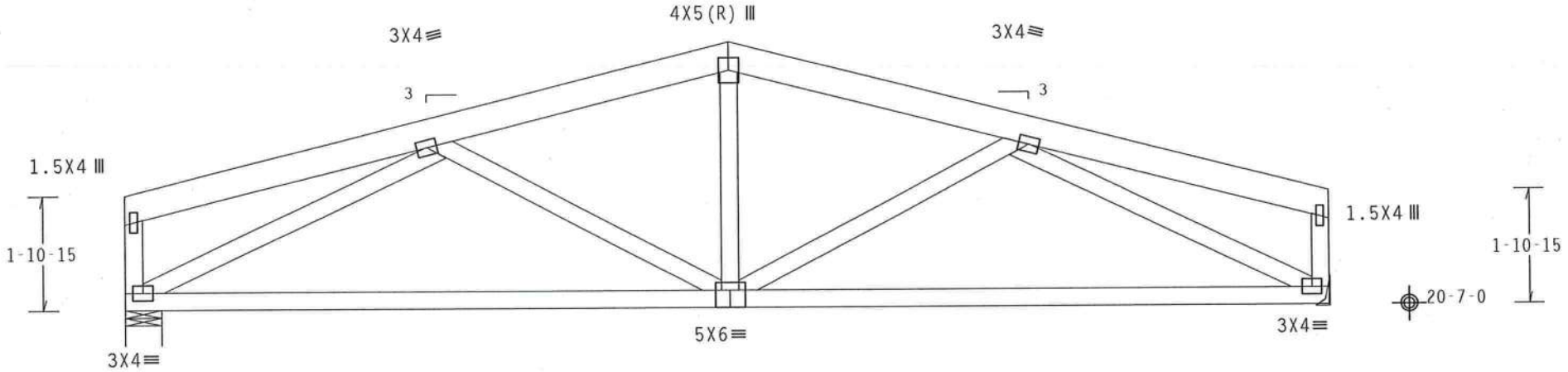
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=607 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0[illegible] QTY:3 FL/-/3/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

No. [illegible] '05

TC LL	20.0 PSF	REF R487-- 35553
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313154
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161172
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H68MH)

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

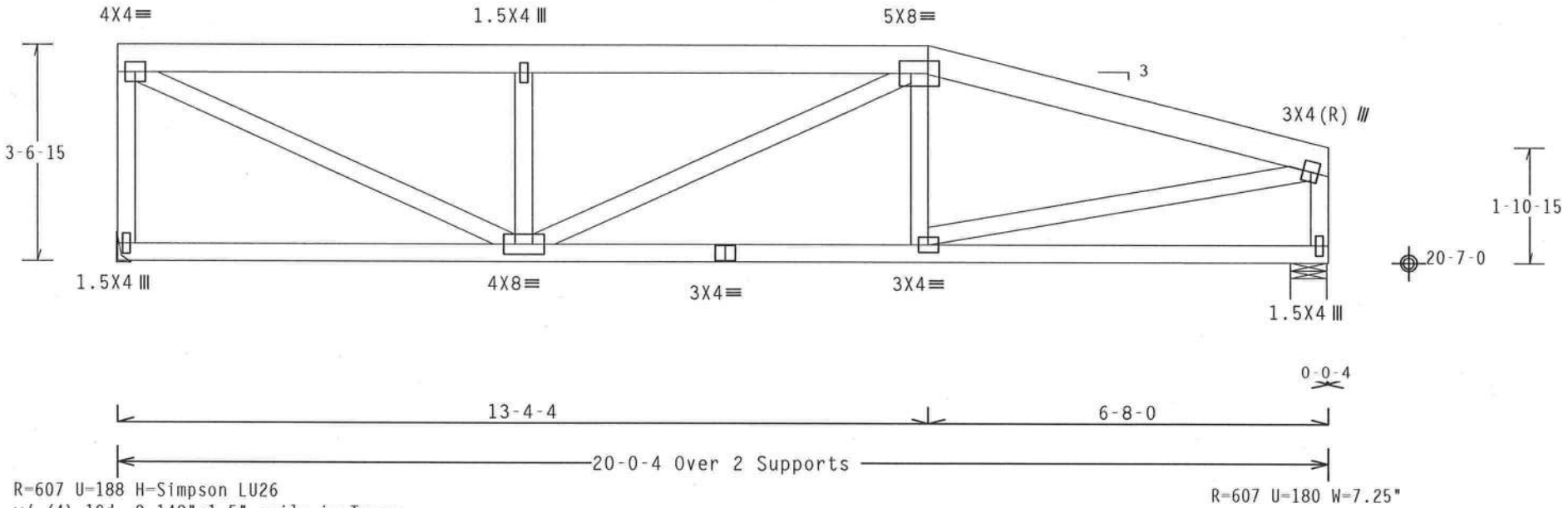
Left end vertical not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=607 U=188 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=607 U=180 W=7.25"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

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

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 0[illegible] '05

TC LL	20.0 PSF	REF	R487-- 35554
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313155
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161189
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H81)

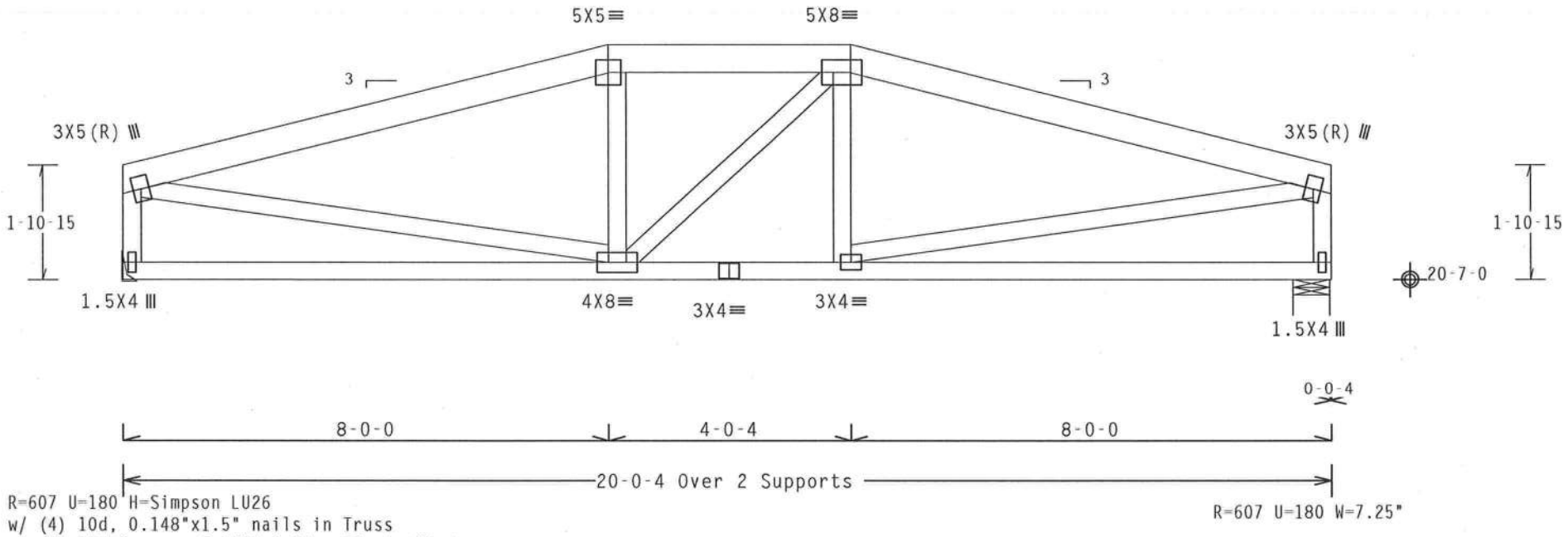
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.49 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=607 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=607 U=180 W=7.25"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.0 QTY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35555
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313156
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	45.0 PSF	SEQN-	161324
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

(5-344-ISAAC CONST/HUBER - ROOF - H941)

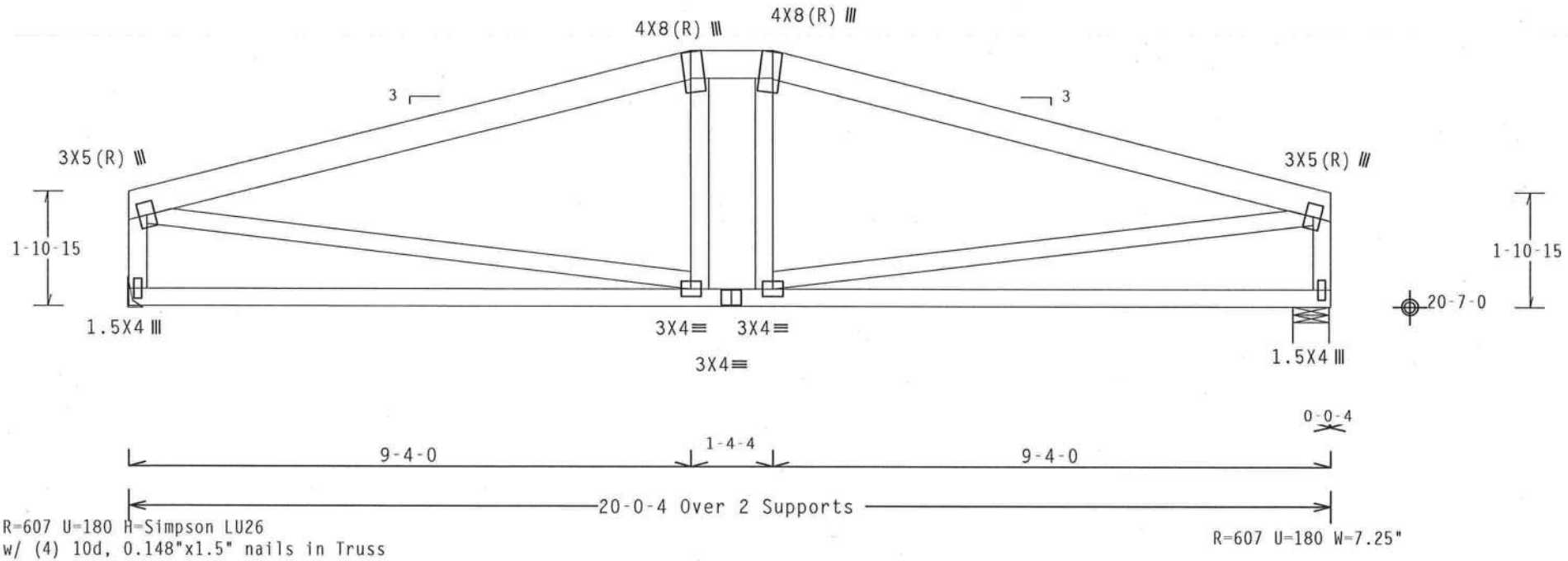
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 23.66 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Trusses to be spaced at 16.0" OC maximum.

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



R=607 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=607 U=180 W=7.25"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.00 TY:2 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF	R487-- 35556
TC DL	15.0 PSF	DATE	11/09/05
BC DL	10.0 PSF	DRW	HCUSR487 05313157
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN-	161328
DUR.FAC.	1.25		
SPACING	16.0"	JREF-	1SS0487_Z01

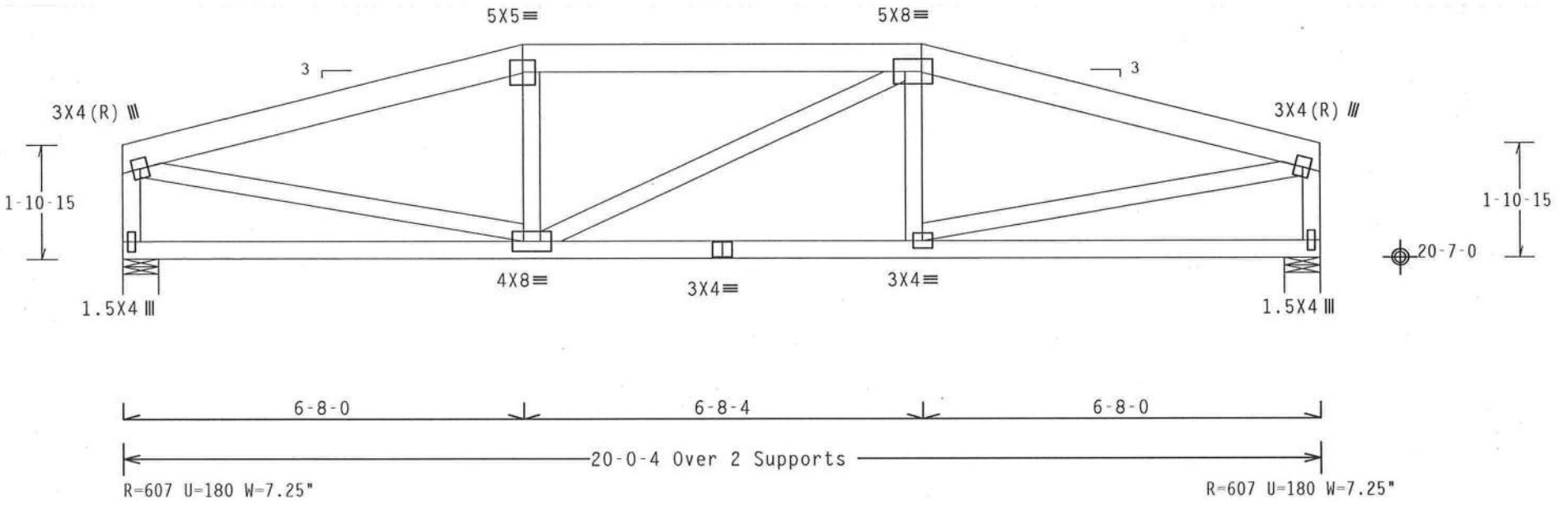
(5-344-ISAAC CONST/HUBER - ROOF - HUBT)

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

Trusses to be spaced at 16.0" OC maximum.

110 mph wind, 23.33 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.04.0 [illegible] QTY:1 FL/-/3/-/-/R/- Scale =.375"/Ft.

ALPINE

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

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF [illegible] PROFESSIONAL ENGINEER
Nov 09 '05

TC LL	20.0 PSF	REF R487-- 35557
TC DL	15.0 PSF	DATE 11/09/05
BC DL	10.0 PSF	DRW HCUSR487 05313158
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	45.0 PSF	SEQN- 161350
DUR.FAC.	1.25	
SPACING	16.0"	JREF- 1SS0487_Z01

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

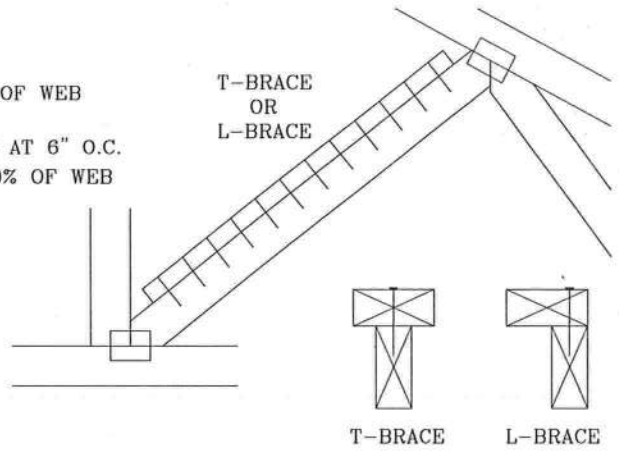
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

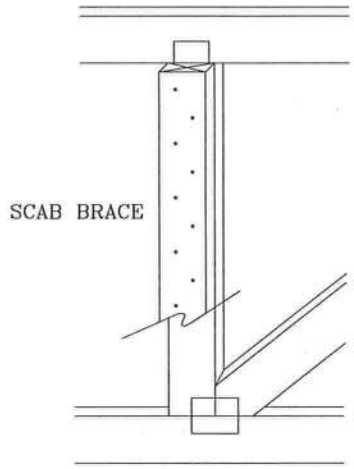


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

Nov 09 '03

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/26/03
BC DL	PSF	DRWG BRCLBSUB1103
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

ASCE 7-98: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

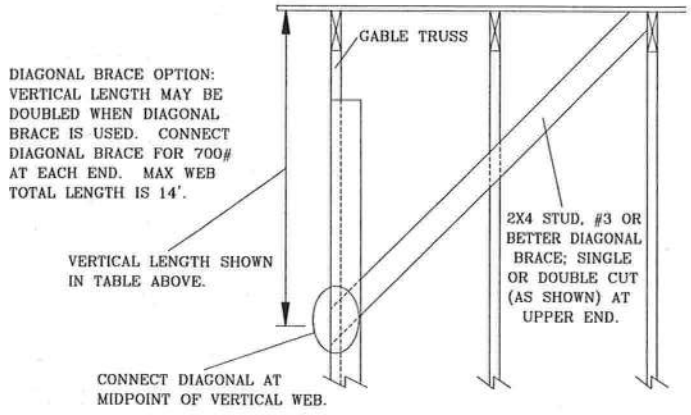
SOUTHERN PINE
#3
STUD
STANDARD

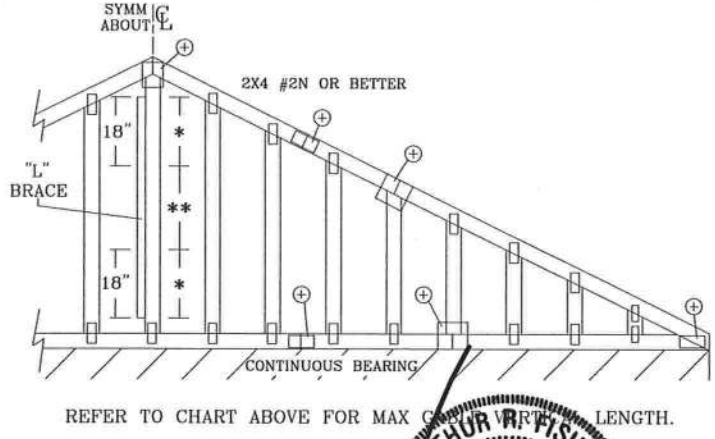
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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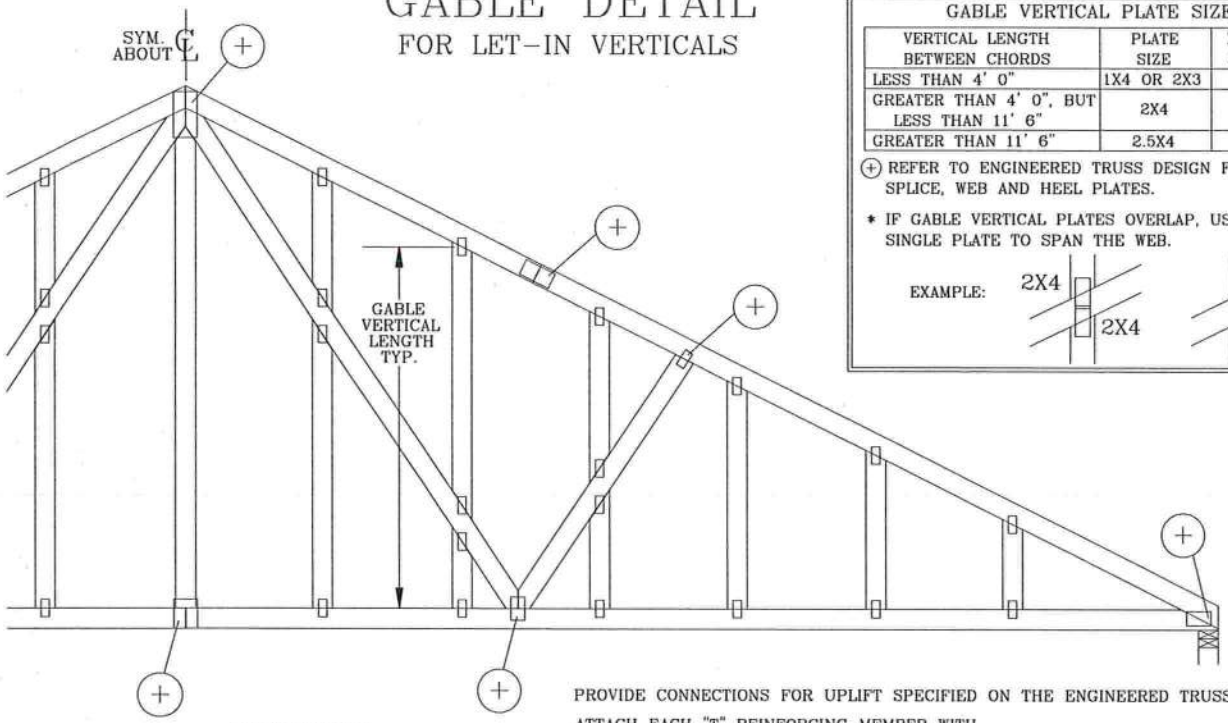
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 0[illegible]

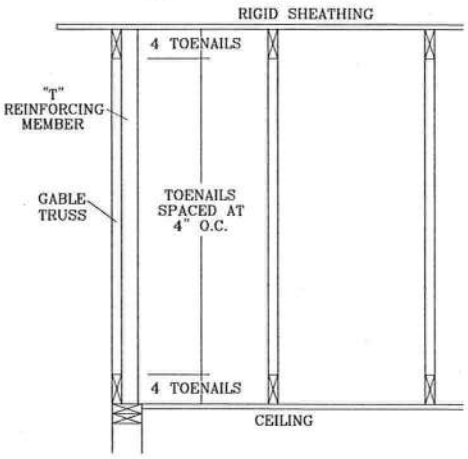
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11030
DATE	11/26/03
DRWG	A11030EC1103
-ENG	

GABLE DETAIL
FOR LET–IN VERTICALS



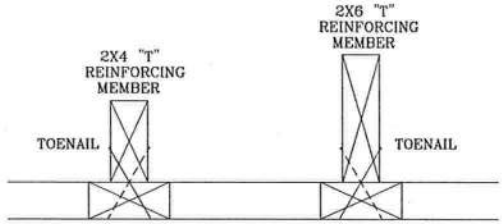


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE: 2X4 / 2X4 — 2X8



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

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

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7–93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7–98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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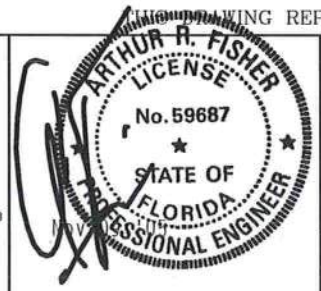


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET–IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
–ENG	DLJ/KAR

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

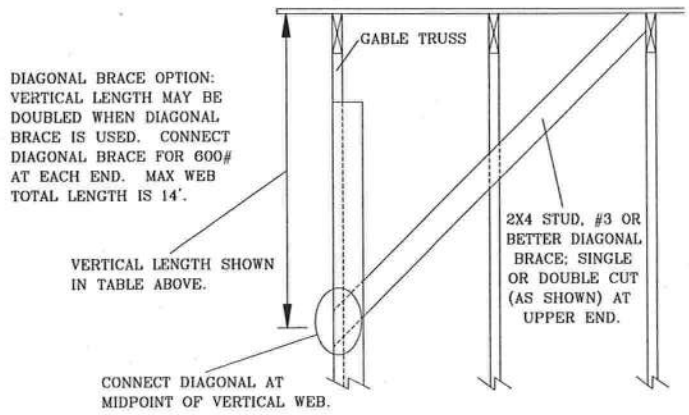
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

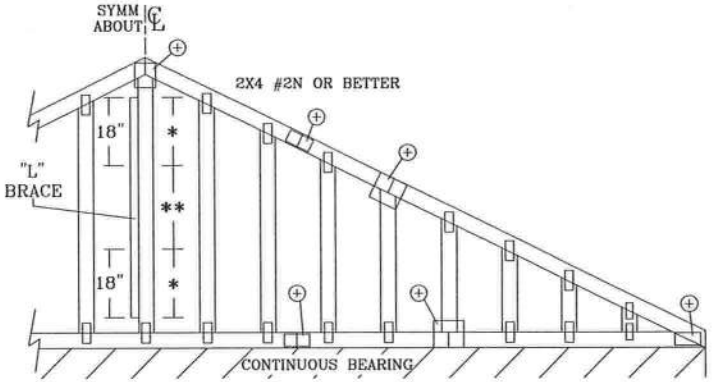
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

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

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

Nov

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

Abram Huber

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 051071 Date Received 10.26.05 By G Permit # 890 (23867)

Application Approved by - Zoning Official BLK Date 26.10.05 Plans Examiner OK JTH Date 11-16-05

Flood Zone X Development Permit N/A Zoning A3 Land Use Plan Map Category A-3

Comments Section 14.9 Special Family LL Permit (CH# 1629)

Applicants Name Linda or Melanie Roder Phone 752-2281

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

Owners Name Abram and Angela Huber Phone 755-1102 867-1463

911 Address 225 S.W. Finley Little Lane Lake City FL 32024

Contractors Name Isaac Bratkovich of Isaac Construction Phone 719-7143

Address 1005 S.W. Walter Ave Lake City FL 32024

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Kevin Gray / 904-384-3265

Mortgage Lenders Name & Address Country wide Mortgage

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

Property ID Number 01-55-16-03387-012 Estimated Cost of Construction 220,000

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions 47 S. L on Little Road (Southwood & Acres Entrance) L on S.W. Finley Little. 3rd Lot down on L

Porch 1264 Garage 761 Total 6825

Type of Construction SFD family lot Number of Existing Dwellings on Property 0

Total Acreage 2.05 Lot Size _____ Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 45' Side 38.75' Side 38.75' Rear 460.5

Total Building Height 21' Number of Stories 2 Heated Floor Area 4800 Roof Pitch 3-12

Porches 1264 Garage 761 Total 6,825

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)

X Isaac Bratkovich

Contractor Signature

Contractors License Number CBC 059323

Competency Card Number _____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

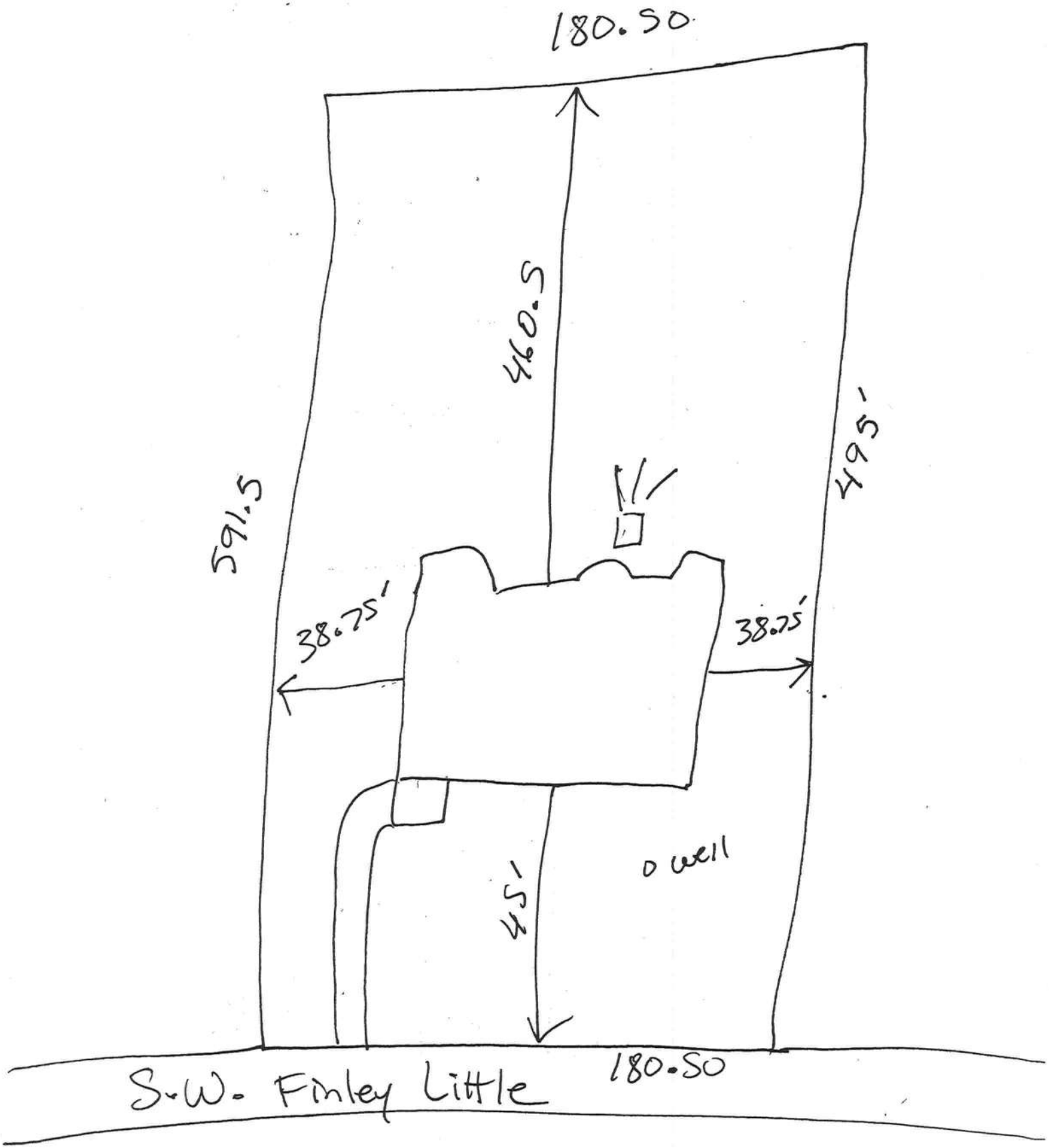
Sworn to (or affirmed) and subscribed before me this 30 day of Sept 2005.

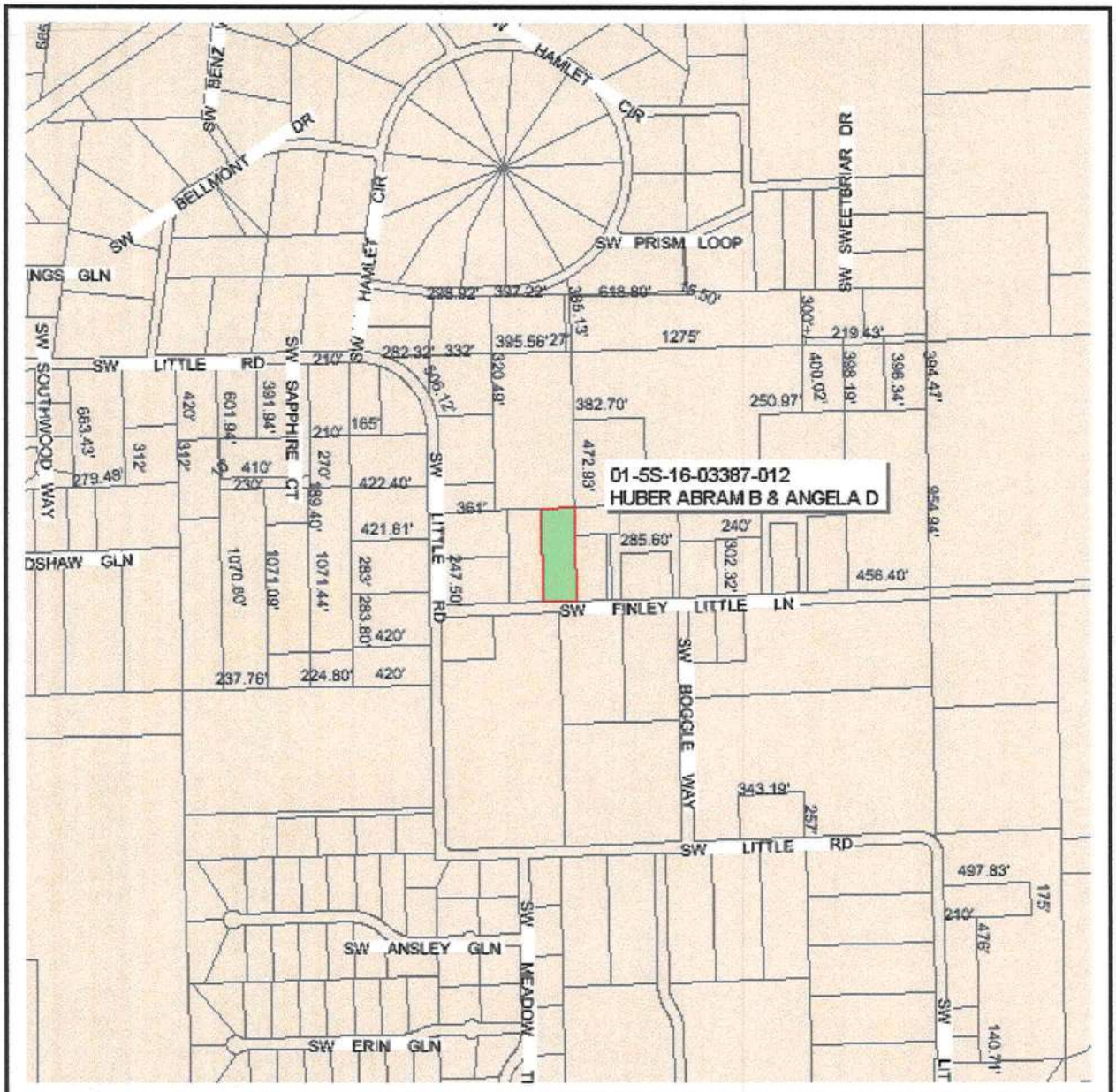
Personally known X or Produced Identification ____

Barbara C. Webster

Notary Signature

Site Plan Abram Huber





Columbia County Property Appraiser

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

PARCEL: 01-5S-16-03387-012 - NO AG ACRE (009900)

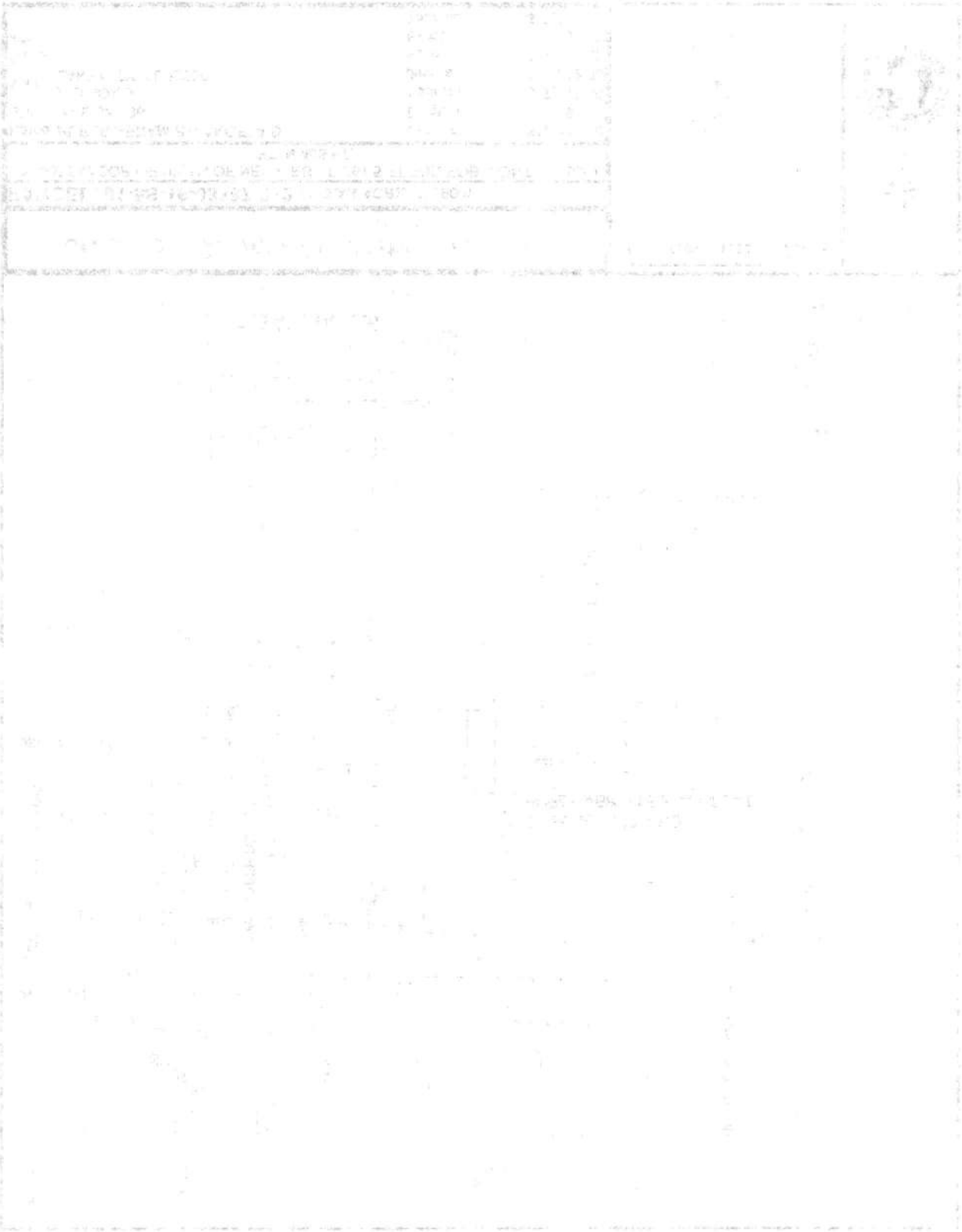
COMM SW COR OF NW1/4 OF NE1/4, RUN E 591.5 FT FOR POB, CONT E 180.50 FT, N 495 FT,

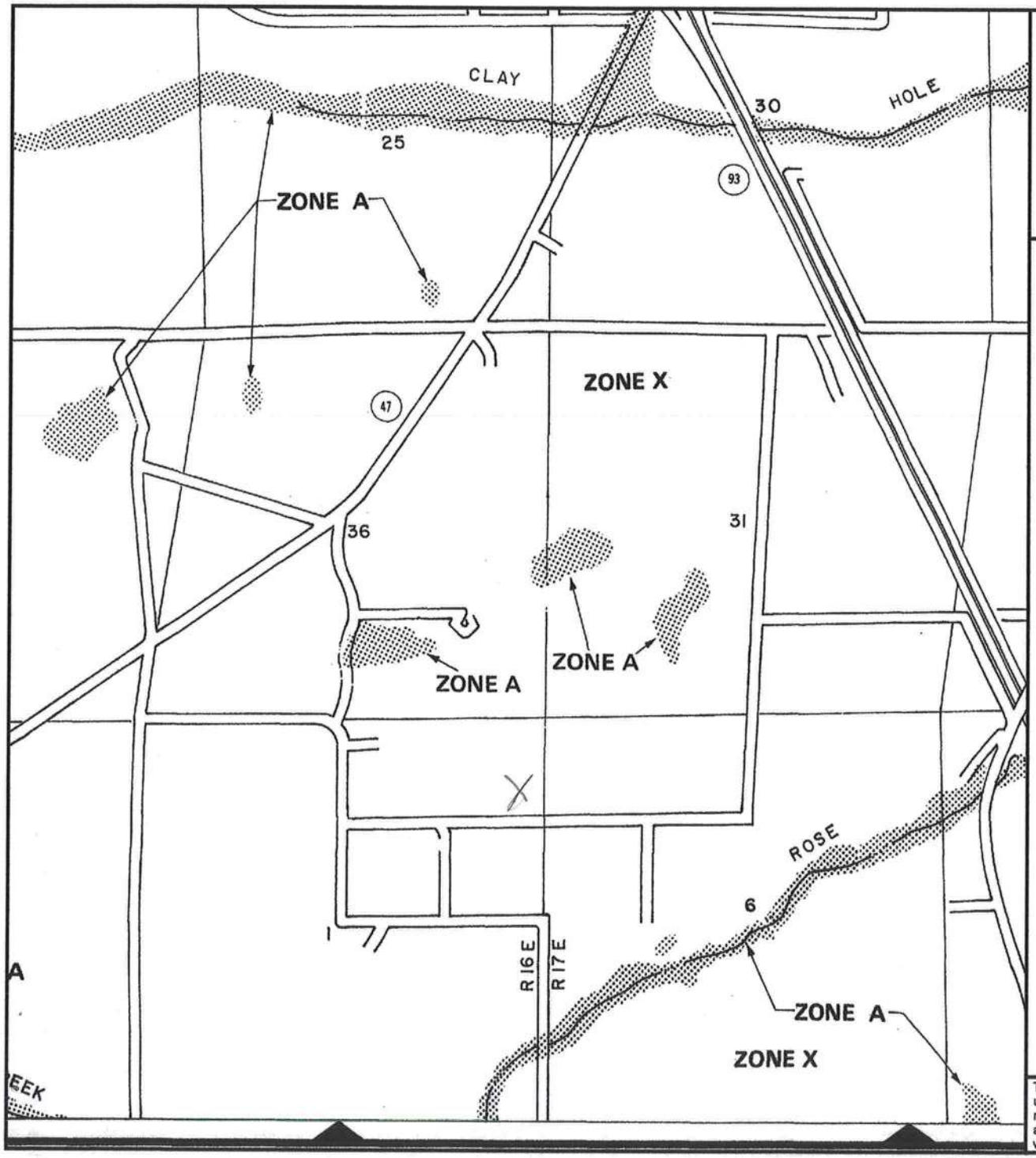
Name:	HUBER ABRAM B & ANGELA D	LandVal	$17,712.00
Site:	RT 9 BX 796	BldgVal	$0.00
Mail:	P O BOX 932 LAKE CITY, FL 32056	ApprVal	$17,712.00
		JustVal	$17,712.00
Sales Info		Assd	$17,712.00
		Exmpt	$0.00
		Taxable	$17,712.00

0 0.06 0.12 0.18 mi

N W E S

This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.





N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

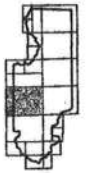
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



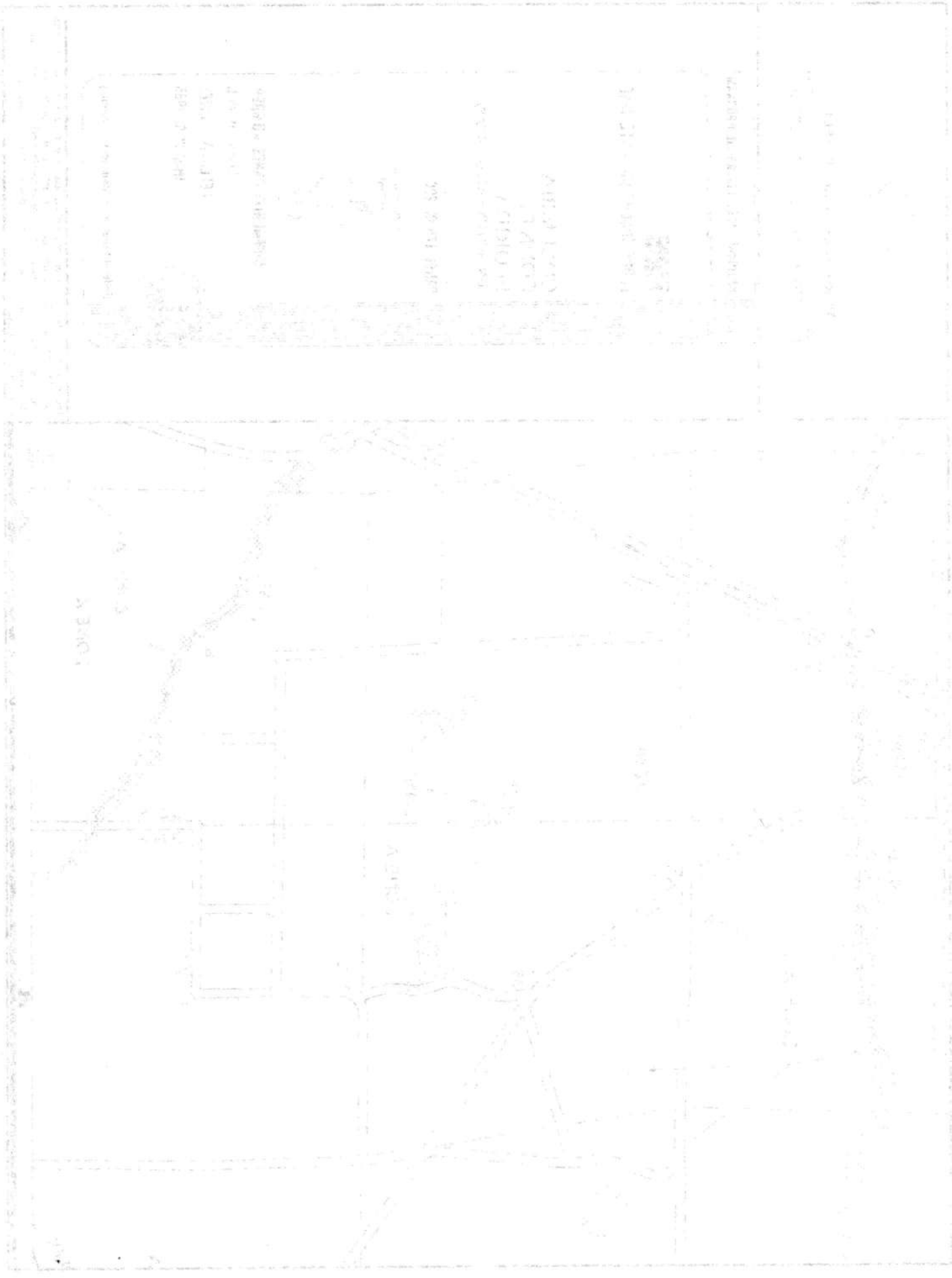
COMMUNITY-PANEL NUMBER
120070 0175 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Futher information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mit/tsd.

Print Date: 10/26/2005 (printed at scale and type A)



Huber

COLUMBIA COUNTY, FLORIDA
LAND DEVELOPMENT REGULATION ADMINISTRATOR
SPECIAL FAMILY LOT PERMIT APPLICATION

A special family lot permit may be issued by the Land Development Regulation Administrator on land zoned Agricultural or Environmentally Sensitive Area within these land development regulations, for the purpose of conveying a lot or parcel to an individual who is the parent, grandparent, sibling, child or adopted child or grandchild of the person who conveyed the parcel to said individual, not to exceed two (2) dwelling units per one (1) acre and the lot complies with all other conditions from permitting development as set forth in these land development regulations. This provision is intended to promote the perpetuation of the family homestead in rural areas by making it possible for family members to reside on lots, which exceed maximum density for such areas, provided that the lot complies with the following conditions for permitting:

1. The division of lots shall be by recorded separate deed and meet all other applicable land development regulations; and
2. The lot split or subdivision is for the establishment of a homestead of that relative and the lot so conveyed is at least one-half (1/2) acre in size and the remaining lot is at least one-half (1/2) acre in size; and
3. The family lot permit shall only be issued once for each relative of the parent tract owner. However, for purposes of this provision, if a lot is permitted under this provision to a daughter, for example, and was to be returned to the ownership of the owner of the parent tract, then the original use of this provision to provide the lot to the daughter shall not be counted as one of the one permitted per relative.
4. The lot complies with all other conditions for permitting and development as set forth in these land development regulations.

---

1. Name of Recipient Relative (Applicant)
   Address P.O. Box 932 City Lake City Fl Zip Code 32056
   Phone (386) 758-6762
2. Name of Title Holder(s) Abram B. Huber and Angela D. Huber
   Address P.O. Box 932 City Lake City FL Zip Code 32056
   Phone (386) 758-6762
3. Recipient's Relationship to Title Holder Same
4. Size of Property 2.05 acres
5. Tax Parcel ID# 01-55-16-03387-012 (Attach a Copy of the Deed)

No permit will be issued unless the deed is properly recorded in the Clerk of the Courts Office.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Applicants Name (Print or Type) Abram B. Huber and Angela D. Huber

X _____ Date 9/31/05

X Applicant Signature Angela D Huber Date 10/02/05

OFFICIAL USE

Current Land Use Classification _____ Current Zoning District _____

_____ Approved _____ Denial = Reason _____

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

Inst 2002016051 Date:08/13/2002 Time:12:55:01
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:960 P:256

WARRANTY DEED

THIS INDENTURE, made this 21st day of June, 2002, BETWEEN CHARLES S. SPARKS and SANDRA L. SPARKS, Husband and Wife, of the County of Columbia, State of Florida, Grantor*, and ABRAM B. HUBER and ANGELA D. HUBER, Husband and Wife, whose post office address is Post Office Box 932, Lake City, FL 32056, of the County of Columbia, State of Florida, grantee*.

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

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

N.B.: The grantee, Angela D. Huber is the daughter of the grantors.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:200201605l Date:08/13/20(Time:12:55:01
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:960 P:258

EXHIBIT "A"

TOWNSHIP 5 SOUTH - RANGE 16 EAST

SECTION 1:

PARCEL A:

Commence at the Southwest corner of the NW 1/4 of the NE 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run N 89 deg. 29' E along the South line of said NW 1/4 of NE 1/4, 332 feet for a Point of Beginning, and run thence North parallel to the West line of said NW 1/4 of NE 1/4, 495 feet, thence N 89 deg. 29' E, 440 feet, thence South 495 feet, thence S 89 deg. 29' W, 440 feet to the Point of Beginning

PARCEL B:

Commence at the Southwest corner of the NW 1/4 of the NE 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run N 89 deg. 29' E along the South line of said NW 1/4 of the NE 1/4, a distance of 50 feet for a Point of Beginning; run thence North along the East boundary of graded county road a distance of 539 feet; thence N 89 deg. 29' E a distance of 282 feet; thence South parallel to the West boundary of said NW 1/4 of NE 1/4, a distance of 539 feet to the South boundary of said NW 1/4 of NE 1/4; thence S 89 deg. 29' W, a distance of 282 feet to the Point of Beginning.

LESS AND EXCEPT:

Commence at the Southwest corner of the NW 1/4 of NE 1/4 in Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run thence N 89 deg. 29' E along the South line of said NW 1/4 of NE 1/4, 332 feet; run thence North parallel to the West line of said NW 1/4 of NE 1/4, 539 feet for a Point of Beginning; run thence S 89 deg. 29' W, 282 feet; run thence South parallel to said West line of said NW 1/1 of NE 1/4 along the East right-of-way line of a county road sometimes known as Little Road a distance of 44 feet; run thence N 89 deg. 29' E, 282 feet; run thence North parallel to the West line of said NW 1/4 of NE 1/4, 44 feet to the Point of Beginning.

Inst:200201605l Date:06/13/2... ...me:12:55:01
Doc Stamp-Deed : 0.70
MCK DC,P.DeWitt Cason,Columbia County B:960 P:257

Signed, sealed and delivered
in our presence:

Lisa Hicks
(Signature of First Witness)
Lisa Hicks
(Typed Name of First Witness)

Mary Lyons
(Signature of Second Witness)
MARY LYONS
(Typed Name of Second Witness)

Charles S. Sparks (SEAL)
Grantor
CHARLES S. SPARKS
Printed Name

Sandra L Sparks (SEAL)
Grantor
SANDRA L. SPARKS

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 21 day of June, 2002, by CHARLES S. SPARKS and SANDRA L. SPARKS, Husband and Wife who is personally known to me or who have produced _____ _____ as identification and who did not take an oath.

My Commission Expires: 6-23-02

Lisa Lisa Hicks
Notary Public
Printed, typed, or stamped name:

LISA LISA HICKS
MY COMMISSION # CC 76478
EXPIRES August 23, 2002
Bonded Thru Notary Public Underwriters

ATS# 15092

Inst:2005020103 Date:08/18/2005 Time:14:37
DC,P.DeWitt Cason,Columbia County B:1055 P:1595

This instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
382 SW Baya Drive
Lake City, Florida 32025

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN: The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713.13, Florida Statutes, the following is provided in this Notice of Commencement:

1. Construction of a single family dwelling.

2. The name and address of the undersigned owner is: **Abram Huber, and his wife, Angela Huber**, and the interest of the undersigned owner in the property is: FEE SIMPLE
3. Legal Description: See Exhibit "A" attached hereto and by this reference made a part hereof.

The name and address of the contractor is: **Isaac Construction, Inc., 144 SW Waterford Court, Suite 101, Lake City, Florida 32025**

4. LENDER: **Countrywide Home Loans, 6400 Legacy Drive, Plano, Texas 75024**
5. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)a.7., Florida Statutes: NONE

6. In addition to himself, Owner designates , to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b) Florida Statutes.

7. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

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

Signed, sealed and delivered in the presence:

Megan Marable
Witness Megan Marable

Traci Landry
Witness TRACI LANDRY

Abram Huber

Angela D. Huber

STATE OF Florida
COUNTY OF Columbia

Before me, personally appeared **Abram Huber, and his wife, Angela Huber**, known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this **9th day of August, 2005.**

(SEAL)

MEGAN M MARABLE
MY COMMISSION # DD412855
EXPIRES: Mar. 30, 2009
Florida Notary Service.com
(407) 398-0153

Megan M. Marable
NOTARY PUBLIC

My Commission Expires:

ATS #15092

Exhibit "A"

Parcel A
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, 332 feet for a Point of Beginning, and run thence North parallel to the West line of said NW ¼ of the NE ¼, 495 feet, thence N 89°29' E, 440 feet; thence S 495 feet; thence S 89°29' W, 440 feet to the Point of Beginning.

Parcel B
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, a distance of 50 feet for a Point of Beginning; run thence North along the East boundary of graded county road a distance of 539 feet; thence N 89°29' E a distance of 282 feet; thence South parallel to the West boundary of said NW ¼ of the NE ¼, a distance of 539 feet to the South boundary of said NW ¼ of the NE ¼; thence S 89°29' W, a distance of 282 feet to the Point of Beginning.

LESS AND EXCEPT
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, 332 feet; run thence North parallel to the West line of said NW ¼ of the NE ¼, 539 feet for a Point of Beginning; run thence S 89°29' W, 282 feet; run thence South parallel to said West line of said NW ¼ of the NE ¼ along the East right-of-way line of a county road, sometimes known as Little Road, a distance of 44 feet; run thence N 89°29' E, 282 feet; run thence North parallel to the West line of said NW ¼ of the NE ¼, 44 feet to the Point of Beginning.

LESS AND EXCEPT
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, 50.00 feet to the Point of Beginning; thence continue N 89°29' E along said South line, 361.00 feet; thence due North 247.50 feet; thence S 89°29' W, 361.00 feet; thence due South, 247.50 feet to the Point of Beginning.

LESS AND EXCEPT
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, 411.00 feet to the Point of Beginning; thence continue N 89°29' E along said South line, 180.50 feet; thence due North, 495.00 feet; thence S 89°29' W, 180.50 feet; thence due South, 495.00 feet to the Point of Beginning.

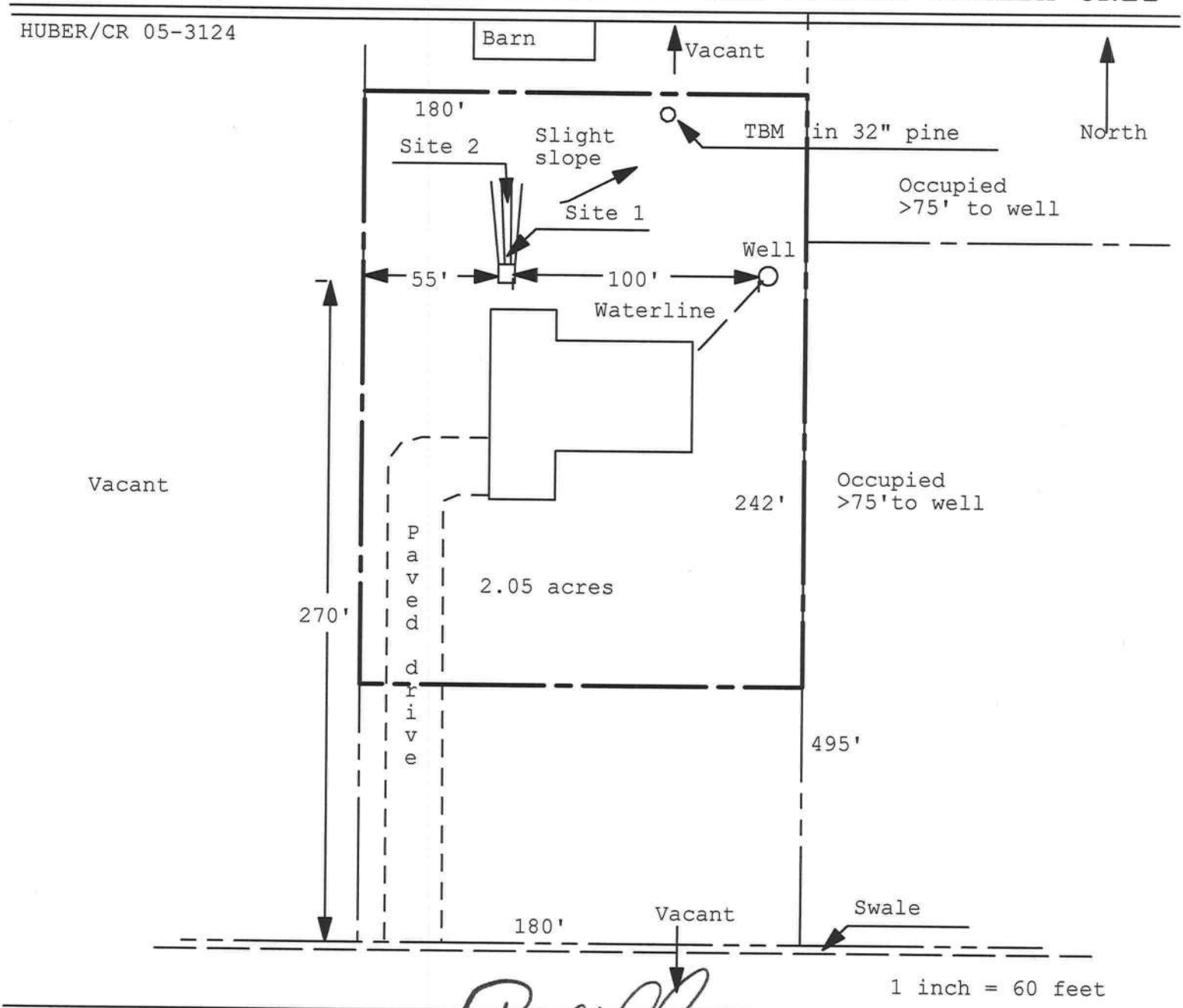
LESS AND EXCEPT
Commence at the Southwest corner of the NW ¼ of the NE ¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence N 89°29' E along the South line of said NW ¼ of NE ¼, 50.00 feet; thence run due North 247.50 feet to the Point of Beginning; thence continue due North, 247.50 feet; thence N 89°29' E, 361.00 feet; thence due South 247.50 feet; thence S 89°29' W, 361.00 feet to the Point of Beginning.

Inst:2005020103 Date:08/18/2005 Time:14:37
DC,P.DeWitt Cason,Columbia County B:1055 P:1596

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

Permit Application Number: 05-1036N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd **Date** 10/3/05

Plan Approved ✓ **Not Approved** ____ **Date** 10/14/05

By [signature] Columbia **CPHU**

Notes: ____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1654
FAX (904) 755-7022
[redacted]
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

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 D. Hall
DDH/jk

Huber

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600B-01 — **Residential Component Prescriptive Method B** — **NORTH 1 2 3**

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME AND ADDRESS:		**BUILDER:** Isaac Coust	
		PERMITTING OFFICE: Calhoun Co.	**CLIMATE ZONE:** 1 ☐ 2 ☐ 3 ☑ 4
OWNER: ANGELA & ABRAM HUBER		**PERMIT NO.:** 2367	**JURISDICTION NO.:** 22/0000

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" fromTable 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-F)	1. A	
2. New construction or addition	2. New	
3. Single family detached or Multifamily attached	3. Sgl fam.	
4. If Multifamily—No. of units covered by this submission	4.	
5. Is this a worst case? (yes / no)	5. No	
6. Conditioned floor area (sq. ft.)	6. 480	
7. Predominant eave overhang (ft.)	7. 2'	
8. Glass type and area :	Single Pane / Double Pane	
a. Clear glass	8a. _____ sq. ft. / 120 sq. ft.	
b. Tint, film or solar screen	8b. _____ sq. ft. / _____ sq. ft.	
9. Percentage of glass to floor area	9. 15 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab on grade (R-value)	10a. R= 0 _____ lin. ft.	
b. Wood, raised (R-value)	10b. R= _____ _____ sq. ft.	
c. Wood, common (R-value)	10c. R= _____ _____ sq. ft.	
d. Concrete, raised (R-value)	10d. R= _____ _____ sq. ft.	
e. Concrete, common (R-value)	10e. R= _____ _____ sq. ft.	
11. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R= 13 328 sq. ft.	
2. Wood frame (Insulation R-value)	11a-2 R= _____ _____ sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	11b-1 R= _____ _____ sq. ft.	
2. Wood frame (Insulation R-value)	11b-2 R= _____ _____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	12a. R= 30 359 / sq. ft.	
b. Single assembly (Insulation R-value)	12b. R= _____ _____ sq. ft.	
13. Air Distribution System: Duct insulation, location	13. R= 6 _____	
Test report (attach if required)		
14. Cooling system	14a. Type: Central	
(Types: central, room unit, package terminal A.C., gas, none)	14b. SEER/EER: 13.0	
	14c. Capacity: 3.5 tons	
15. Heating system:	15a. Type: Heat Pump	
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)	15b. HSPF/COP/AFUE:	
	15c. Capacity: 60 K	
16. Hot water system:	16a. Type: Elect.	
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)	16b. EF: .88	

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

PREPARED BY: _____ **DATE:** 11-10-04

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

OWNER AGENT: _____ **DATE** _____

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

BUILDING OFFICIAL: _____

DATE: _____

OCT 24 2005

** LAMAR BOOZER **
900 EAST PUTNAM STREET
LAKE CITY, FL 32055

PROJECT:
CLIENT:
DATE: HUBER RES
10 22 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: HUBER RES
ADDRESS:
CITY, STATE: LAKE CITY, FLORIDA 32055

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = TOTAL GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	294	9,589	0	18,808	18,808
9-I FRENCH DOOR DBL CLR GLS METL FR	84	2,851	0	6,148	6,148
12-E WALL R-11 +1/2"EXTPOLY BD(R-2.5)	2,409	8,131	0	4,808	4,808
11-C DOOR METAL POLYSTYRENE CORE	57	1,206	0	713	713
16-G CEILING R-30 INSULATION	3,591	4,662	0	4,868	4,868
22-A SLAB ON GRADE NO EDGE INSUL	289	10,535	0	0	0
SUBTOTALS FOR STRUCTURE:	6,724	36,974	0	35,345	35,345
PEOPLE	28	0	0	8,400	8,400
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,849	0	4,525	4,525
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				49,770	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		38,823	1,800	49,770	51,570

SUPPLY CFM AT 20 DEG DT: 2,262
SQUARE FT. OF ROOM AREA: 3,591

CFM PER SQUARE FOOT: 0.721
SQUARE FOOT PER TON: 730.425

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 38.823 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 6.298 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

OCT 24 2005

** LAMAR BOOZER **
900 EAST PUTNAM STREET
LAKE CITY, FL 32055

PROJECT:
CLIENT: HUBER RES UP STAIRES
DATE: 10 22 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: HUBER RES UP STAIRES
ADDRESS:
CITY, STATE: LAKE CITY.FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	126	4,111	0	8,387	8,387
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,186	4,268	0	2,334	2,334
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462
16-G CEILING R-30 INSULATION	1,246	1,850	0	1,850	1,850
22-A SLAB ON GRADE NO EDGE INSUL	155	5,649	0	0	0
SUBTOTALS FOR STRUCTURE:	2,753	16,724	0	13,033	13,033
PEOPLE	19	0	0	5,700	5,700
APPLIANCES	0	0	1,500	1,800	3,300
DUCTWORK	0	837	0	2,054	2,054
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				22,587	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		17,561	1,500	22,587	24,087

SUPPLY CFM AT 20 DEG DT: 1,027
SQUARE FT. OF ROOM AREA: 1,246

CFM PER SQUARE FOOT: 0.824
SQUARE FOOT PER TON: 620.750

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 17.561 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.007 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000890

DATE 11/17/2005 PARCEL ID # 01-5S-16-03387-012

APPLICANT MELANIE RODER PHONE 752.2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER ABRAM & ANGELA HUBER PHONE 755.1102

ADDRESS 225 SW FINLEY LITTLE LN LAKE CITY FL 32024

CONTRACTOR ISAAC BRATKOVICH PHONE 719.714

LOCATION OF PROPERTY 47-S TO LITTLE RD(ENTRANCE OF SOUTHWOOD ACRES),TL ON FINLEY LITTLE AND IT'S THE 3RD LOT DOWN ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

SIGNATURE Melanie Roder

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

#23867

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

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

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

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

Section 1: General Information (Treating Company Information)

* 23867

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Issac Tant Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 225 SW Finley Hills

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

Section 4: Treatment Information

Date(s) of Treatment(s) 12-14-05
Brand Name of Product(s) Used Prebuild 1 T
EPA Registration No. 100-1066
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 4300 Linear ft. 374 Linear ft. of Masonry Voids 374
Approximate Total Gallons of Solution Applied 947
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

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

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

Authorized Signature _____ Date _____

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

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory, and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.8 3(a)(1) requires that the sales for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Building inspectors, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

Section 1: General Information (Treating Company Information)

Company Name: _____

Company Address: _____ City _____ State _____ Zip _____

Company Business License No. _____ Company Phone No. _____

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: _____ Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) _____

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other _____

Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) _____

Brand Name of Product(s) Used _____

EPA Registration No. _____

Approximate Final Mix Solution % _____

Approximate Size of Treatment Area: Sq. ft. _____ Linear ft. _____ Linear ft. of Masonry Voids _____

Approximate Total Gallons of Solution Applied _____

Was treatment completed on schedule? ☐ Yes ☐ No

Service Agreement Available? ☐ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) _____ Certification No. (if required by State law) _____

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

Authorized Signature _____ Date _____

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

Form HPCA-99-B may still be used

form HUD-HPCA-99-B (04/2003)

FEAGLE & FEAGLE, ATTORNEYS, P.A.
ATTORNEYS AT LAW
153 NE MADISON STREET
POST OFFICE BOX 1653
LAKE CITY, FLORIDA 32056-1653
(386) 752-7191
Fax: (386) 758-0950

Marlin M. Feagle
e-mail: leagle@bellsouth.net

Mark E. Feagle
e-mail: mefeagle@bellsouth.net

June 14, 2006

HAND DELIVERED

Mr. John Kerce
Planning and Zoning Department
County Administrative Offices
135 NE Hernando Avenue
Lake City, Florida 32055

Re: Abram B. Huber

Dear John:

This will confirm our telephone conference of June 14, 2006 regarding the custom built window issue for Mr. Huber's residence here in Columbia County.

As stated in previous correspondence to Mr. Huber, Florida Statute 553.842(10) provides products which are custom fabricated or assembled shall not require separate approval under the section provided the component parts have been approved for the fabricated or assembled products used and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use. Section R613.3.1 provides that exterior windows shall be tested by an approved independent testing laboratory, etc. The determination of load resistance of glass for specified loads of products tested and certified in accordance with this section shall be designed to comply with ASTM E 1300. Section R613.4.2 provides for and allows exterior door assemblies (presumably including those containing glass) may be engineered in accordance with accepted engineering practices in lieu of testing by an approved testing laboratory.

Mr. Huber has obtained an engineering analysis and certification from Mark Disosway, P.E., as evidenced in his letter to Columbia County dated May 30, 2006. Engineer Disosway has given the opinion that in accordance with accepted engineering practices both the windows and the doors used in Mr. Huber's house meet the requirements of the 2004 Florida Building Code. I further discussed this with Mr. Disosway on June 14, 2006 at which time Mr. Disosway explained his letter and report. Attached to the Disosway report of May 30, 1006 is the ASTM E 1300 calculation for the largest window pane. This calculation shows the 110 MPH wind load pressure requirement as 30.0 per square feet (PSF). The calculated load resistance for the Huber

window panes is 43.8 PSF. Thus, the Huber window panes are 13.8 PSF greater than that required by the Florida Building Code according to Mr. Disosway's calculations. Mr. Disosway's letter of opinion further specifically states the window glass meets the 2004 Florida Building Code structural requirements. He did caution that our building inspector should make sure the installation is in compliance with Section 3CV of his letter. This section requires that the builder attach window jambs to wall studs with #8 by 3-inch wood screws at 12-inch OC maximum.

It appears the engineer's analysis letter and opinion meets the intent of Section 613 of the Florida Building Code regarding exterior windows. However, as an additional precaution of the county, I would suggest that the owner and contractor sign the enclosed indemnity and hold harmless agreement for the county. If you have any additional questions, please do not hesitate to give me a call.

Very truly yours,

Marlin M. Feagle

MMF:dse

Enclosure

RELEASE AND HOLD HARMLESS AGREEMENT

The undersigned, **ABRAM B. HUBER**, ("Owner"), and ISAAC CONSTRUCTION, ("Contractor"), each as to themselves, their heirs, successors and assigns, having been advised of the requirements of Section R613 of the Florida Building Code regarding exterior windows and door assemblies, and in consideration of the Columbia County Building Department approving the manufactured or custom-built doors and windows for the Owner's residence located in Columbia County, Florida, do hereby release and agree to defend, reimburse, and hold harmless Columbia County, Florida, ("County"), regarding any claims, losses or damages against County as a result of the Owner's residence not being constructed in full compliance with the provisions of the Florida Building Code; specifically as to Section R613 thereof. The undersigned represents and warrants that the residence has been and will be constructed in accordance with the Florida Building Code and other applicable rules and regulations.

DATED this 15TH day of June, 2006.

ABRAM B. HUBER

ABRAM HUBER

Print Name: _____

"OWNER"

Print Name: ISAAC BRATKOVICH

"CONTRACTOR"

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

May 30, 2006

Building and Zoning, Columbia County, Florida

Re: Columbia County Building Permit # 23867
One Time Product Approval for Custom Teak Windows and Doors
Abram and Angela Huber Residence, 01-5S-16-03387-012 Columbia County, Florida

Dear Building Inspector:

Abram and Angela Huber are requesting one time local product approval for use of custom teak windows and doors for their new residence here in Columbia County. The owner's objective of using these custom products is to provide a more stable, rot and insect proof window and door to withstand the rigorous weather and tropical conditions here in Florida, and the desired aesthetic of which windows and doors are largely a part of in the house design.

1) Code basis for one time product approval of custom windows and doors.

   a) Florida Statute 553.842(10) states: "Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use." The windows and doors are custom fabricated of two basic materials, glass and teak wood. This letter will demonstrate that the glass and teak for the windows and doors used in this house meet the requirements of FBC2004.

   b) FBC2004, R613.4.2 Custom doors states: "Custom (one of a kind) exterior door assemblies shall be tested by an approved testing laboratory or be engineered in accordance with accepted engineering practices." This letter will demonstrate with accepted engineering practices that the windows and doors used in this house meet the requirements of FBC2004. We are asking the building department to accept approval of the custom windows also even though the code language is for doors.

2) Window assembly description

   a) Continuous flashing / bracket / flange 0.032 Aluminum attached to teak frame using 5/8" length ¼" crown galv. staples fastened through polyurethane flashing glue into teak wood. This bracket extends 4" onto wall, and is fastened to wall every 12" using 1.75" #8 pan head wood screws.

   b) Glass panels are double insulated low-e glass panels, each 1/8" thickness, with a ¼" spacer gasket, for a total glass panel thickness of 1/2" all glass annealed except door glass panels which are tempered in accordance with building codes. Glass panels are attached using 1/16" polyethylene glazing tape and held in place at specified 25% compression with mechanically fastened muntins

   c) Doors are attached using #8X3" wood screws

3) Engineering analysis

   a) Design loads from Table R301.2(2) adjusted for height and exposure per Table R301.2(3) (Design wind speed = 100 mph, Exposure = B, Mean Roof Height = 30 ft, Coefficient = 1.00)

Wall Zone	Effective Wind Area (Ft2)	110 mph	110 mph
4	10	21.8	-23.6
4	20	20.8	-22.6
4	50	19.5	-21.3
4	100	18.5	-20.4
5	10	21.8	-29.1
5	20	20.8	-27.2
5	50	19.5	-24.6
5	100	18.5	-22.6

b) Doors

i) Worst case wind pressure = -27.3 psf for 20 ft2 door in Zone 5.

ii) Worst case door structural element is the latch side stile which is simply supported from a latch mechanism to be installed by owner which latches at top and bottom of the style. Due to the thin section of the stile deflection controls. Assume: 8' door height, latch at top and bottom of door, 2.0" x 5.0" stile, teak wood.

iii) Max deflection = WL^3 / 76.8EI = 27.3 psf * 8' * 1.5' * 96" ^ 3 / 76.8 * 1700000 psi * (5" * 2" ^ 3 / 12) = 0.666" = L/144 is greater than code limits of L/180 for a window but the deflection specified for a door is that after 10 seconds of testing at 1.5 times design wind pressure there will be "no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable." Based on experience I would expect a wood door to have no permanent deflection after 10 seconds at deflection of 1.5 x L/144 = L/96.

iv) Attach door jambs to wall studs with #8 x 3" wood screws at 12"OC max. (123 lb per screw / (1.5 x 27.3 psf x 3') = 1.0')

c) Windows

i) Worst case wind pressure = -28 psf for 15 ft2 window in Zone 5.

ii) Window glass as described above meets FBC2004 structural requirements for 30 psf design pressure as shown in the ASTM E1300 calculation for the largest pane, attached.

iii) Worst case door structural element is the latch side or hinge side stile which is simply supported from a latch or hinge mechanism to be installed by owner with a maximum spacing between latches of 42". Due to the thin section of the stile deflection controls. Assume: 8' door height, latch at top and bottom of door, 2.0" x 2.5" stile, teak wood.

iv) Max deflection = WL^3 / 76.8EI = 28 psf * 3.5' * 1.5' * 42" ^ 3 / 76.8 * 1700000 psi * (2.5" * 2" ^ 3 / 12) = 0.05" = L/840 is less deflection than code limits of L/180

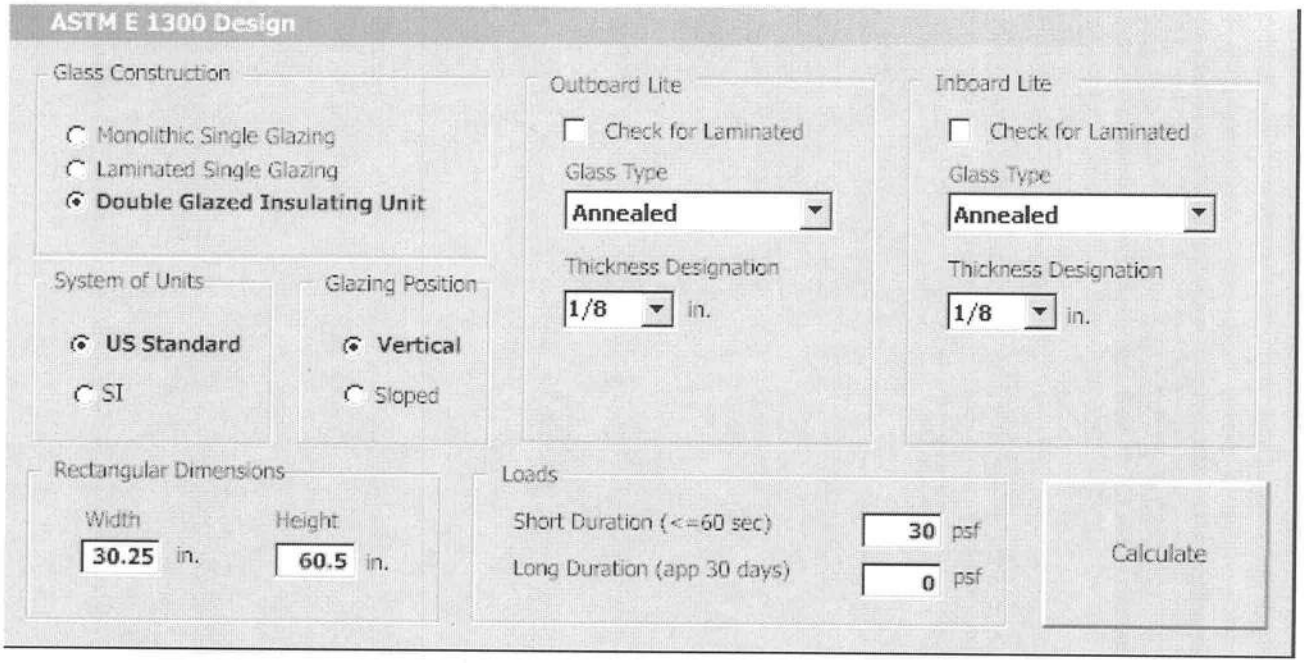
v) Attach window jambs to wall studs with #8 x 3" wood screws at 12"OC max. (123 lb per screw / (1.5 x 27.3 psf x 3') = 1.0')

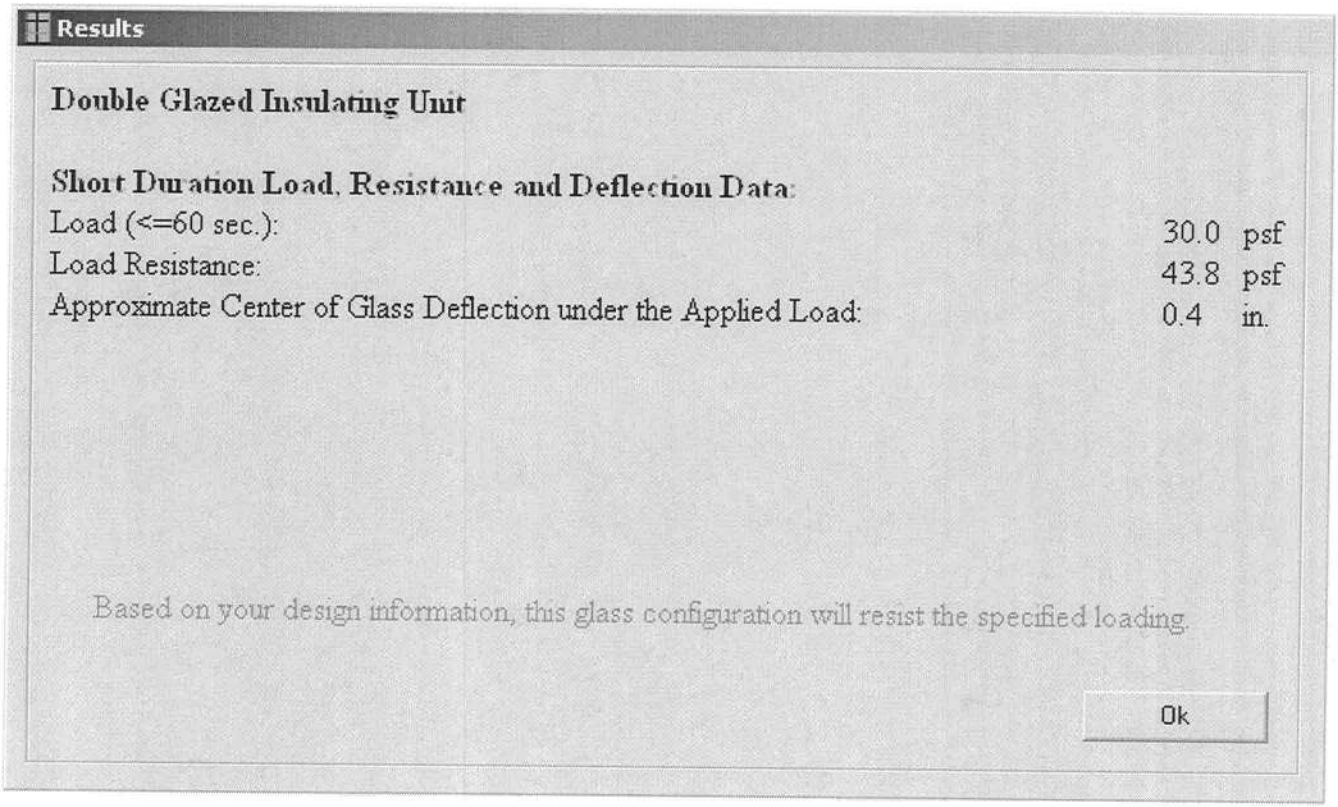
Please accept this letter as documentation that the custom one of a kind windows and doors used in this house meet the structural requirements of FBC2004 based on accepted engineering practices.

Sincerely,

30 MAY 06

Mark Disosway, PE


ASTM E 1300 Design
Glass Construction
Monolithic Single Glazing
Laminated Single Glazing
Double Glazed Insulating Unit
Outboard Lite
Check for Laminated
Glass Type
Annealed
Thickness Designation
1/8
in.
Inboard Lite
Check for Laminated
Glass Type
Annealed
Thickness Designation
1/8
in.
System of Units
US Standard
SI
Glazing Position
Vertical
Sloped
Rectangular Dimensions
Width
30.25
in.
Height
60.5
in.
Loads
Short Duration (<=60 sec)
30
psf
Long Duration (app 30 days)
0
psf
Calculate


Results
Double Glazed Insulating Unit
Short Duration Load, Resistance and Deflection Data:
Load (<=60 sec.): 30.0 psf
Load Resistance: 43.8 psf
Approximate Center of Glass Deflection under the Applied Load: 0.4 in.
Based on your design information, this glass configuration will resist the specified loading.
Ok

SECTION R613

EXTERIOR WINDOWS AND DOOR ASSEMBLIES

R613.1 General.

This section prescribes performance and construction requirements for exterior window systems installed in wall systems. Waterproofing, sealing and flashing systems are not included in the scope of this section.

R613.2 Performance.

Exterior windows and doors shall be designed to resist the design wind loads specified in Table R301.2(2) adjusted for height and exposure per Table R301.2(3).

R613.3 Exterior windows, sliding and patio glass doors.

R613.3.1 Testing and Labeling.

Exterior windows and glass doors shall be tested by an approved independent testing laboratory, and shall be labeled with an approved label identifying the manufacturer, performance characteristics and approved product certification agency, testing laboratory, evaluation entity or Miami-Dade notice of acceptance to indicate compliance with the requirements of one of the following specifications:

ANSI/AAMA/NWWDA 101/I.S. 2-97 or 101/I.S. 2/NAFS or TAS 202 (HVHZ shall comply with TAS 202 utilizing ASTM E 1300-98 or ASTM E 1300-02).

Glass Strength: Determination of load resistance of glass for specified loads of products tested and certified in accordance with s. R613.3.1 shall be designed to comply with ASTM E 1300.

R613.4 Exterior door assemblies.

Exterior door assemblies not covered by R613.3 or R613.4.1 shall be tested for structural integrity in accordance with ASTM E 330 Procedure A at a load of 1.5 times the required design pressure load. The load shall be sustained for 10 seconds with no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. HVHZ shall comply with TAS 202. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable.

The minimum test sizes and minimum design pressures shall be as indicated in Table R613.4

The unit size tested shall qualify all units smaller in width and/or height of the same operation type and be limited to cases where frame, panels and structural members maintain the same profile as tested.

R308.5 Site built windows.

Site built windows shall comply with Section 2404 of the Florida Building Code, Building.

2404.1 Vertical glass.

Glass sloped 15 degrees (0.26 rad) or less from vertical in windows, curtain and window walls, doors and other exterior applications shall be designed to resist the wind loads for components and cladding. The load resistance of glass under uniform load shall be determined in accordance with ASTM E 1300. Design of exterior windows and glass doors in accordance with Section 2404.1 shall utilize the same edition of ASTM E 1300 used for testing in accordance with Section 1714.5. The design of vertical glazing shall be based on the following equation:

Fgw £ Fga (Equation 24-1)

where:

Fgw is the wind load on the glass computed in accordance with Section 1609 and Fga is the short duration load resistance of the glass as determined in accordance with ASTM E 1300.

553.842 Product evaluation and approval.--

(1) The commission shall adopt rules under ss. 120.536(1) and 120.54 to develop and implement a product evaluation and approval system that applies statewide to operate in coordination with the Florida Building Code. The commission may enter into contracts to provide for administration of the product evaluation and approval system. The product evaluation and approval system shall provide:

(a) Appropriate promotion of innovation and new technologies.

(b) Processing submittals of products from manufacturers in a timely manner.

(c) Independent, third-party qualified and accredited testing and laboratory facilities, product evaluation entities, quality assurance agencies, certification agencies, and validation entities.

(d) An easily accessible product acceptance list to entities subject to the Florida Building Code.

(e) Development of stringent but reasonable testing criteria based upon existing consensus standards, when available, for products.

(f) Long-term approvals, where feasible. State and local approvals will be valid until the requirements of the code on which the approval is based change, the product changes in a manner affecting its performance as required by the code, or the approval is revoked.

(g) Criteria for revocation of a product approval.

(h) Cost-effectiveness.

(2) The product evaluation and approval system shall rely on national and international consensus standards, whenever adopted by the Florida Building Code, for demonstrating compliance with code standards. Other standards which meet or exceed established state requirements shall also be considered.

(3) Products or methods or systems of construction that require approval under s. 553.77, that have standardized testing or comparative or rational analysis methods established by the code, and that are certified by an approved product evaluation entity, testing laboratory, or certification agency as complying with the standards specified by the code shall be approved for statewide use. Products required to be approved for statewide use shall be approved by one of the methods established in 1subsection (6) without further evaluation.

(4) Products or methods or systems of construction requiring approval under s. 553.77 must be approved by one of the methods established in 2subsection (5) or 1subsection (6) before their use in construction in this state. Products may be approved by the commission for statewide use. Notwithstanding a local government's authority to amend the Florida Building Code as provided in this act, statewide approval shall preclude local jurisdictions from requiring further testing, evaluation, or submission of other evidence as a condition of using the product so long as the product is being used consistent with the conditions of its approval.

(5) Statewide approval of products, methods, or systems of construction may be achieved by one of the following methods. One of these methods must be used by the commission to approve the following categories of products: panel walls, exterior doors, roofing, skylights, windows, shutters, and structural components as established by the commission by rule.

(a) Products for which the code establishes standardized testing or comparative or rational analysis methods shall be approved by submittal and validation of one of the following reports or listings indicating that the product or method or system of construction was evaluated to be in compliance with the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code:

1. A certification mark or listing of an approved certification agency;

2. A test report from an approved testing laboratory;

3. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity; or

4. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state.

A product evaluation report or a certification mark or listing of an approved certification agency which demonstrates that the product or method or system of construction complies with the Florida Building Code for the purpose intended shall be equivalent to a test report and test procedure as referenced in the Florida Building Code.

(b) Products, methods, or systems of construction for which there are no specific standardized testing or comparative or rational analysis methods established in the code may be approved by submittal and validation of one of the following:

1. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity indicating that the product or method or system of construction was evaluated to be in compliance with the intent of the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code; or

2. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state, who certifies that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code.

(6) The commission shall ensure that product manufacturers that obtain statewide product approval operate quality assurance programs for all approved products. The commission shall adopt by rule criteria for operation of the quality assurance programs.

(7) For state approvals, validation shall be performed by validation entities approved by the commission. The commission shall adopt by rule criteria for approval of validation entities, which shall be third-party entities independent of the product's manufacturer and which shall certify to the commission the product's compliance with the code.

(8) The commission may adopt rules to approve the following types of entities that produce information on which product approvals are based. All of the following entities, including engineers and architects, must comply with a nationally recognized standard demonstrating independence or no conflict of interest:

(a) Evaluation entities that meet the criteria for approval adopted by the commission by rule. The commission shall specifically approve the National Evaluation Service, the International Conference of Building Officials Evaluation Services, the International Code Council Evaluation Services, the Building Officials and Code Administrators International Evaluation Services, the Southern Building Code Congress International Evaluation Services, and the Miami-Dade County Building Code Compliance Office Product Control. Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).

(b) Testing laboratories accredited by national organizations, such as A2LA and the National Voluntary Laboratory Accreditation Program, laboratories accredited by evaluation entities approved under paragraph (a), and laboratories that comply with other guidelines for testing laboratories selected by the commission and adopted by rule.

(c) Quality assurance entities approved by evaluation entities approved under paragraph (a) and by certification agencies approved under paragraph (d) and other quality assurance entities that comply with guidelines selected by the commission and adopted by rule.

(d) Certification agencies accredited by nationally recognized accreditors and other certification agencies that comply with guidelines selected by the commission and adopted by rule.

(e) Validation entities that comply with accreditation standards established by the commission by rule.

(9) A building official may deny the local application of a product or method or system of construction which has received statewide approval, based upon a written report signed by the official that concludes the product application is inconsistent with the statewide approval and that states the reasons the application is inconsistent. Such denial is subject to the provisions of s. 553.77 governing appeal of the building official's interpretation of the code.

(10) Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use.

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-9021

08 NOVEMBER 2005

JOE HALTIWANGER, PLANS REVIEW
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: HUBER RESIDENCE
PLAN REVIEW Nr.: 0510-71

DEAR SIR:

WITH REGARD TO THE PLAN REVIEW NOTES YOU HAVE PROVIDED, THE FOLLOWING CLARIFICATIONS AND CORRECTIONS ARE PROVIDED. ITEM NUMBERS MATCH YOUR COMMENTS.

1. SEE ATTACHMENT.

2. SEE ATTACHMENT.

3. EGRESS FROM SLEEPING AREAS IS PROVIDED VIA DOORS TO THE OUTSIDE AND CASEMENT WINDOWS OF AT LEAST 26/40 SIZE WHICH WILL PROVIDE AN OPENING AREA GREATER THAN 5.7 SQFT. WITH A MINIMUM HEIGHT GREATER THAN 24" AND A MINIMUM WIDTH GREATER THAN 20".

4. GLASS AT TUBS AND SHOWERS IS MARKED WITH A SMALL CIRCLE, ENCLOSING A LETTER "T". THE INTENDED NOTATION IS TO REQUIRE TEMPERED GLASS AT SUCH LOCATIONS.

5. PLEASE REVIEW THE DETAIL OF THE STAIRS ON SHEET 6 OF 13.

6. SEE ATTACHMENT.

7. SEE ATTACHMENT.

8. FOUNDATION MODIFICATIONS ARE PENDING ENGINEERED FLOOR AND ROOF TRUSS SHOP DRAWINGS. FOLLOWING RECEIPT OF SAME, I WILL UPDATE THE FOUNDATION PLAN AS REQUIRED.

9. SEE ATTACHMENT.

10. SEE ATTACHMENT.

11. DESIGN LOADS FOR THE 2nd FLOOR SYSTEM SHALL BE A MINIMUM OF 30 PSF LL, 17 PSF DL.

12. SEE ATTACHMENT.

13. SEE ATTACHMENT.

14. REFER TO MANUFACTURERS SPECIFICATIONS, PROVIDED BY OTHERS.

15. SEE ATTACHMENT.

16. SEE ATTACHMENT.

17. PROVIDED BY OTHERS.

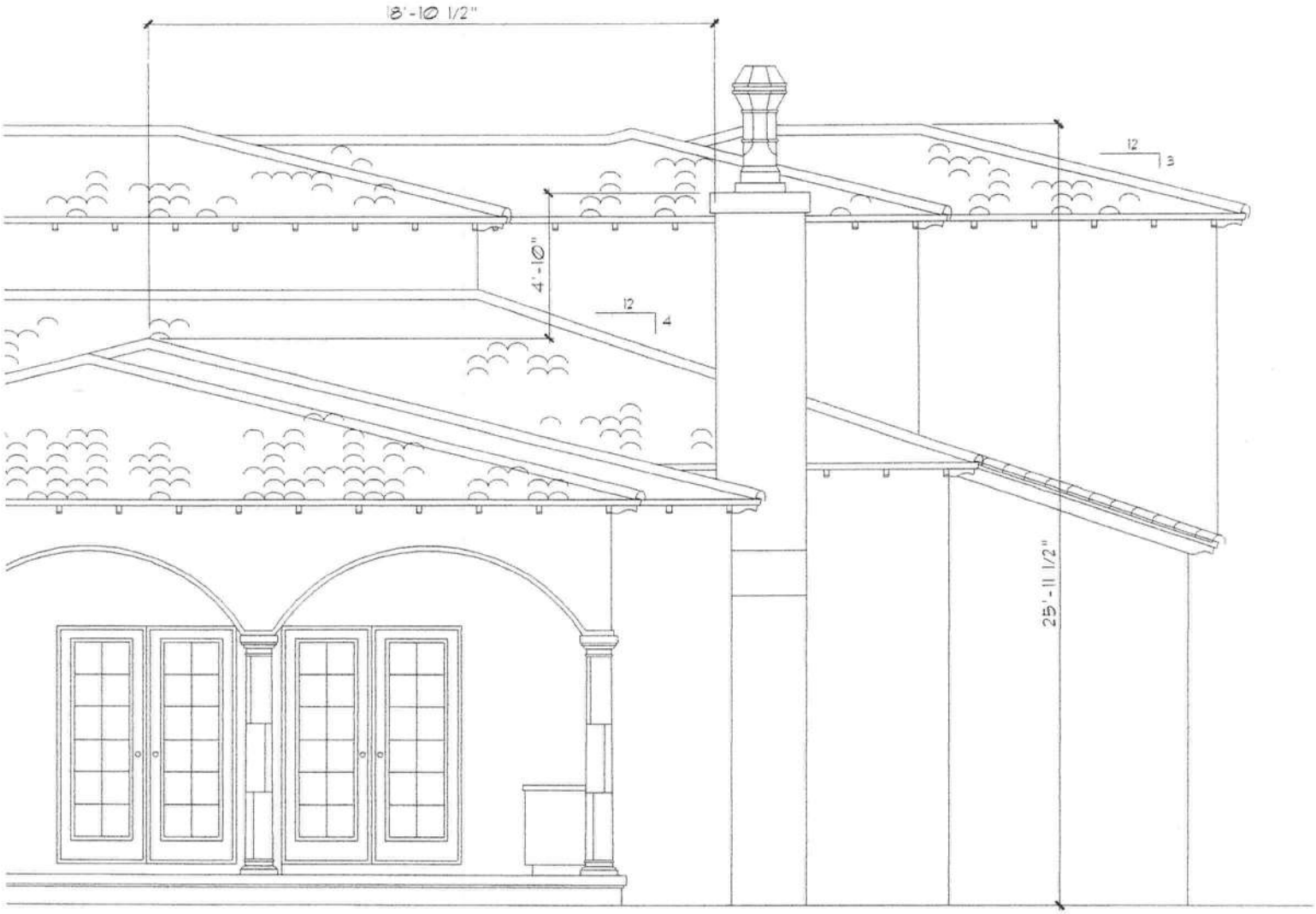
18. SEE ATTACHMENT.

19. AN EXTRA BLOCK APPEARED ON THE PLANS AND WAS NOT INTENDED TO BE PART OF THE FINAL DRAWINGS. THE EXTRA AHU INDICATED IN THE 2nd FLOOR CLOSET SHALL BE REMOVED.

20. PROVIDED BY OTHERS.

FOLLOWING REVIEW OF THE VARIOUS ATTACHMENTS, SHOULD YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005



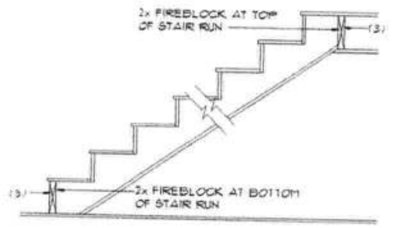
Items 1 & 2

ARTOUT
08 NOV 2K5

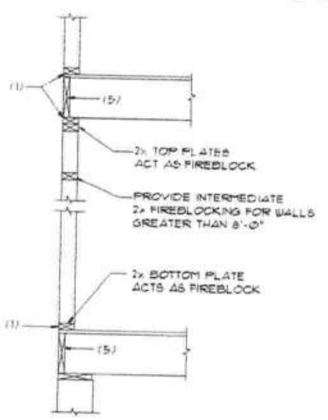
FIREBLOCKING NOTES:

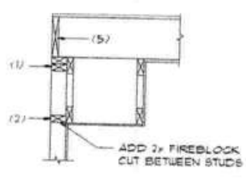
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



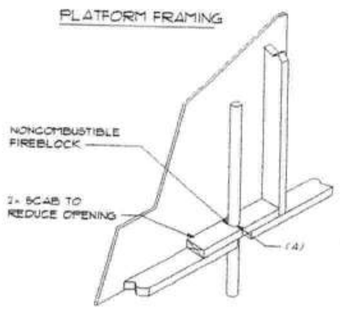
BETWEEN STAIR STRINGERS

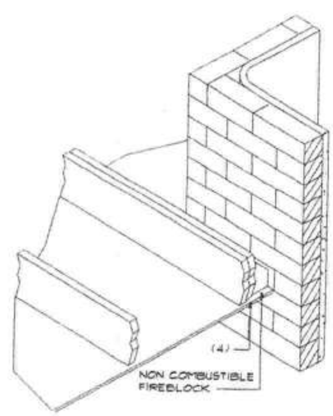




SOFFIT/DROPPED CLG.

PLATFORM FRAMING





PENETRATIONS

FIREPLACE/CHIMNEY

Fire Stopping DETAILS

SCALE: NONE

NOTE

ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

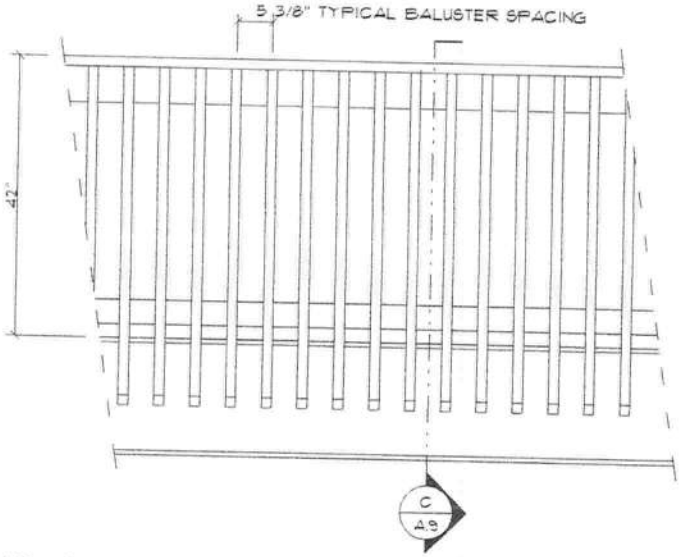
Items 6 & 16

AR2005 08NOV2K5

GENERAL NOTES:

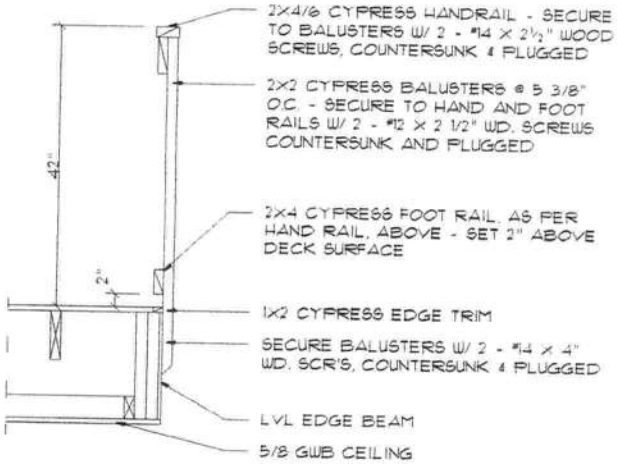
1. ALL LUMBER SHALL BE SOUTHERN BALD CYPRESS (RED OR YELLOW), GRADE 2 OR BETTER.
2. FASTENERS SHALL BE AS FOLLOWS:
   - 12d GALVANIZED FINISH NAILS
   - #14 X 4" GALV. WOOD SCREWS
   - #14 X 2 1/2" GALV. WOOD SCREWS

   REFER TO DETAILS FOR APPLICATION.
3. ALL WOOD SHALL BE SMOOTH SANDED READY FOR APPLIED FINISH, AS DIRECTED BY THE OWNER.
4. ALL CUTS SHALL BE MADE PLUMB AND SQUARE.
5. FINISH NAILS SHALL BE SET BELOW SURFACE OF ATTACHED MEMBER.
6. ALL SCREW HEADS SHALL BE COUNTERSUNK AND PLUGGED, FLUSH WITH SURROUNDING WOOD SURFACE.
7. JOB CONDITIONS AS ENCOUNTERED SHALL BE TREATED PER THESE TYPICAL DETAILS - RAILINGS SHALL BE A MINIMUM OF 42" ABOVE WALKING SURFACE AND ALL OPENINGS SHALL BE LIMITED TO REJECT A 4"ø BALL.



Balcony Railing ELEV. (B)

SCALE: 3/4" = 1'-0"

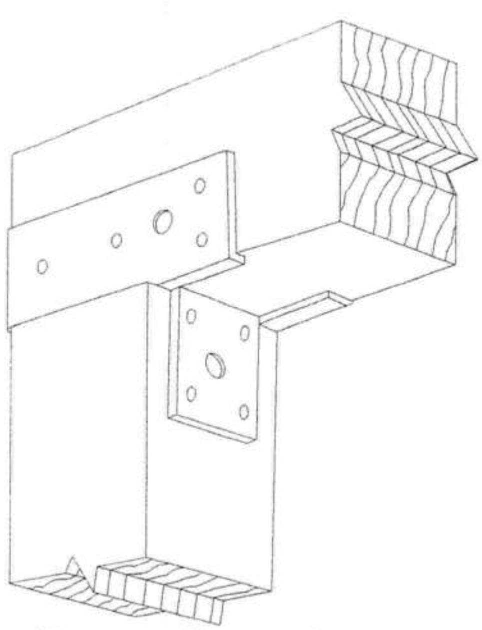


Balcony Railing SEC. (C)

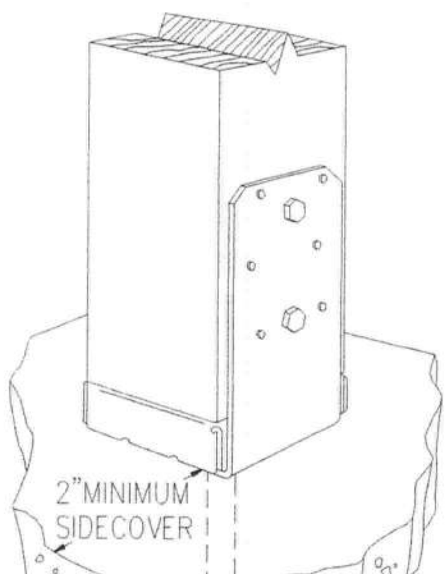
SCALE: 3/4" = 1'-0"

Item 7

MR 7005
08 NOV 2K5

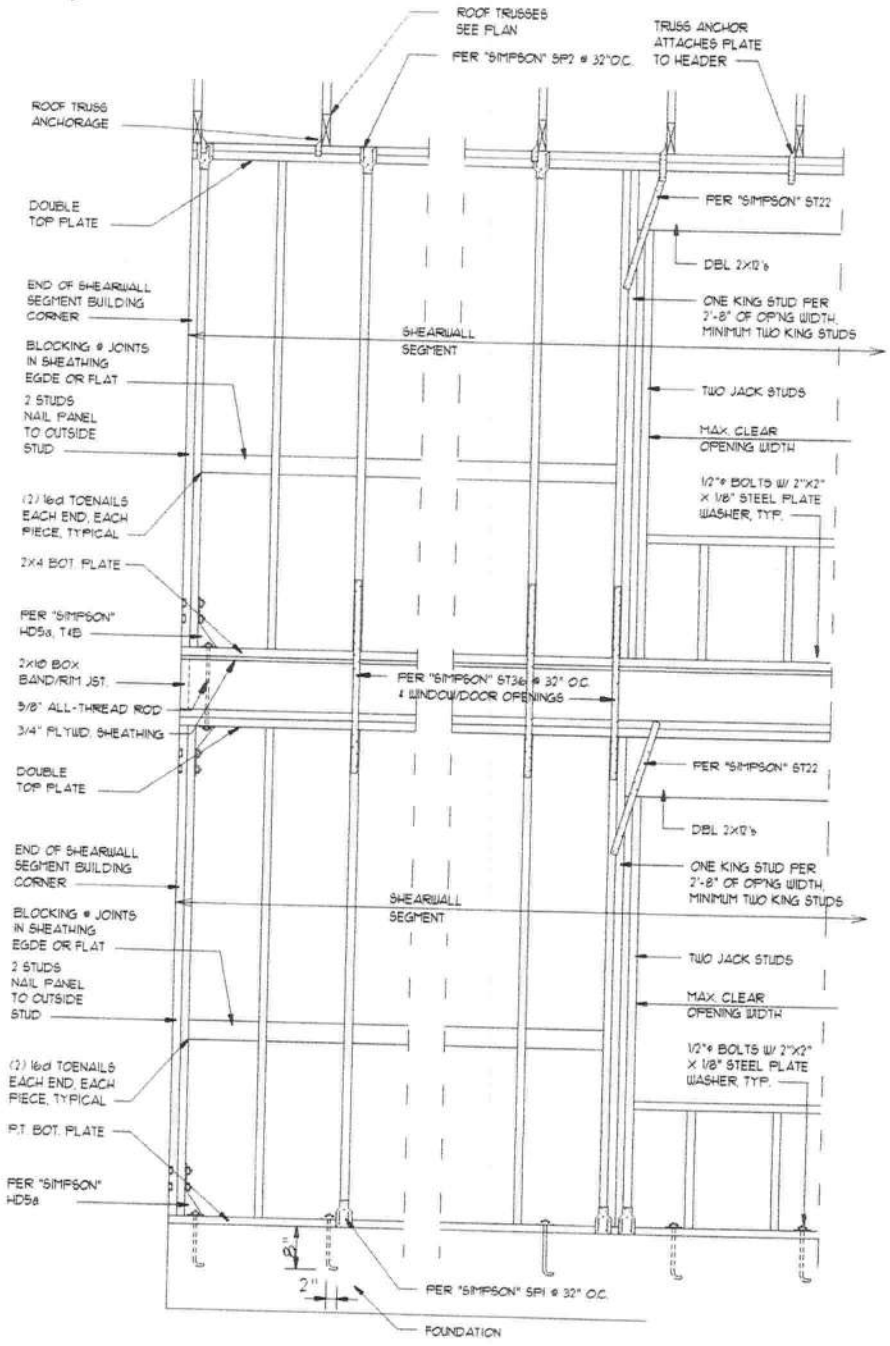


Simpson Strong-Tie
EPC66 – PC66 SIMILAR



Simpson Strong-Tie
ABU66

Item 9



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBC! 3Ø5.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " OSB, INCLUDING AREAS ABOVE AND BELOW OPENINGS
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-Ø" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-Ø"	(1) 2x4 OR (1) 2x6	1
fE 6' TO 9'-Ø"	(3) 2x4 OR (1) 2x6	2
fE 9' TO 12'-Ø"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

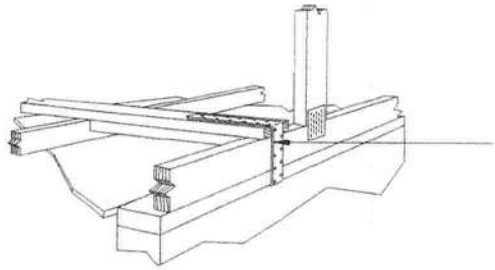
SCALE: NONE

D

CONSTRUCT EXTERIOR WALLS W/ 2 TOP PLATES & 1 SILL PLATE, 2X4 STUDS @ 16" O.C., & "SIMPSON" SP2/SP1 STUD/PLATE CONNECTORS @ 32" O.C. - SHEATH WALL W/ 7/16" OSB, APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS

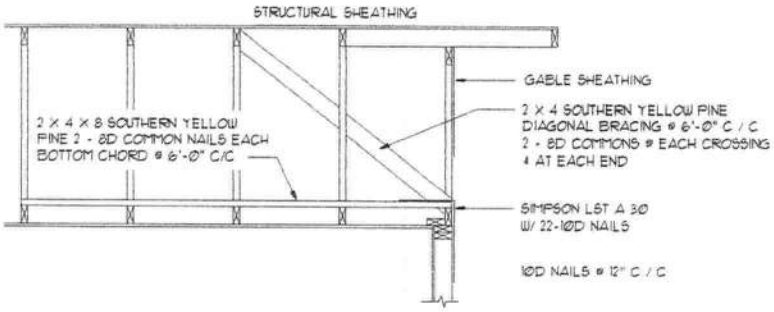
Items 10 & 13

METOOS & NOVICKS



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

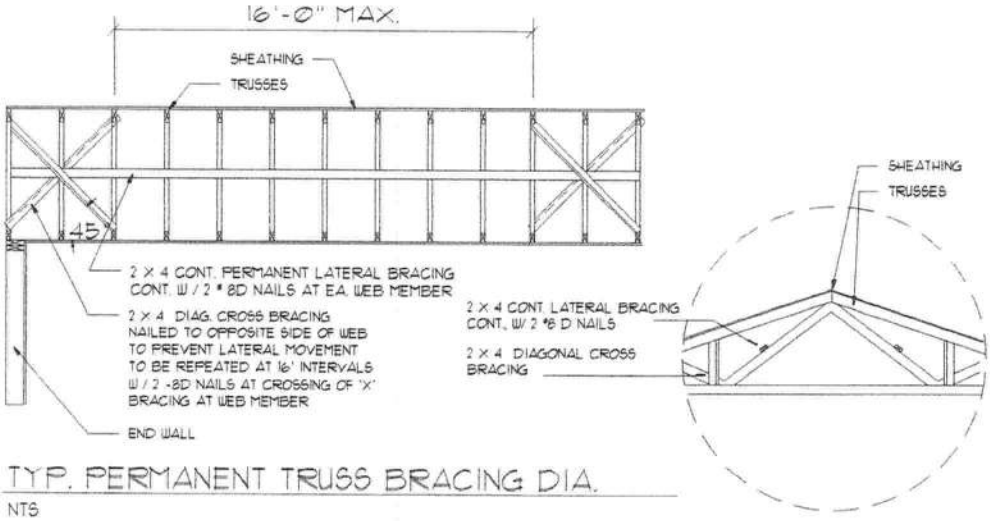
SCALE: NONE



END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE



TYP. PERMANENT TRUSS BRACING DIA.

NTS

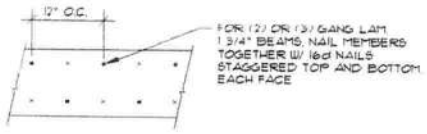
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

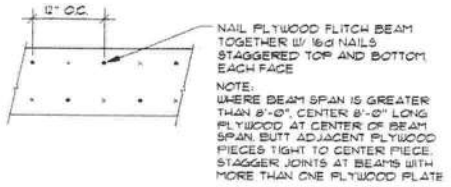
Item 12

AR7005
08 NOV 2K5



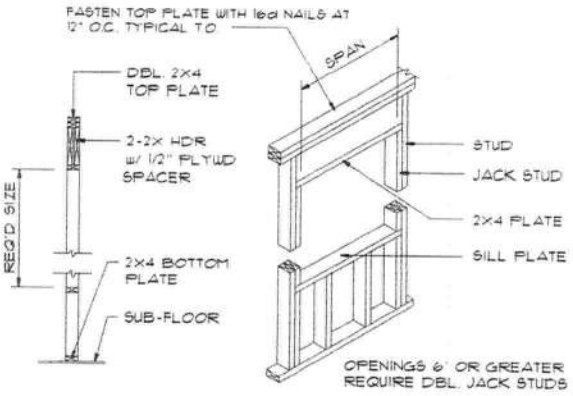
MULTIPLE GANG LAM. DETAIL

NOT TO SCALE

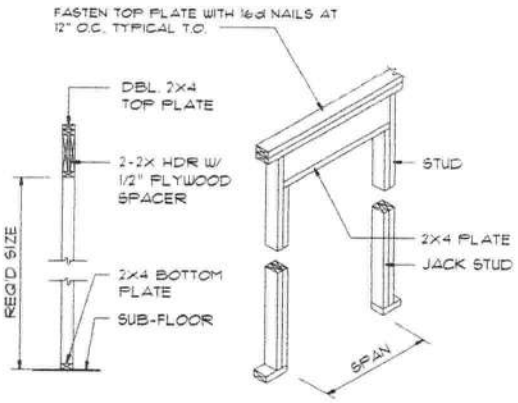


PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE



TYPICAL WINDOW HEADER



BEARING WALL HEADER

HEADER SPANS FOR EXTERIOR BEARING WALLS

HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1

Bearing Wall Header DETAILS

SCALE: NONE

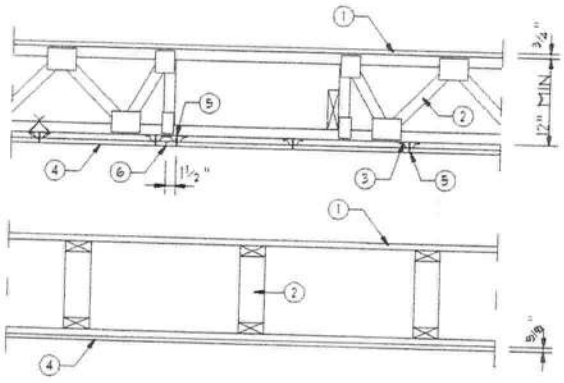
NOTE ! FOR ALL SPAN CONDITIONS NOT LISTED ABOVE USE THE FOLLOWING BUILT-UP L.V.L BEAM ASSEMBLY

2 - 1 3/4" X 11 7/8" 2.0E MICRO=LAM L.V.L BEAM, EXTEND TOP PLY OF WALL PLATE FULL LENGTH, LAP MIN. 32" TO ADJOINING WALL, ASSEMBLE W/ 16d NAILS @ 12" O.C., STAGGERED TOP & BOTTOM OF BEAM, EACH SIDE

Item 15

Design No. L528

Unrestrained Assembly Rating-1 Hr.
Finish Rating-22 Min.



1. Flooring Systems - Finish Flooring - 4 ft by 8 ft by 23/32 in. thick interior plywood with exterior glue and T & G edge detail along 8 ft sides. Plywood installed perpendicular to trusses with end joints staggered 4 ft. Plywood secured to trusses with construction adhesive and No. 6d ringed shank nails Adhesive applied as 3/8 in. diam bead to top chord of trusses and groove edges of plywood. Nails spaced 12 in. O.C. along each truss. As an option, lightweight insulating concrete with Perlite or Vermiculite Aggregate or gypsum concrete may be placed on the flooring. The min thickness of insulating concrete shall be 3/4 in. The max thickness shall be determined by job site conditions. A thin plastic or paper vapor retarder may be placed on plywood prior to pouring the concrete. See Perlite Aggregate (IFFX) and Vermiculite Aggregate (CJZZ).

2. Trusses - Parallel chord trusses spaced a max 24 in. O.C. fabricated from nom 2 by 4 in. lumber with lumber orientated either vertically or horizontally. Truss members secured together with No. 20 MSG galv steel truss plates. Plates include 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other made from the same punch creating a split tooth type plate. Each tooth has a chisel point on its outside edge, with these points being diagonally opposite from each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx 7/8 in. centers with four rows of teeth per in. of plate width.

3. Furring Channels - Formed of No. 25 MSG galv steel spaced 24 in. O.C. perpendicular to trusses. Channels secured to trusses with double strand of No. 18 SWG galv steel wire spaced 48 in. O.C. Channels spliced with adjacent pieces overlapped 6 in. and tied with double strand of No. 18 SWG galv steel wire at each end of overlap.

3A. Resilient Channel - (Not shown) - As an alternate to Item 3 - Formed from No. 26 MSG galv steel, spaced 16 in. O.C. perpendicular to trusses. Channels secured to trusses with Type S, 1-1/4 in. long steel screws spaced 24 in. O.C. Channels overlapped at splice 4 in.

4. Wallboard, Gypsum* - 5/8 in. thick, 4 ft wide Sheets of wallboard installed with long dimension perpendicular to furring or resilient channels with 1 in. long wallboard screws spaced 12 in. O.C. and located a min 1-1/2 in. from side and end joints. At end joints, two furring or resilient channels are used which extend a min of 6 in. beyond end of joint.
   - Canadian Gypsum Co., Ltd.-Type C.
   - Celotex Corp.-Type FRP.
   - Domtar Gypsum-Type 5
   - Georgia-Pacific Corp., Gypsum Div.-Type GPFS-C.
   - Gold Bond Building Products-Type FSW-G.
   - United States Gypsum Co.-Types C, FCC, or IP-X2.

5 Screw, Wallboard - 1 in long, Type S, 9/64 in. diam, self-drilling and self-tapping. Bugle head.

6. Finishing System - (Not shown) - Paper tape embedded in cementitious compound over joints with edges of compound feathered out and exposed screw heads covered with compound. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard.

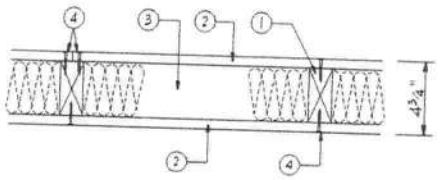
*Bearing the UL Classification Marking

NOTE !
PROVIDE A FIRE RESISTIVE WALLS AROUND THE GARAGE AREA EQUAL TO UL Des. U333 - 1 HOUR

NOTE !
PROVIDE A FIRE RESISTIVE FLOOR/CEILING OVER THE GARAGE AREA EQUAL TO UL Des. L528 - 1 HOUR

Design No. U333

Bearing Wall Rating-1 Hr.
Finish Rating-23 Min.



1 Wood Studs-Nom 2 by 4 in., spaced 16 in. O.C. effectively cross-braced.

2. Gypsum Wallboard*-5/8 in. thick, 4 ft wide, applied either vertically or horizontally, screw attached to studs and plates with 1 1/4 in. long Type W steel screws, spaced 12 in. O.C.

   - Canadian Gypsum Co. Ltd-Type C.
   - Georgia-Pacific Corp., Gypsum Div.-Type GPFS-C.
   - United States Gypsum Co.-Type C or IP-X2.

3. Batts and Blankets*-(Optional)-Mineral wool insulation, partially or completely filling stud cavity.

   - USG Interiors Inc.
   - United States Gypsum Co.

4. Joints and Nailheads-Wallboard joints covered with paper tape and joint compound. Screwheads covered with joint compound.

*Bearing the UL Classification Marking

Item 18

MR 7005
08 NOV 2005

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: 0510-71

ISAAC Construction Owner Abramand Huber 225 SW. Finley Little Lane

On the date of October 27, 2005 application 0510-71 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0510-71 when making reference to this application.

1. On the elevation plans please show total height of the dwelling from finished grade.

2. On the elevation plans please show total height of the chimney above the roof line peak and also show the distance of the chimney flue from the nearest horizontal roof line.

3. Please show on the floor plans compliance with sections R310.1 of the FRC 2004 emergency escape and rescue requirements: R310.1.1 Minimum opening area. All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2).

Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2).

R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm).

R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

R310.1.4 Operational constraints. Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.

R310.2 Window wells. The minimum horizontal area of the window well shall be 9 square feet (0.84 m2), with a minimum horizontal projection and width of 36 inches (914 mm). The area of the window well shall allow the emergency escape and rescue opening to be fully opened.

4. On the first and second story windows in the shower exterior walls show compliance with sections R308.4 of the FRC 2004 hazardous location.

5. Please provide a detail drawing to show compliance with section R311.5 and R311.6 Ramps. of the FRC 2004 Stairways: In occupancies in Group R-3, as applicable in Section 101.2, within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be 7.75 inches (197 mm) and the minimum tread depth, exclusive of nosing, shall be not less than 10 9 inches (254 mm), the minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread dept is less than 11 inches (279 mm). Treads and risers of stairs shall be permitted to be so proportioned that the sum of two risers and a tread, exclusive of projection of nosing, is not less than 24 inches or

more than 25 inches. Every tread less than 10 inches wide shall have a nosing, or effective projection, of approximately 1 inch over the level immediately below that tread.

6. Show the method of fireblocking for under the stairwell as required by sections R311.2.2 of the FRC 2004: Under stair protection: enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with ½-inch (12.7 mm) gypsum board.

7. Show compliance with sections R312.1 of the FRC 2004: Guards required on Porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height. Open sides of stairs with a total rise of more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 34 inches (864 mm) in height measured vertically from the nosing of the treads also show compliance with sections R301.5 of the FRC 2004 Live load. Guardrails and handrails minimum uniformly distributed live loads of 200(in pounds per square foot) and Guardrails in-fill components of minimum uniformly distributed live loads of 50 (in pounds per square foot).

8. Show on the foundation plan the, supporting foundation design for interior load bearing wall which are created by the roof truss system.

9. Show the foundation supporting and attachment method for the columns in the lanai and covered patio area include the attachment method of the columns to the supporting headers and beams.

10. Provide the nailing pattern for the ½" structural sheeting on the typical exterior two story wall section.

11. Please provide the pound per square foot loading for the 16" trimjoist on 24" centers.

12. On all gable end truss please provide a design method for the gable truss and wall hinge bracing.

13. Show the design method to provide for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) for the exterior wall section in which the 16" trimjoist are supported by the exterior wall section.

14. Please submit the manufacture specification with pound per square foot dead load weight along with wind speed rating of the barrel conc. roof tiles.

15. Please submit a supporting header callout were supporting headers will extend past the span table R502.5 of the FRC 2004.

16. Please show the method of complying with section R602.8 fireblocking: Fireblocking shall be provided to cut off all concealed draft openings (both vertical and horizontal) and to form an effective fire barrier between stories, and between a top story and the roof space. Fireblocking shall be provided in wood-frame construction in the following locations.

1. In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs; as follows:

1.1. Vertically at the ceiling and floor levels.

1.2. Horizontally at intervals not exceeding 10 feet (3048 mm).

2. At all interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.

3. In concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall comply with Section R311.2.2.

4. At openings around vents, pipes, and ducts at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion.

5. For the fireblocking of chimneys and fireplaces, see Section R1001.16.

17. Please submit a manual J and energy calculations for this dwelling.

18. Show compliance with section R309 of the FRC 2004: R309.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors.

R309.1.1 Duct penetration: Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.

R309.2 Separation required.

The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.

19. Show compliance with sections M1305 of the FMC 2004 as the code it relates to HVAC equipment for the dwelling.

20. Please submit a recorded notice of commencement with this department prior to requesting any inspections on this dwelling.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Thank you.

Joe Hattaway
Plan Examiner
Columbia County Building Department

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 01-5S-16-03387-012 **Building permit No.** 000023867

Use Classification SFD/UTILITY **Fire:** 44.64

Permit Holder ISAAC BRATKOVICH **Waste:** 134.00

Owner of Building ABRAM & ANGELA HUBER **Total:** 178.64

Location: 225 SW FINLEY LITTLE LANE, LAKE CITY, FL

Date: 02/23/2007

Harry Dicks by G
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)